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DEPARTMENT OF THE ARMY TECHNICAL MANUAL
TM 9-2800

This Manual Supersedes TM 9-2800, 1 September 1943, and TB 9-2800-1, 26 February 1945.

& V. HKGS

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VEHICLES



DEPARTMENT OF THE ARMY • OCTOBER 1947

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TM 9 2800, Military Vehicles, is published for the information and guidance of all concerned.

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BY ORDER OF THE SECRETARY OF THE ARMY

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For explanation of distribution formula, see TM 38 405.

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RESTRICTED

This manual supersedes TM 9-2800, 1 September 1943, and TB 9-2800-1, 26 February 1945.

Section I. Introduction

1. SCOPE

a. This manual is published for the information and guidance of all concerned. It contains illustrations of and pertinent data for military vehicles used or maintained by the Army. The data includes classification, purpose, characteristics, and performance of each vehicle. Data and illustrations have been obtained from the most reliable sources available at time of publication. These sources include the manufacturers of the vehicle and the services which use them. For more detailed information, refer to the technical manuals listed for each vehicle.

b. Each section of this manual contains one class of vehicles. Within each section the vehicles are arranged according to weight. When two or more different vehicles have identical weights, further arrangement is made according to other distinctive characteristics, such as size of armament or number of wheels.

c. Material which has been declared obsolete since publication of the superseded edition, 1 September 1943, has not been included in the revision.

d. The appendix contains a list of references to other useful publications, and an alphabetical index of all vehicles contained in the manual.

2. EXPLANATION OF TERMINOLOGY

a. *Technical Data.* (1) *Wheels.* Where such data as "6 x 4" and "4 x 4" appears in vehicular nomenclature, the first figure indicates total number of wheels, and the second figure indicates number of driving wheels. Dual wheels are considered as one wheel.

(2) *Net Weight.* Weight of fully equipped vehicle in operating condition with fuel, lubricants, and water, but without crew or payload.

Note. It is emphasized that weights given in this manual are for tactical use only, and are not intended as official shipping weights for use in shipment by commercial carriers, due to variations between vehicles, variations resulting from changes in stowage, etc. Official vehicular shipping weights are contained in SB-OSSC-G.

(3) *Payload.* Weight of cargo or passengers, including crew, which may be safely imposed on vehicle.

(4) *Gross Weight or Fighting Weight.* Weight of vehicle fully equipped and serviced for operation, including crew, plus maximum allowable payload of cargo or passengers.

(5) *Shipping Dimensions.* Minimum dimensions to which a completely assembled vehicle may be reduced by lowering cab top or windshield, removing body bows, gun mounts, etc.

(6) *Ground Clearance.* Minimum clearance under lowest point of chassis.

(7) *Brake Dimensions.* Brake band width.

(8) *Maximum Computed Gradability.* The steepest slope, measured in percent, a vehicle will traverse with transmission in lowest forward gear, and transfer case or auxiliary transmission in low range. Percent of slope is defined as the ratio between the vertical rise and the horizontal distance traveled. Examples of slopes measured in terms of degree of angle and percent of slope follow:

Degree of angle	Percent of slope
0	0
10	17.633
30	57.735
45	100

(9) *Turning Radius.* Radius of minimum circle within which vehicle can negotiate a complete turn.

(10) *Fording Depth*. Depth of water through which vehicle may be successfully operated at slowest speed.

(11) *Cruising Range*. Average distance vehicle will travel on one full tank of fuel at rated fuel consumption.

b. Classification. Vehicles are classified from the standpoint of suitability for use as follows:

(1) *Standard*. Standard vehicles are the most advanced and satisfactory that have been adopted, and are those which are preferred for procurement.

(2) *Substitute Standard*. Substitute standard vehicles are those which do not have as satisfactory military characteristics as standard vehicles, but are usable substitutes for standard vehicles and when necessary may be procured to supplement the supply of standard vehicles.

(3) *Limited Standard*. Limited standard vehicles are those which do not have as satisfactory military characteristics as stand-

ard vehicles, but are usable substitutes for standard vehicles, and are either in use or available for issue to meet supply demands. Complete vehicles will not be procured, but component parts, even though they may be limited procurement articles, may be procured if necessary to maintain these vehicles in serviceable condition throughout a reasonable life expectancy.

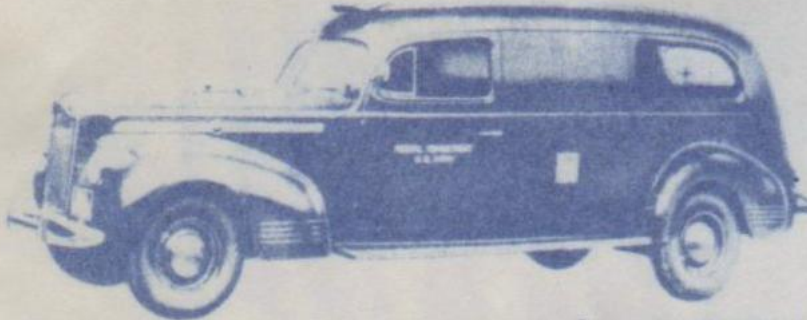
(4) *Limited Procurement*. Limited procurement vehicles are those which have passed service tests favorably but are not ready for classification as an adopted type before they have been subjected to more extended service tests. The approval as to limited procurement type signifies that the item is probably suited for service use, but requires refinement in design or further use by troops to establish complete suitability.

(5) *Unclassified*. Unclassified vehicles are those for which classification was not obtainable from the services using the vehicles.

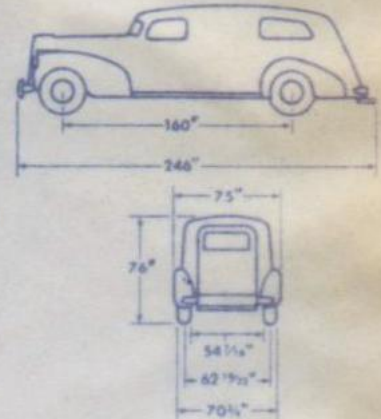
Section II. Ambulances

SGV TD

AMBULANCE, 3/4-TON, 4 x 2, METROPOLITAN



RA PD 347217



Manufacturers: Packard Motor Car Co.; Body by Henney.

Cadillac Motor Car Division (GMC); Body by Superior.

Classification: Standard.

Make of vehicle illustrated: Packard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew:	2	Passengers (including crew):	12
Weight (lb): Net—5,125	Payload—1,500	Gross—6,625	
Rear axle: Gear ratio	4.1:1		
Tires: Ply—6	Size—7.50 x 16; Pressure (lb)—Front—40; rear—40		
Tread, center to center (in.):	(front)—59 1/4		
Electrical system:	(volts)	6	
No. of batteries	1		
Capacities:			
Fuel (68 octane gasoline)	(gal)	20	
Cooling system	(qt)	17	
Crankcase (refill)	(qt)	6	
Transmission	(qt)	1	
Differential	(qt)	2 1/2	
Brakes: Manufacturer—Bendix	Type—hydraulic		
Dimensions	(in.)	2 1/4	
Transmission: Speeds	3		
(Gear ratio: High—4.1:1; Low—9.95:1)			

PERFORMANCE

Turning radius (ft):	Right—26; left—27
Fuel consumption (loaded):	(mpg) 12
Allowable speed:	(mph) 50

ENGINE

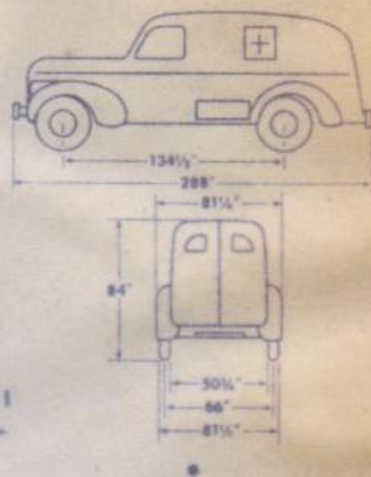
Manufacturer: Packard	Model 2001-A
Type: L-head, 4-cycle	No. of cylinders (in line) 8
Displacement:	(cu in.) 282
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 2,850
Brake horsepower:	33.8 at (rpm) 2,850
Torque:	130 ft.-lb at (rpm) 2,000

ADDITIONAL DATA

AMBULANCE, FIELD, 1½-TON, 4 x 2



RA PD 347033



Parts List: SNL G-617

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: Used by Medical Corps to transport sick and wounded personnel.

GENERAL DATA

Crew	2	Passengers (including crew)	10
Weight (lb): Net	5,485	Payload	2,400
		Gross	7,885
Rear axle: Gear ratio			6.17:1
Axle load (lb): Loaded		Front	2,355; rear—5,530
		Empty	Front—2,305; rear—3,185
Tires: Ply	6	Size	6.50 x 20
		Pressure (lb)	55
Tread, center to center (in.)		Front	59½
Shipping dimensions:		(cu ft)	1137.5; (sq ft) 162.5
Vehicle dimensions:			
Ground clearance		(in.)	8½
Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (70 octane gasoline)		(gal)	18
Cooling system		(qt)	16
Crankcase (refill)		(qt)	5
Transmission		(qt)	2¾
Differential		(qt)	5
Brakes: Manufacturer	Chevrolet		
	Type	hydraulic-hydrovac	
Dimensions (in.)		Front	2; rear—3
Transmission: Speeds			4
	(Gear ratio: High—direct; Low—7.06:1)		

PERFORMANCE

Maximum computed gradability:	(percent)	65
Turning radius (ft):	Right—25; left—26	
Fording depth:	(in.)	22
Fuel consumption (loaded):	(mpg)	8
Cruising range (loaded):	(mi)	144
Allowable speed:	(mph)	45

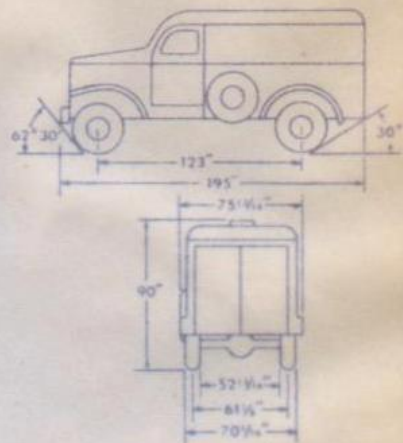
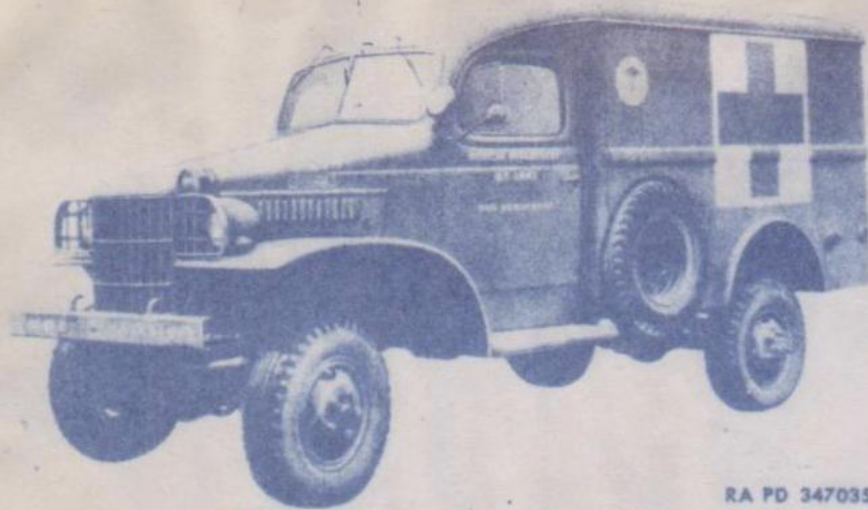
ENGINE

Manufacturer:	Chevrolet	Model	BQ 1001 up
Type:	Valve in head; 4-cycle	No. of cylinders (in line)	6
Displacement:		(cu in.)	316.5
Bore:		(in.)	3½
Stroke:		(in.)	3¼
Maximum governed speed:		(rpm)	3,100
Brake horsepower:		81.5 at (rpm)	3,100
Torque:		168 ft-lb at (rpm)	1,100

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 4, AMBULANCE

R & V - HAGS
GEREGISTREERD



Technical Manuals: 10-1123, 10-1153
10-1201, 10-1209, 10-1443
Parts List: SNL G-505

RA PD 347035

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew:	2
Passengers:	
Crew of 2 and 4 litter patients.	
Crew of 2 and 7 sitting patients.	
Weight (lb): Net—5,340	Payload—1,300 Gross—6,640
Rear axle: Gear ratio:	4.89:1
Axle load (lb): Loaded	Front—2,560; rear—4,080
Empty	Front—2,305; rear—3,035
Tires: Ply—6; Size—7.50 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—59 1/4
Shipping dimensions:	
Uncrated	(cu ft) 769.94, (sq ft) 102.66
Vehicle dimensions:	
Loading height (empty)	(in.) 34.65
Ground clearance	(in.) 9
Pintle height (in.)	Loaded 26 1/2; empty—28
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 25
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials (each)	(qt) 2 1/4
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front—2; rear—1 1/4
Transmission: Speeds	4
(Gear ratio: High 1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio: 1.00:1)	

PERFORMANCE

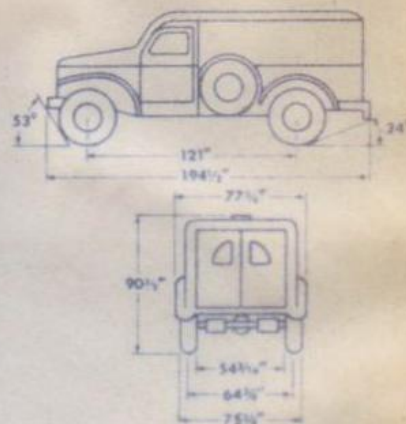
Maximum computed gradability:	(percent) 58.6
Turning radius:	Right—26' 10"; left—26' 10"
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 12
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 56
Maximum recommended towed load:	(lb) 1,000

ENGINE

Manufacturer: Dodge	Model T 215
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	92 at (rpm) 3,100
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, AMBULANCE



Technical Manuals: 9-808, 9-1885A,
9-1868B,
Parts List: SNL G-502

RA PD 347044

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited Standard

Purpose: Used by Medical Corps to transport sick and wounded personnel.

GENERAL DATA

Crew:	2
Passengers (including crew):	Crew of 2, and 4 litter patients; crew of 2, and 7 sitting patients.
Weight (lb):	Net—5,920 Payload—1,600 Gross—7,720
Rear axle: Gear ratio:	5.83:1
Axle load (lb):	Loaded Front—2,980; rear—4,740
	Empty Front—2,740; rear—3,180
Tires: Ply—8 Size—9.00 x 16; Pressure (lb)—Front—40; rear—40	
Tread (center to center):	Front (in.) 64 1/2
Shipping dimensions:	
Uncrated	(cu ft) 790.95; (sq ft) 105.02
Vehicle dimensions:	
Loading height (empty)	(in.) 30
Ground clearance	(in.) 10 1/2
Pintle height	Loaded—23 1/2; empty—27 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 30
Cooling system	(qt) 17
Crankcase	Refill (qt) 5
Transfer case	(qt) 2
Transmission (main)	(qt) 3
Differentials (each)	(qt) 2 1/2
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions	(in.) 1 1/2
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio—1.00:1)	

PERFORMANCE

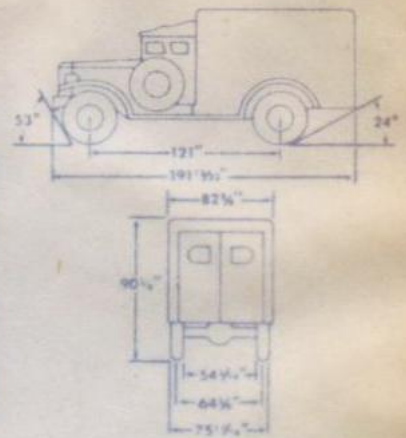
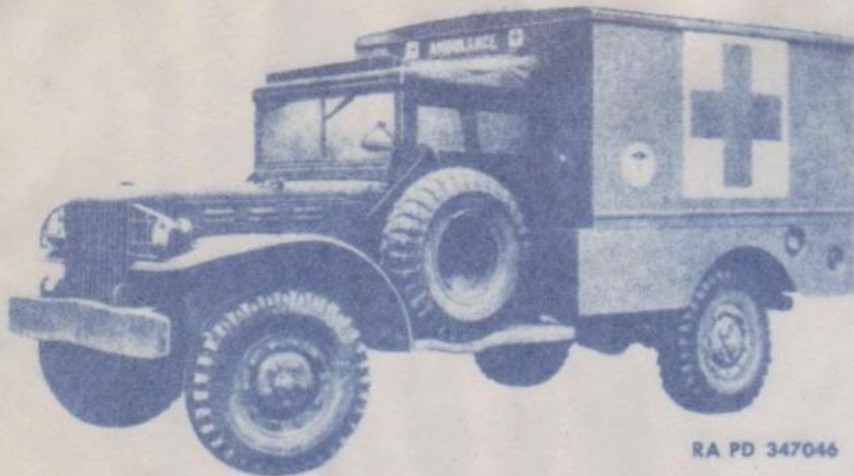
Maximum computed gradability:	(percent) 52.3
Turning radius (ft):	Right—26 1/2; left—26 1/2
Fording depth:	(in.) 34
Fuel consumption (loaded):	(mpg) 8
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 54
Maximum recommended towed load:	(lb) 1,000

ENGINE

Manufacturer: Dodge	Model T-214
Type: L-head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 3,200
Brake horsepower	92 at (rpm) 3,200
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, AMBULANCE, (K.D.)



Technical Manuals: 9-808, 9-1805A,
9-1805B, 9-1829A
Parts List: SNL G-502

RA PD 347046

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To transport sick and wounded personnel.

GENERAL DATA

Crew	2	
Passengers (including crew)	6	
Weight (lb): Net—6,880	Payload—1,500	Gross—8,380
Rear axle: Gear ratio	5.83:1	
Axle load (lb): Loaded	Front—3,258; rear—5,122	
Empty	Front—3,008; rear—3,872	
Tires: Ply—8	Size—9.00 x 16.	Pressure (lb)—Front—40; rear—40
Tread, center to center (in.):	Front—64 1/4	
Shipping dimensions:	Uncrated (cu ft) 828.3; (sq ft) 110	
Vehicle dimensions:	Ground clearance (in.) 10 1/2	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:	Fuel (72 octane gasoline) (gal) 30	
Cooling system	(qt) 17	
Crankcase (refill)	(qt) 5	
Transfer case	(qt) 2	
Transmission (main)	(qt) 3	
Differentials	(each) (qt) 2 1/2	
Brakes: Manufacturer—Dodge	Type—hydraulic	
Dimensions (each)	(in.) 1 3/4	
Transmission: Speeds	4	
(Gear ratio: High—direct; Low—6.40:1)		
Transfer case: Speeds	1	
(Gear ratio—direct)		

PERFORMANCE

Maximum computed gradability:	(percent) 52.3
Turning radius (ft):	Right—26 1/4; left—26 1/4
Fording depth:	(in.) 34

Fuel consumption (loaded):	(mpg) 8
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 54

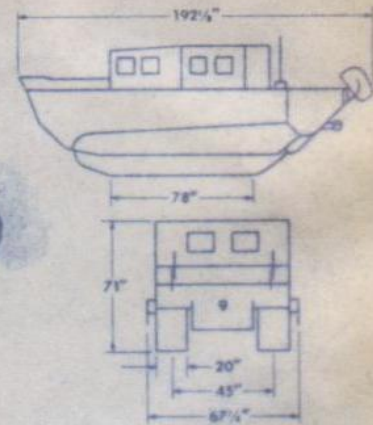
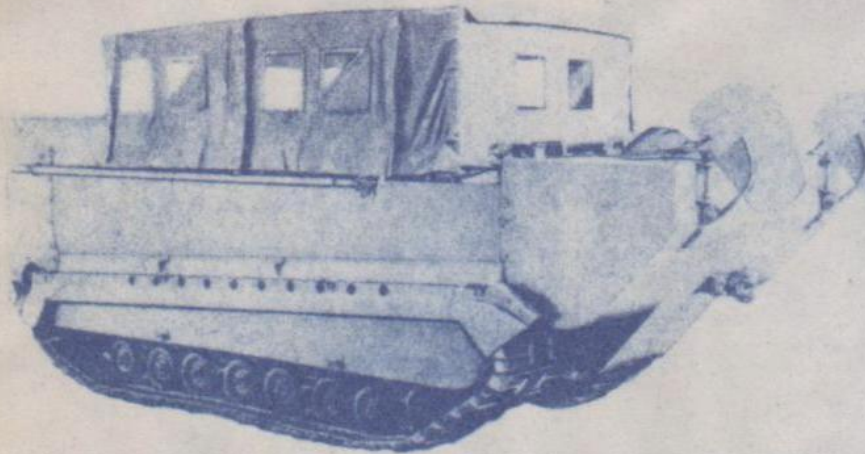
ENGINE

Manufacturer: Dodge	Model T-214
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 3,200
Brake horsepower:	92 at (rpm) 3,200
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

Section III. Amphibious Vehicles

CARRIER, CARGO, M29C (AMPHIBIAN)



Technical Manuals: 9-1772A,
9-1772B, 9-1828A
Parts List: SNL G-179

RA PD 347023

Manufacturer: The Studebaker Corporation.

Classification: Standard.

Purpose: To transport personnel or light cargo on land or water.

GENERAL DATA

Crew:	2	No. of passengers:	2
Weight (fighting) (max.):	(lb) 5,975		
Shipping dimensions: Uncrated (cu ft)	528.6	(sq ft)	89.6
Free board at gross weight: Bow	(in.) 10 1/2		
	Stern	(in.)	8
Ground clearance:	(in.)		10 1/2
Pintle height: Loaded	(in.)		27 1/2
Ground pressure:	(lb per sq in.)		1.91
Electrical system:	(volts)		12
No. of batteries (6 volts):			2
Capacities:			
Fuel (72-80 octane gasoline):	(gal)		35
Cooling system:	(qt)		12 3/4
Crankcase (refill):	(qt)		5
Transmission:	(qt)		1
Differential and transfer case:	(qt)		6
Brakes: Mechanical—external contracting in differential			
Transmission: Speeds:			3
(Gear ratio: High—direct; Low—2.66:1)			
Transfer case: Speeds:			2
(Gear ratio: High—8.66:1; Low—2.74:1)			
Differential: Gear ratio:			4.87:1
Communication system:		Type—radio	

PERFORMANCE

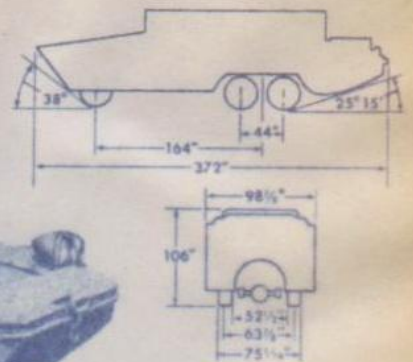
Maximum gradability:	(percent)	100
Turning radius (on land) (ft):	Right—12; left—12	

Fording depth:	Will float
Maximum width of ditch vehicle will cross:	(in.) 36
Angle of approach:	(deg) 47
Angle of departure:	(deg) 38
Maximum vertical obstacle vehicle will climb:	(in.) 10
Fuel consumption, maximum (average conditions):	(mpg) 5
Fuel consumption on water:	
(2,000 rpm, wide-open throttle)	(gph) 2.5 to 2.7
Cruising range (average conditions), on land at 5 mph:	(mi) 175
Maximum allowable speed:	(mph) 36
Maximum allowable towed load:	(lb) 4,200

ENGINE

Manufacturer: Studebaker	Model 6-170 Champion
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 169.6
Bore:	(in.) 3
Stroke:	(in.) 4
Maximum recommended speed (not governed):	(rpm) 4,000
Brake horsepower:	65 at (rpm) 3,600
Torque:	130 ft-lb at (rpm) 1,800
Type of ignition:	Distributor

TRUCK, 2½-TON, 6 x 6, AMPHIBIAN



Technical Manuals: 9-802, 9-1802A, 9-1802B, 9-1802C, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-501

RA PD 346947

Manufacturer: General Motors Truck and Coach Div. (GMC).

Classification: Standard.

Armament: Provision for installation of M36 truck mount for anti-aircraft machine guns.

Purpose: To transport cargo or personnel on land or water.

This vehicle is popularly known as "The Duck."

GENERAL DATA

Crew:	2
Weight (lb): Net—14,880 Payload—5,175 Gross—20,055	
Rear axles: Gear ratio	6.6:1
Tires: Ply—10	Size 11.00 x 18
Pressure (lb) for normal terrain	Front—40; rear—40
Tread (center to center) (in.):	Front—62½
Shipping dimensions: Uncrated (sq ft) 260.9	(cu ft) 2,236
Vehicle dimensions (in.):	
Water line length	344
Loaded freeboard: At coaming	Front—29; rear—29
At deck	Front—24; rear—16
Loaded draft	Front—42; rear—51
Ground clearance	(in.) 11½
Pintle height, loaded	(in.) 49½
Cargo space (cu ft):	
To top of coaming	198
Under tarp bows	385
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Air compressor	(qt) 1½
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 20
Crankcase (refill)	(qt) 12½
Transmission	(qt) Main—6½; auxiliary—4½
Differentials (each)	(qt) 6½
Transfer case	(qt) 4½
Winch (load capacity)	(lb) 10,000
Brakes: Mfr.—GMC	Type—hydraulic hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	5
(Gear ratio: High—.799 over; Low—6.06:1; 4th speed—direct)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

Auxiliary transmission: Speeds	2
(Gear ratio: High—2.57:1; Low—1.34:1)	

PERFORMANCE

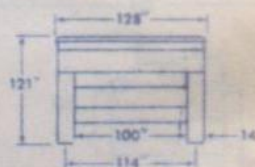
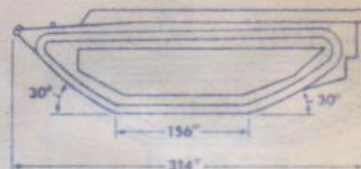
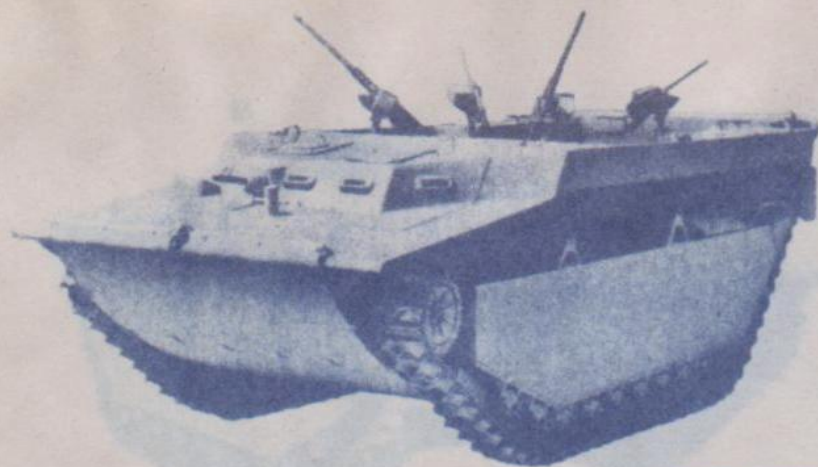
Maximum computed gradability:	(percent) 55
Turning radius:	
Right (ft)	Land—35; water—12½
Left (ft)	Land—36; water—17½
Fuel consumption (loaded):	(mpg) 6
Cruising range (loaded):	(mi) 240
(On water: At top speed, 2nd gear (mi) 30; 3rd gear (mi) 50)	
Allowable speed: (on land)	(mph) 50

ENGINE

Manufacturer: GMC	Model 370
Type: Valve-in-head, 4 cycles	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft.-lb at (rpm) 1,400

ADDITIONAL DATA

VEHICLE, LANDING, TRACKED (UNARMORED), MK. 4, LVT (4)



RA PD 347272

Technical Manuals: 9-776, 9-1726A,
9-1726C, 9-1728, 9-1775, 9-1825A,
9-1829A

Parts List: SNI G-209

Manufacturers: Food Machinery Corp., St. Louis Car Co.
Armament: 2 guns, machine, cal. .50; 2 guns, machine,
cal. .30. 1 gun, machine, cal. .30 (ball mount).
Ammunition: 4,000 rounds, cal. .30; 5,000 rounds, cal. .50.
Classification: Standard.

Make of vehicle illustrated: Food Machinery Corp.
"Water Buffalo."

Purpose: For use in rough terrain, swamp land, and self-
propulsion in exposed waters. Also for landing on beach
through surf.

GENERAL DATA

Crew:		6
Weight (lb):	Payload—9,000	Gross—36,400
Shipping dimensions: Uncrated	(cu. ft) 2,858.3; (sq. ft) 238	
Ground pressure:	(lb per sq in.)	8.5
Ground clearance: (in.)	18; (on soft ground) 15½	
Loaded waterline length:	(in.)	296
Loaded freeboard (min.):	(in.)	42
Loaded draft:		
Front	(in.)	35.2
Rear	(in.)	30.9
Cargo space to top of coaming	(in.)	63.7
Electrical system:	(volts)	12
No. of batteries (6-volts each)		2
Capacities:		
Fuel (80 octane gasoline)	(gal)	163
Cooling system		Air cooled
Transmission and differential	(qt)	24
Oil tank	(qt)	23
Final drives (each)	(qt)	3
Brakes:	Mechanical—controlled differential	
Transmission: Speeds		5
(Gear ratio: High—2.29:1; Low—5.37:1)		
Final drive: Gear ratio		3.15:1
Hull construction:		Welded sheet steel
Communication system:		Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent)	60
Turning radius (ft):	Water 48; land	30
Fording depth:		Floats
Maximum width of ditch vehicle will cross:	(in.)	60
Maximum vertical obstacle vehicle will climb:	(in.)	36

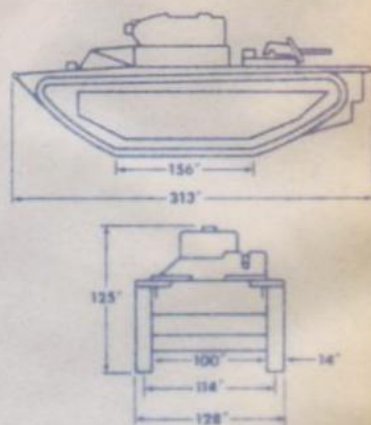
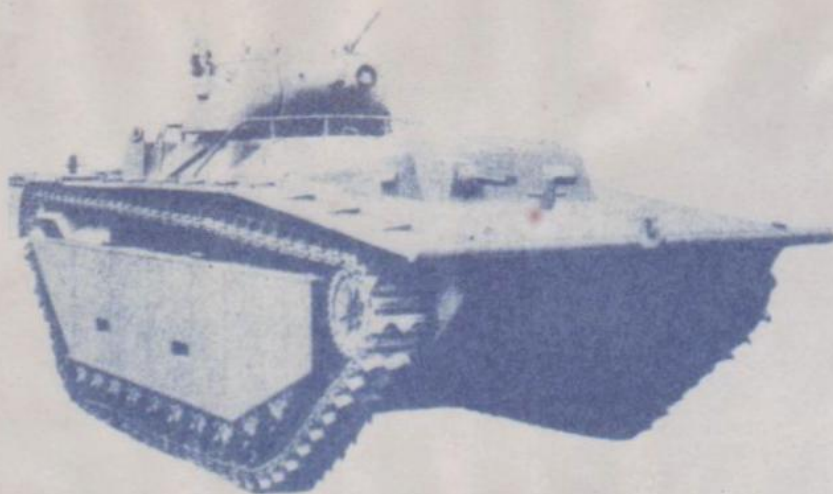
Fuel consumption (average conditions): (mpg) Water—6; land—9
Cruising range (average conditions): (mi) Water—100; land—150
Maximum speed: (mph) Water—7; land—15
Maximum allowable towed load: (lb) 30,000

ENGINE

Manufacturer:	Continental	Model W670-9A
Type:	Single row static radial, 4-cycle	No. of cylinders 7
Displacement:		(cu. in.) 567.86
Bore:		(in.) 5.125
Stroke:		(in.) 4.625
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		250 at (rpm) 2,400
Torque:		578 ft.-lb at (rpm) 1,500
Type of ignition:		Magneto

ADDITIONAL DATA

VEHICLE, LANDING, TRACKED, ARMORED, MK. 4, LVT (A) (4)



Technical Manuals: 9-775, 9-1726A,
9-1726C, 9-1727K, 9-1728, 9-1775,
9-1825A, 9-1829A

RA PD 347273

Parts List: SNE G-214

Manufacturer: Food Machinery Corp.

Armament: 1 75-mm howitzer, M2 or M2A1; 3 guns,
machine, cal. .30, M1919A4 (flex).

Classification: Limited standard.

Ammunition: 100 rounds 75-mm; 6000 rounds cal. 30.

Purpose: For use in rough terrain, swamp land, and self-propulsion in exposed waters. Also for landing on beach through surf.

GENERAL DATA

Crew:	6
Weight (fighting):	(lb) 40,000
Shipping dimensions: Uncrated	(cu ft) 2,899 2; (sq ft) 277.5
Ground clearance: (in.)	18; (on soft ground) 14½
Ground pressure:	(lb per sq in.) 9.9
Loaded waterline length:	(in.) 279
Loaded freeboard: (minimum)	(in.) 27
Loaded draft:	
Front	(in.) 31¾
Rear	(in.) 37¾
Cargo space to top of coaming:	(in.) 52
Electrical system:	(volts) 12
No. of batteries (6-volt)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 140
Cooling system	Air cooled
Transmission and differential	(qt) 24
Oil tank	(qt) 23
Final drives (each)	(qt) 3
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—2.29:1; Low—5.37:1)	
Final drive: Gear ratio	3.15:1
Hull construction:	Welded sheet steel
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Water—48; land—30
Fording depth:	Floats
Maximum width of ditch vehicle will cross:	(in.) 60
Maximum vertical obstacle vehicle will climb:	(in.) 36

Fuel consumption (average conditions) (mpg):	Water—7; land—1
Cruising range (average conditions): (mi)	Water—100; land—150
Maximum speed: (mph)	Water—7; land—15
Maximum allowable towed load:	(lb) 30,000

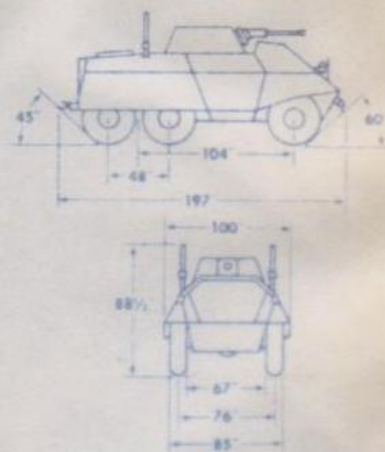
ENGINE

Manufacturer:	Continental	Model W670-9A
Type:	Single row static radial, 4-cycle	No. of cylinders 7
Displacement:		(cu in.) 667.86
Bore:		(in.) 5.125
Stroke:		(in.) 4.625
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		250 at (rpm) 2,400
Torque:		578 ft-lb at (rpm) 1,600
Type of ignition:		Magneto

ADDITIONAL DATA

Section IV. Armored Cars

CAR, ARMORED, LIGHT, M8



Technical Manuals: 9-743, 9-1743,
9-1825B, 9-1826C, 9-1827C, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-136

RA PD 347011

Manufacturer: Ford Motor Co

Classification: Limited standard.

Armament: One gun, 37-mm, M6; one gun, machine, cal. .30, M1919A4 (flexible).

Ammunition: 80 rounds, 37-mm; 400 rounds, cal. .30 (carbine) M1, 1500 rounds, cal. .30 (machine gun); 16 hand grenades; 4 pots, smoke, M1 or M2; 6 mines, anti-tank, HE, M1, with fuze, M1.

Purpose: To provide high-speed mobility, defense fire-power, and crew protection for reconnaissance.

GENERAL DATA

Crew:	4
Weight (lb):	Gross—17,200
Rear axles: Gear ratio:	6.66:1
Axle load (lb): Loaded	Front—6,360, rear (each axle) 5,420
Tires, combat:	
Ply—12; Size—9.00 x 20; Pressure (lb), Front—60; rear—50	
Tread, center to center (in.)	Rear—76
Vehicle dimensions: (Ground clearance)	(in.) 11½
Shipping dimensions: Uncrated (cu ft) 1,008.9	(sq ft) 136.8
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 54
Cooling system	(qt) 23½
Crankcase (refill)	(qt) 7
Transfer case	(qt) 2¼
Transmission	(qt) 4½
Differentials (qt)	Front—2¼; rear—2¼
Brakes: Manufacturer—Bendix	Type—hydraulic-hydrovac
Dimensions	(in.) 2¼
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.499:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.956:1)	
Communication equipment:	Radio and interphones

PERFORMANCE

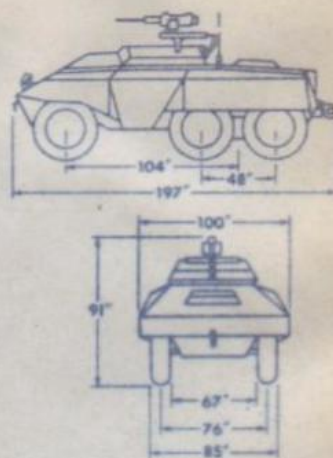
Maximum computed gradability:	(percent) 60
Turning radius (ft):	Right—27½; left—27½
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 5½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 56

ENGINE

Manufacturer: Hercules	Model: JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4½
Maximum recommended governed speed:	(rpm) 3,200
Brake horsepower:	79 at (rpm) 2,700
Torque:	220 ft-lb at (rpm) 1,130

ADDITIONAL DATA

CAR, ARMORED, UTILITY, M20



Technical Manuals: 9-743, 9-1743,
9-1825B, 9-1826C, 9-1827C, 9-1828A,
9-1829A, 9-1832A
Parts List: SNL G-176

RA PD 347094

Manufacturer: Ford Motor Co.
Classification: Standard.

Purpose: To provide a highly mobile armored personnel
and cargo carrier, and field commander's car.

GENERAL DATA

Crew:	6
Rear axles: (Gear ratio 5.66:1)	
Weight (lb):	Gross—15,650
Axle load (lb.) Loaded:	Front—5,600; rear—5,025 (each axle)
Tires (Combat):	
Ply—12; Size—9.00 x 20; Pressure (lb)—Front—60; rear—50	
Tread, center to center (in.):	Front—76
Shipping dimensions:	
Uncrated:	(cu ft) 1,037.4; (sq ft) 136.8
Ground clearance:	(in.) 11½
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 54
Cooling system:	(qt) 23½
Crankcase (Refill):	(qt) 7
Transfer case:	(qt) 2½
Transmission:	(qt) 4½
Differential:	Front—2½ qt; rear each—(qt) 2½
Brakes: Manufacturer—Bendix	Type—hydraulic-hydrovac
Dimensions:	(in.) 2½
Transmission; Speeds:	4
(Gear ratio: High—direct; Low—6.499:1)	
Transfer case; Speeds:	2
(Gear ratio: High—direct; Low—1.956:1)	
Communication equipment:	Type—radio

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—28; left—28
Fording depth:	(in.) 32
Angle of approach:	(deg) 60

Angle of departure:	(deg) 45
Fuel consumption (loaded):	(mpg) 5½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 56

ENGINE

Manufacturer: Hercules	Model JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4½
Maximum recommended governed speed:	(rpm) 3,200
Brake horsepower:	79 at (rpm) 2,700
Torque:	220 ft-lb at (rpm) 1,150

ADDITIONAL DATA

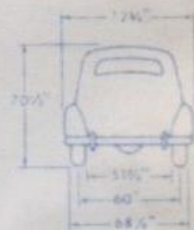
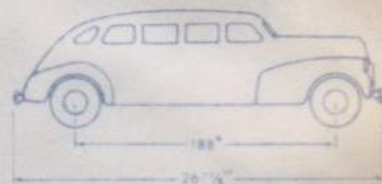
Armament: One Gun, machine, cal. .50, HB, M2.
Ammunition: 1,000 rounds, cal. .50; 500 rounds, cal. .30; 12 hand
grenades; 10 rockets, AT, M6.
Basic chassis: Car, Armored, M8.

Section V. Busses

BUS, 15-PASSENGER, CONVERTED TYPE



RA PD 347246



Technical Manuals: 10-1129,
10-1133, 10-1303
Parts List: SNL G-520

Manufacturers: Chassis—Chevrolet Motor Division (GMC). Bodies by various manufacturers.

Purpose: To transport personnel.

GENERAL DATA

Crew:	1
Passengers (including crew):	16
Weight (lb): Net—4,950 Payload—2,250 Gross—7,200	
Rear axle: Gear ratio:	4.11:1
Tires: Ply—6	Size—7.50 x 16
Tread, center to center (in.):	Front—57 1/2
Shipping dimensions:	
Uncrated	(cu ft) 749.9, (sq ft) 135.3
Vehicle dimensions:	
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal.) 16
Cooling system	(qt.) 15
Crankcase (refill)	(qt.) 5
Transmission	(qt.) 1 1/4
Differential	(qt.) 1 1/4
Brakes: Manufacturer—Chevrolet	Type—hydraulic
Dimensions:	(in.) 1 1/4
Transmission: Speeds	3
(Gear ratio: High—direct, Low—2.94:1)	

PERFORMANCE

Turning radius (ft):	Right—21 1/2; left—20 1/2
Fording depth:	(in.) 16 1/2

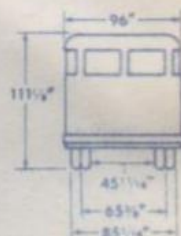
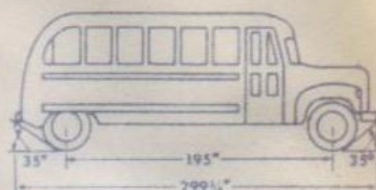
Fuel consumption (loaded):	(mpg) 5
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 35

ENGINE

Manufacturer: Chevrolet	Model BQ-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 216.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 3 1/4
Maximum governed speed:	Not governed
Brake horsepower:	81.5 at (rpm) 1,100
Torque:	168 ft.-lb. at (rpm) 1,100

ADDITIONAL DATA

BUS, 29-PASSENGER, 4 x 2



RA PD 347327

Technical Manuals: 9-824, 9-1824,
9-1825A, 9-1826C, 9-1827B, 9-1827C,
9-1828A, 9-1829A

Parts List: SNL G-688

Manufacturer: International Harvester Company, Model
K5 and KS5.

Purpose: To transport personnel.

GENERAL DATA

Crew:	1
Passengers (including crew):	30
Weight: Gross:	(lb) 14,426
Rear axle: Gear ratio:	6.6:1
Axle load (lb):	
Loaded:	Front—3,822; rear—10,604
Tires: Ply—10, Size—7.50 x 20; Pressure (lb)—Front—55; rear—75	
Tread, center to center (in.):	Front—58 1/2
Shipping dimensions:	
Uncrated:	(cu ft) 1,848.4; (sq ft) 200
Ground clearance:	(in.) 9 1/2
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel:	(gal) 22
Cooling system:	(qt) 15
Crankcase (refill):	(qt) 7
Transmission (main):	(qt) 2 3/4
Differential:	(qt) 3 1/2
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—6.40:1)	

PERFORMANCE

Turning radius:	Right—36' 3"; left—36' 2"
Fording depth:	(in.) 28 3/4
Fuel consumption (loaded):	(mpg) 8
Cruising range (loaded):	(mi) 175
Allowable speed:	(mph) 50

ENGINE

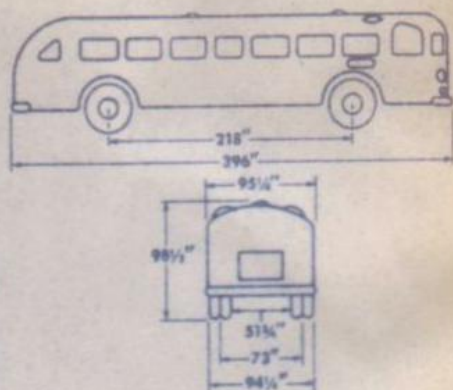
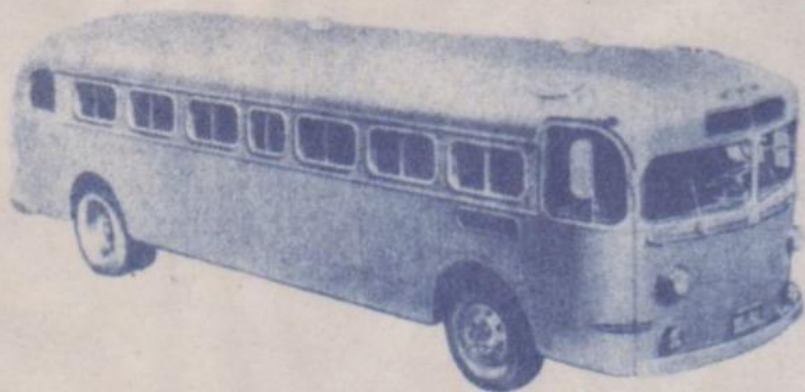
Manufacturer: International Harvester Co. Model GRD 233
Type: L-head, 4-cycle No. of cylinders (in line) 6

Displacement:	(cu in.) 232.65
Bore:	(in.) 3 1/2
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 2800
Brake horsepower:	93 at (rpm) 3,000
Torque:	181 ft-lb at (rpm) 1,000

ADDITIONAL DATA

*KS5 differential capacity (qt) 6 1/2

BUS, 29-PASSENGER



RA PD 347277

Manufacturer: General Motors Truck and Coach Division (GMC).

Purpose: To transport personnel.

GENERAL DATA

Crew	1
Passengers (including crew)	30
Weight (lb): Net—13,380; Payload—6,000; Gross—19,380	
Rear axle: Gear ratio	4.11:1
Axle load (lb): Empty	Front—4,700; rear—8,680
Tires: Ply—10; Size—9.00 x 18; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—80
Shipping dimensions: (uncrated)	(cu ft) 2,148; (sq ft) 262
Vehicle dimensions:	
Step height	(in.) 15
Ground clearance	(in.) 9 1/4
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70-72 octane gasoline)	(gal) 110
Cooling system (qt); 1/4 in. dia. heater pipes, 40; 1 1/8 in. dia. heater pipes, 46.	
Crankcase (refill)	(qt) 11
Transmission (main)	(qt) 3
Differential	(qt) 3 1/4
Brakes: Manufacturer—Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—6
Transmission: Speeds	4
(Gear ratio: High—direct: Low—4.88:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 60
Turning radius:	Right—36'2"; left—38'
Fuel consumption (loaded):	(mpg) 7
Cruising range (loaded):	(mi) 770
Allowable speed:	(mph) 63.8

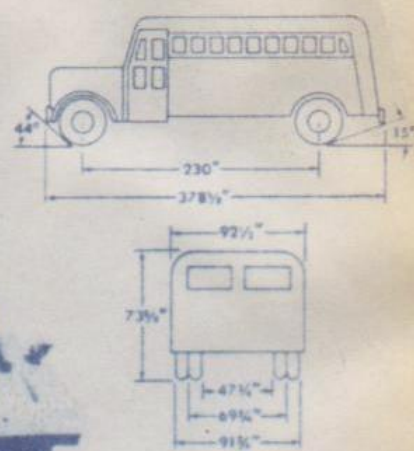
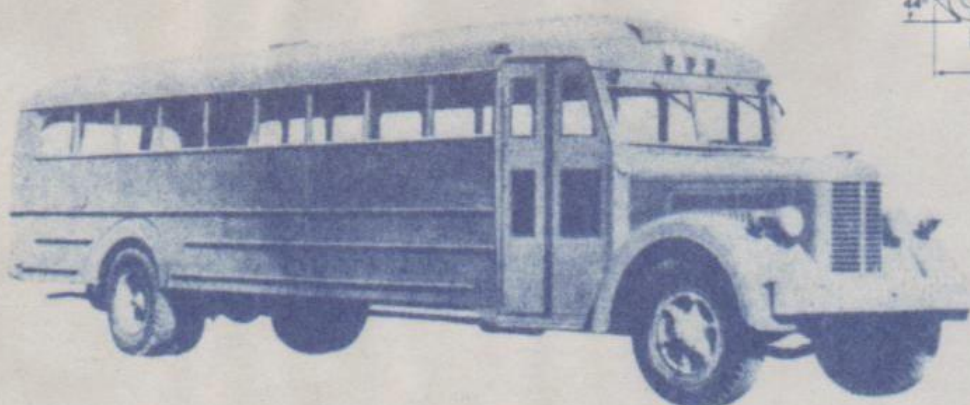
ENGINE

Manufacturer: GMC	Model 426
Type: Valve-in-head, 4-cycle	No. of cylinders (per line) 6
Displacement:	(cu in.) 425.58
Bore:	(in.) 4 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,400
Brake horsepower:	145 at (rpm) 2,600
Torque:	340 ft-lb at (rpm) 800-1400

ADDITIONAL DATA

BUS, 37-PASSENGER, 4 x 2

R & V - HKGS
GEREGISTREERD



Technical Manual: 10-1681

RA PD 347372

Manufacturer: Mack Mfg. Corp.

Make of vehicle illustrated: Available Truck Co.
Purpose: To transport personnel.

GENERAL DATA

Crew:	1
Passengers (including crew):	38
Weight (lb): Net—8,450 Payload—7,650 Gross—16,100	
Rear axles: Gear ratio:	8.59
Axle load (lb): Empty	Front—4,550; rear—3,900
Tires: Ply—12; Size—10.00 x 20; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—69 1/2
Shipping dimensions: Uncrated	(cu ft) 1,859; (sq ft) 243
Vehicle dimensions:	
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel:	(gal) 50
Cooling system:	(qt) 31
Crankcase (refill):	(qt) 9
Transmission (main):	(qt) 10 1/2
Differential:	(qt) 14
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.):	Front—3; rear—4
Transmission: Speeds (forward):	5
(Gear ratio: High—1:1; Low—8.05:1)	

PERFORMANCE

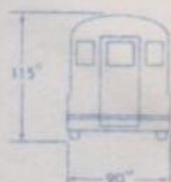
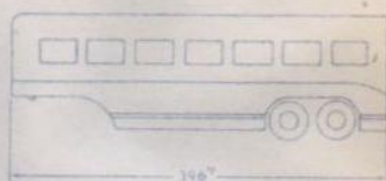
Maximum computed gradability	(per cent) 2.8
Turning radius (ft):	Right—42'3"; left—42'3"
Fording depth:	(in.) 45 1/4
Fuel consumption (loaded):	(mpg) 5.5
Cruising range (loaded):	(mi) 275
Allowable speed:	(mph) 35

ENGINE

Manufacturer: Mack	Model EN334
Type: L-head, 4-cycle	No. of cylinders 6
Displacement:	(cu in.) 354
Bore:	(in.) 3 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	110 at (rpm) 2,620
Torque:	255 ft-lb at (rpm) 1,200

ADDITIONAL DATA

BUS, SEMITRAILER, CONVERTED, 40-45 PASSENGER



RA PD 347239

Manufacturers: Various
 Classification: Substitute standard.
 Purpose: To transport personnel.

Body type:	*Bus
Weight (lb):	Approximate Gross—11,000
Tires: **Size—Refer to additional data	Operating—4
Ground clearance:	Under bed—very low
Brakes: Service	Air or vacuum

Towing vehicles to be used: Truck tractor, 1½-ton or greater capacity.

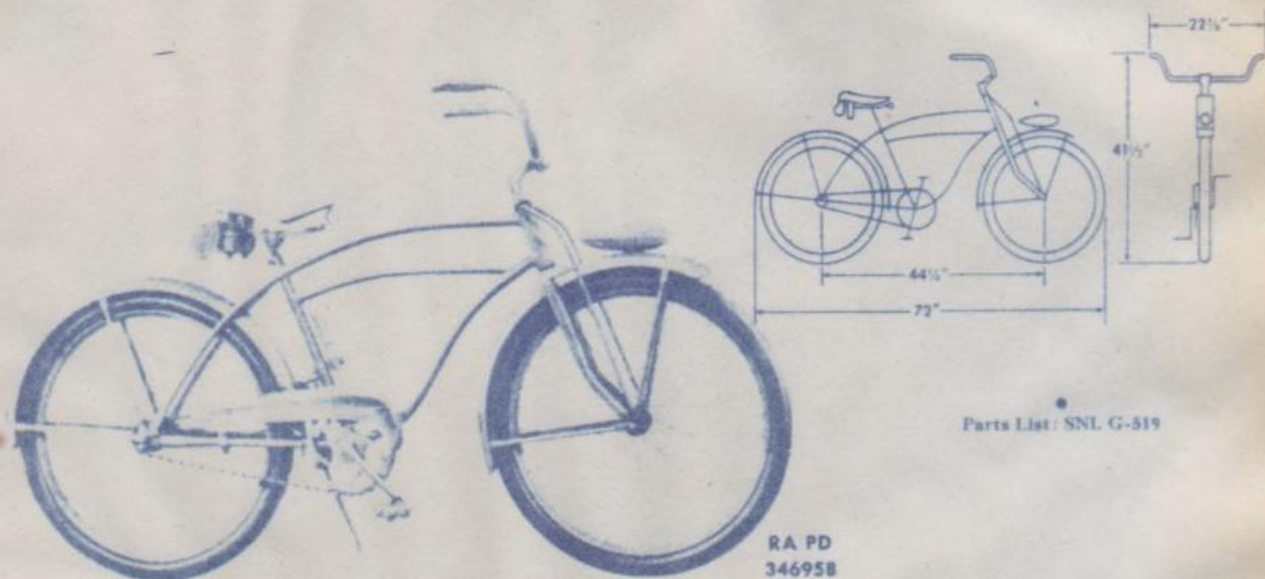
Treads vary.

*These units were purchased as used new-car haulaway trailers, reconditioned and converted by cutting away part of the original superstructure and building a bus body on the remaining chassis.

**Tires were those on the vehicles at the time of purchase and varied in size from 7.00 x 20 to 8.25 x 20. Approximately 25 different contractors made these bus conversions.

Section VI. Bicycles, Motorcycles, and Scooters

BICYCLE, MILITARY, UNIVERSAL



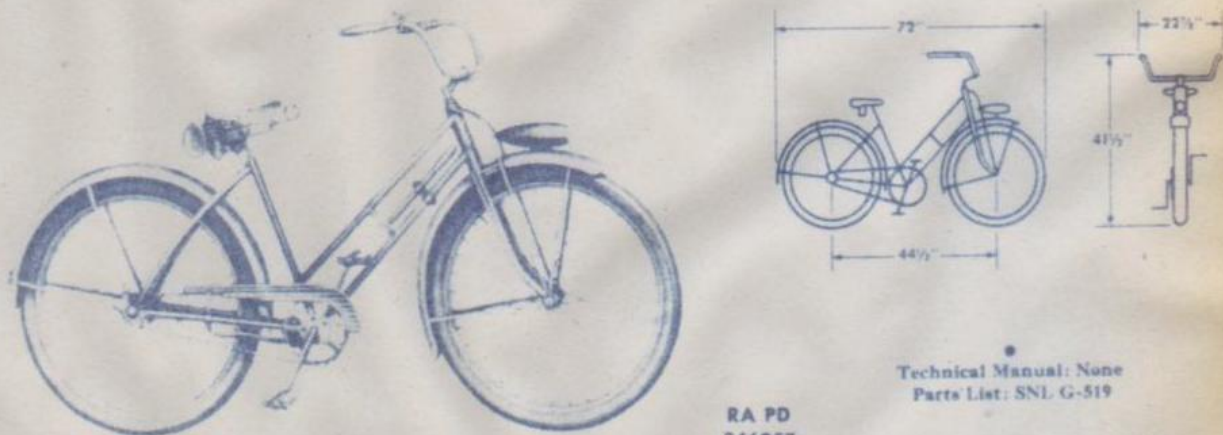
Parts List: SNL G-519

RA PD
346958

Manufacturers: Huffman Mfg. Co.; Westfield Mfg. Co.
Classification: Standard.
Purpose: To provide transportation for personnel engaged in dispatch or messenger service.
Make of Vehicle illustrated: Huffman.

Weight (lb): Net—55
Shipping dimensions: (uncrated) (cu ft) 39.5; (sq ft) 11.4
Tires: Ply—2; Size—26 x 2.125; Pressure (lb)—Front—22; rear—22
Type of Drive: Chain
Payload—200

BICYCLE, MILITARY, WOMEN'S, M306



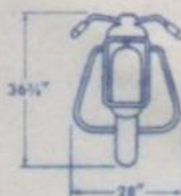
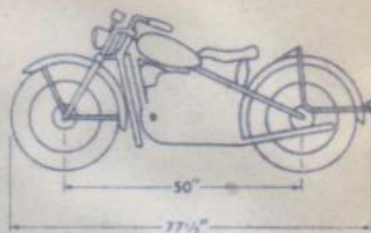
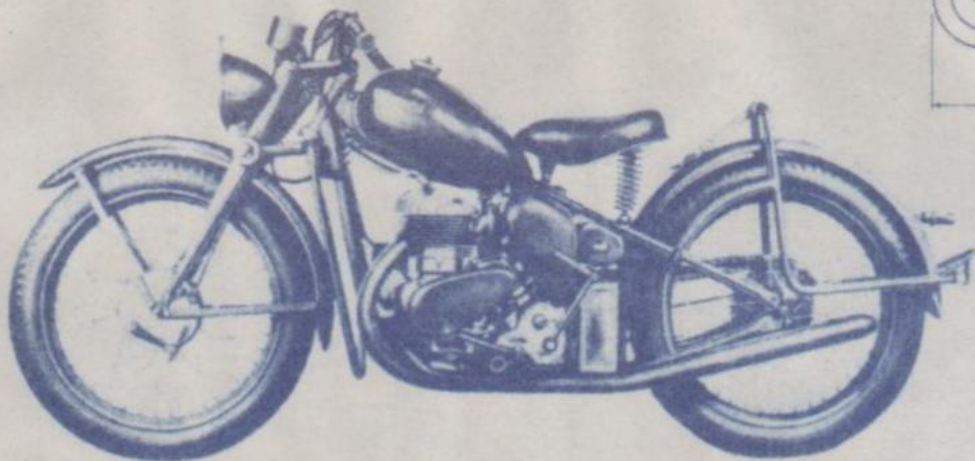
Technical Manual: None
Parts List: SNL G-519

RA PD
346957

Manufacturers: Huffman Mfg. Co.; Westfield Mfg. Co.
Classification: Standard.
Make of vehicle illustrated: Westfield.
Purpose: To furnish transportation for personnel for messenger or dispatch service.

Crew 1
Weight (lb): Net—52
Shipping dimensions: Uncrated (cu ft) 39.5 (sq ft) 11.4
Tires: Ply—2
Size—26 x 2.125
Pressure (lb): Front—22; rear—22
Type of drive: Chain
Payload—175

MOTORCYCLE, SOLO, EXTRA LIGHT, M1



RA PD 347141

Manufacturer: Indian Motorcycle Co.
Classification: Standard.

Purpose: Airborne.

GENERAL DATA

Crew:	1
Weight (lb): Net—250	Payload—225
Gross—475	
Tires: Drop center, highway	Ply—4 Size (in.) 3 x 18
Pressure (lb.)	front—20; rear—20
Ground clearance:	(in.) 5 1/2
Electrical system:	Geneto magneto and generator
Capacities:	
Fuel	(gal) 2 3/4
Oil tank	(qt) 1 1/2
Transmission	(qt) 1 1/2
Primary drive	(qt) 3/8
Type of drive:	Chain

PERFORMANCE

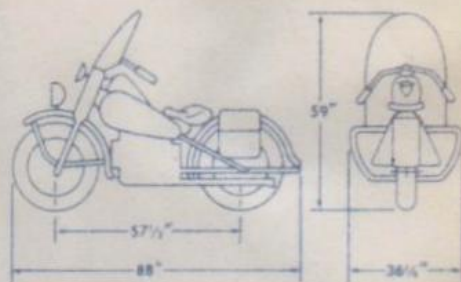
Maximum gradability:	(per cent) 25
Turning radius (ft):	Left—5 1/2; right—5 1/2
Fording depth:	(in.) 12
Fuel consumption (average conditions):	(mpg) 90
Cruising range (average conditions):	(mi) 250
Maximum speed:	(mph) 45
No. of speeds forward:	3

ENGINE

Manufacturer: Indian Motorcycle Co.	Model 1
Type: Vertical, 4-cycle	No. of cylinders 1
Displacement:	(cu in.) 13.50
Bore:	(in.) 2 1/2
Stroke:	(in.) 2 3/4
Net horsepower: Maximum TP	6.3 at (rpm) 4,800
Net Torque: Maximum	8.1 ft.-lb at (rpm) 3,600

ADDITIONAL DATA

MOTORCYCLE, SOLO—MODEL WLA



Technical Manuals: 9-879, 9-1879
Parts List: SNI G-523

RA PD
346955

Manufacturer: Harley-Davidson Motor Co.
Classification: Standard

Purpose: To provide transportation for personnel engaged in reconnaissance, messenger service, police operations, and convoy control.

GENERAL DATA

Crew:	1
*Weight (lb): Net—576 (approx.); Payload—250; Gross (approx) 826	
Shipping dimensions:	(cu ft) 30.5
Crated (lb)	export—748; domestic—685
Tires: Ply—4 Size—18 x 4.00; Pressure (lb); Front—18; rear—20	
Ground clearance:	(in.) 4
Vehicle dimensions (over-all):	
Height (less windshield)	(in.) 41
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 3
Oil tank	(gal) 1
Transmission	(pt) 3/4
Cooling system	Air
Type of drive:	Chain
Center of front axle to center of rear axle:	(in.) 57 1/4

PERFORMANCE

Maximum gradability (with gross weight of 826 lb)	
(calculated):	(percent) 30
Turning radius: (ft)	Left—7'5"; right—7'2"
Fording depth:	(in.) 16
Fuel consumption (average conditions):	(mpg) 37
Cruising range (average conditions): Approx.	(mi) 110
Maximum speed:	(mph) 60
No. of speeds forward:	3

ENGINE

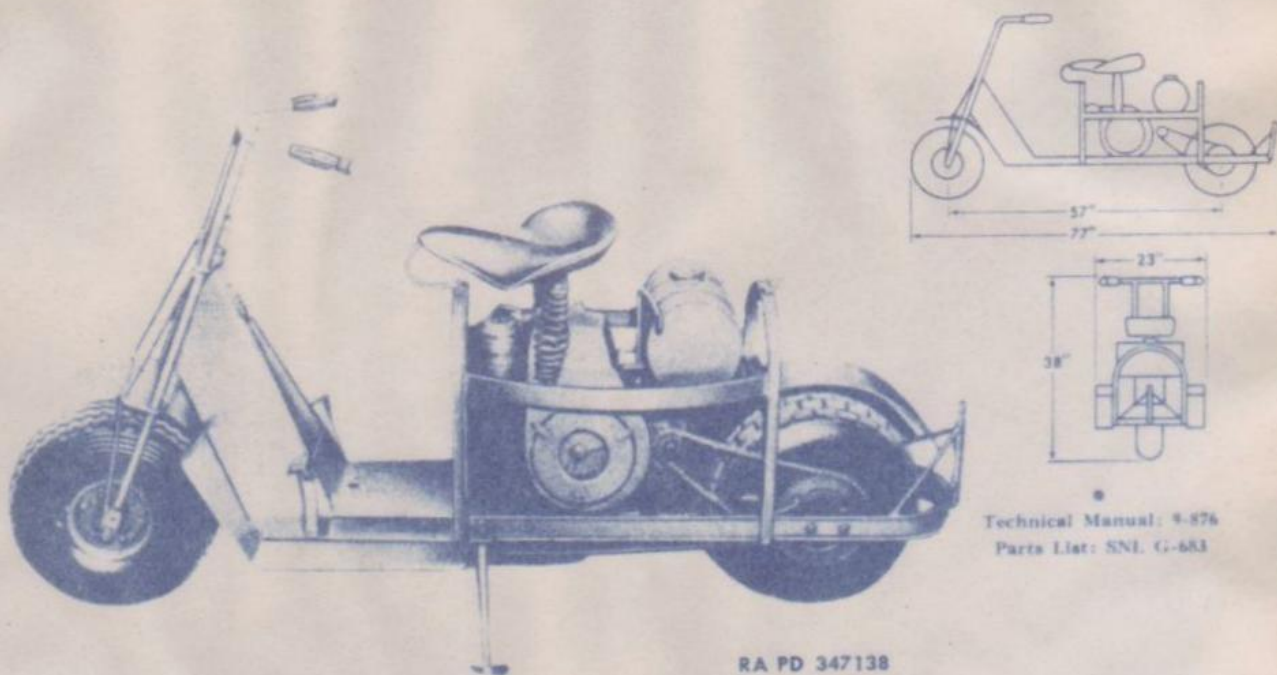
Manufacturer: Harley-Davidson Motor Co.	Model WLA
Type: 45°V, side-valve, 4-cycle	No. of cylinders 2
Displacement:	(cu in.) 45.124

Bore:	(in.) 2.745
Stroke:	(in.) 3.8125
Torque: Maximum	28 ft-lb at (rpm) 3,000

ADDITIONAL DATA

*Net weight includes weight of gas, oil and all accessories such as windshield, legshields, etc.

SCOOTER, MOTOR, 2W, AIRBORNE



Technical Manual: 9-876
Parts List: SNI G-683

RA PD 347138

Manufacturer: Cushman Motor Works.

Purpose: To provide mobile transportation for one person.

Classification: Limited Standard.

GENERAL DATA

Crew:	1
Weight (lb): Net—255	Payload—225
	Gross—480
Tires: Ply—4; Size—6.00 x 6; Pressure (lb)—Front—15; rear—15	
Ground clearance:	(in.) 6 $\frac{1}{4}$
Electrical system: Ignition:	Magneto
Capacities:	
Fuel (70 octane gasoline):	(gal) 2
Crankcase:	(qt) 1 $\frac{1}{4}$
Transmission:	(pt) $\frac{1}{2}$
Cooling system:	Air
Type of drive:	Chain
Transmission: Speeds:	2
(Gear ratio: Low—15.2:1; High—5.03:1)	

PERFORMANCE

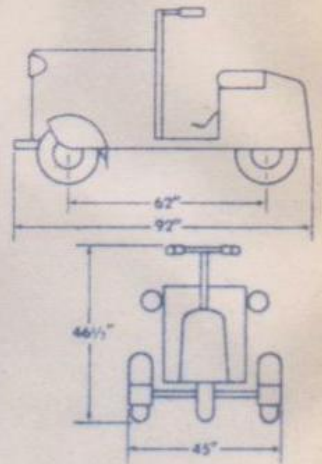
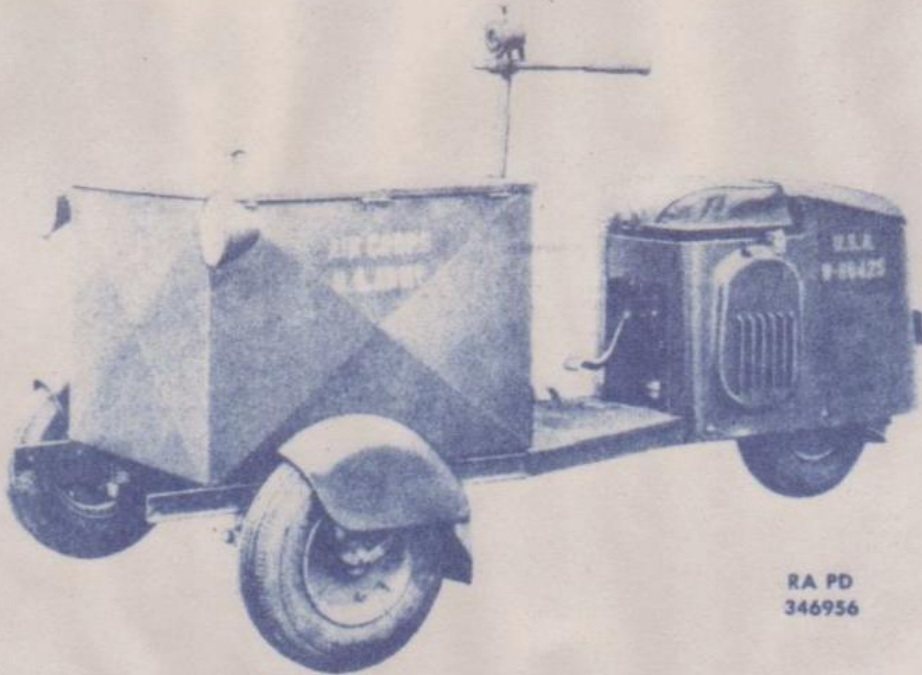
Maximum gradability:	(per cent) 25
Turning radius (ft):	Left—6 $\frac{1}{4}$; right—6 $\frac{1}{4}$
Fording depth:	(in.) 12
Fuel consumption (average conditions):	(mpg) 50
Cruising range (average conditions):	(mi) 100
Maximum speed:	(mph) 40

ENGINE

Manufacturer: Cushman	
Type: Vertical, 4-cycle	No. of cylinders 1
Displacement:	(cu in.) 14.89
Bore:	(in.) 2 $\frac{1}{4}$
Stroke:	(in.) 2 $\frac{1}{4}$
Horsepower: Maximum	4.6 at (rpm) 3,600
Torque: Maximum	7.5 ft-lb at (rpm) 2,600

ADDITIONAL DATA

SCOOTER, MOTOR, 3W, PACKAGE DELIVERY



RA PD
346956

Manufacturer: Cushman Motor Works, Model 39.
Classification: Limited standard.

Purpose: To provide transportation for stock chasing, light delivery and messenger service.

GENERAL DATA

Weight (lb): Net—414	Payload—386	Gross—800
Shipping dimensions:	(cu ft) 102; (sq ft) 30	
Tires: Ply—4	Size—4.00 x 8; Pressure (lb); Front—30; rear—30	
Ground clearance:	(in.) 5 1/2	
Electrical system:	(volts) 6	
Capacities:		
Fuel (70 octane gasoline)	(gal) 1 3/4	
Crankcase	(qt) 1 3/4	
Transmission	(pt) 1/2	
Cooling system	Air-cooled	
Transmission: Speeds	2	
(Gear ratio: High—6.48:1; Low—13.43:1)		
Type of drive:	Chain	

PERFORMANCE

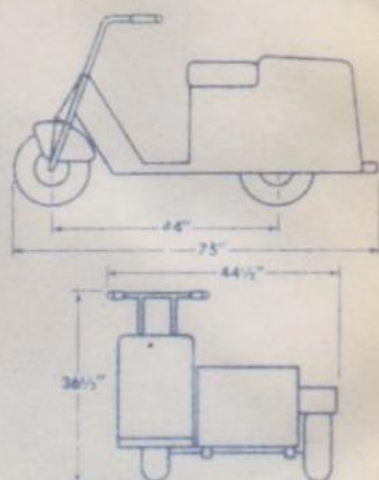
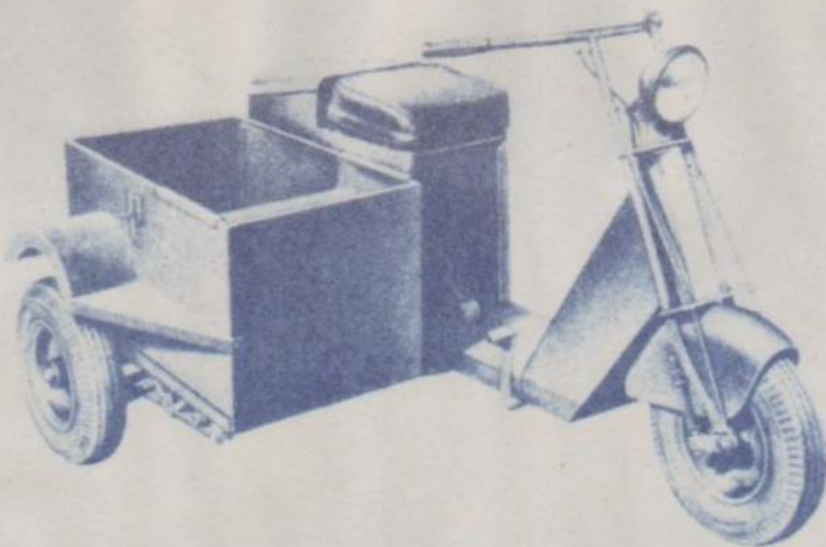
Maximum gradability:	(percent) 12
Turning radius (ft):	Right—11; left—11
Fording depth:	(in.) 6
Fuel consumption (average conditions):	(mpg) 42
Cruising range (average conditions):	(mi) 50
Maximum speed:	(mph) 25

ENGINE

Manufacturer: Cushman	Model 10M70
Type: Vertical, 4-cycle	No. of cylinders 1
Displacement:	(cu in.) 14.89
Bore:	(in.) 2 3/4
Stroke:	(in.) 2 3/4
Maximum horsepower:	4 at (rpm) 3,600
Torque: Maximum	7.5 ft-lb at (rpm) 2,600

ADDITIONAL DATA

SCOOTER, MOTOR, 3 W, W/SIDE CAR



RA PD 347140

Manufacturer: Cushman Motor Works, Model 34.
Classification: Standard.

Purpose: To provide transportation for stock chasing, light delivery, and messenger service.

GENERAL DATA

Crew:	1
Weight (lb):	Net—350; payload—325; gross—675
Shipping dimensions:	(cu ft) 70.4; (sq ft) 23.1
Tires: Ply—4; Size—4.00 x 8; Pressure (lb)—Front—30; rear—30	
Ground clearance:	(in.) 4
Electrical system:	(volts) 6
Capacities:	
Fuel (70 octane gasoline)	(gal) 1 1/2
Crankcase	(qt) 1 1/4
Cooling system	Air
Gear case	(pt) 1/2
Type of drive:	Chain

PERFORMANCE

Maximum gradability:	(per cent) 4
Turning radius (ft):	Left—5 1/4; right—6 1/4
Fording depth:	(in.) 10
Fuel consumption (average conditions):	(mpg) 42
Cruising range (average conditions):	(mi) 50
Maximum speed:	(mph) 25

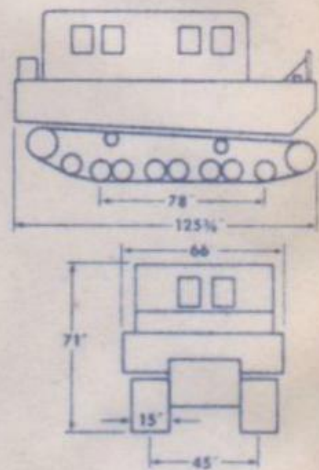
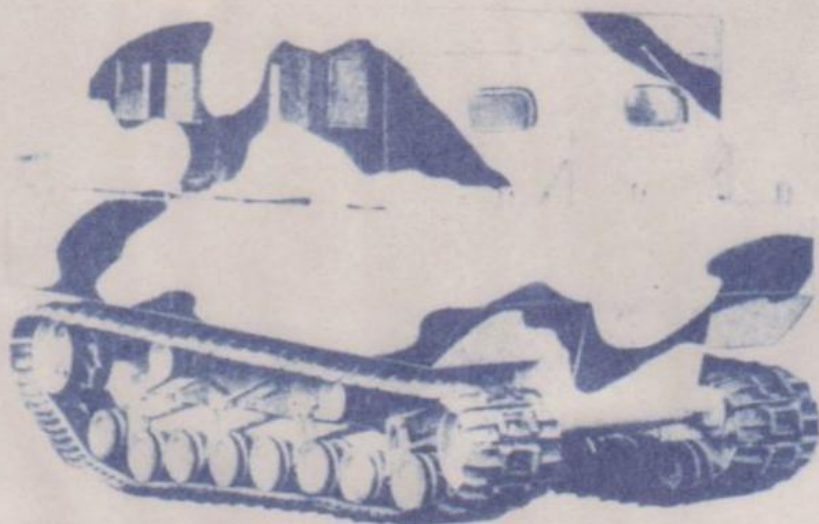
ENGINE

Manufacturer: Cushman	Model 15M70
Type: Vertical, 4-cycle	No. of cylinders 1
Displacement:	(cu in.) 14.89
Bore:	(in.) 2 3/4
Stroke:	(in.) 2 3/4
Horsepower: Maximum	4.6 at (rpm) 3,600
Torque: Maximum	7.5 ft-lb at (rpm) 2,600

ADDITIONAL DATA

Section VII. Cargo Carriers (full-track)

CARRIER, CARGO, M29



Technical Manuals: 9-772, 9-1772A,
9-1772B, 9-1828A
Parts List: SNL G-179

RA PD 347202

Manufacturer: The Studebaker Corp.
Classification: Standard.

Purpose: To transport personnel or cargo over snow and ice or difficult terrain.

GENERAL DATA

Crew:	2
Weight (fighting):	(lb) 4,541
Shipping dimensions: Uncrated:	(cu ft) 340; (sq ft) 57.7
Ground clearance:	(in.) 11
Ground pressure:	(psi) 1.9
Pintle height (loaded):	(in.) 27 1/2
Electrical system:	(volts) 12
No. of batteries:	1-12 volt or 2-6 volt batteries
Capacities:	
Fuel (72 octane gasoline):	(gal) 35
Cooling system:	(qt) 12 1/4
Crankcase (refill):	(qt) 5
Transmission:	(qt) 1
Differential and transfer case:	(qt) 6
Brakes:	Mechanical—external contracting in differential
Transmission: Speeds:	3
(Gear ratio: High—direct, Low—2.66:1)	
Transfer case: Speeds:	2
(Gear ratio: High—866:1, Low—2.74:1)	
Differential:	
(Gear ratio: 4.87:1)	
Communication system:	Type—radio

PERFORMANCE

Maximum gradability:	(per cent) 100
Turning radius (ft):	Right—12, left—12

Fording depth:	Will float
Maximum width of ditch vehicle will cross:	(in.) 36
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	
With maximum towed load:	(mpg) 5
Cruising range (average conditions):	(mi) 165
Maximum allowable speed:	(mph) 36
Maximum allowable towed load:	(lb) 3,800

ENGINE

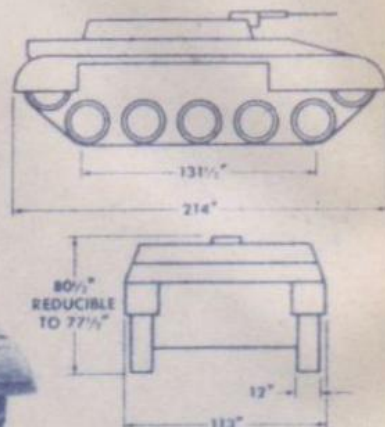
Manufacturer: Studebaker:	Model 6-170 Champion
Type: L-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 169.6
Bore:	(in.) 3
Stroke:	(in.) 4
Maximum governed speed:	Not governed
Brake horsepower:	65 at (rpm) 3,600
Torque:	130 ft-lb at (rpm) 1,800
Type of ignition:	Distributor

ADDITIONAL DATA

Above data is for early production vehicles having 15 in. track width.
For later production vehicles having 20 in. track width data as follows:

Weight:	(lb) 5,277
Shipping dimensions:	(cu ft) 366.8; (sq ft) 62
Overall width:	(in.) 71
Ground pressure:	(psi) 1.69

VEHICLE, ARMORED, UTILITY, M39



RA PD 347144

Technical Manuals: 9-755,
9-1725, 9-1731G, 9-1750D, 9-1755A,
9-1755B, 9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-163

Manufacturer: Buick Motor Division (GMC).

Armament: 1 gun, machine, cal. .50, H.B., M2.

Ammunition: 900 rounds, cal. .50; 1,620 rounds, cal. .30;
12 hand grenades; 4 smoke pots.

Classification: Standard.

Purpose: To transport cargo and personnel in combat zone and used as prime mover for 3-in. gun, M6.

GENERAL DATA

Crew	10
Weight (fighting)	(lb) 35,500
Shipping dimensions:	
Uncrated	(cu ft) 1,126.5; (sq ft) 168
Ground clearance	(in.) 14 1/4
Fintle height (loaded)	(in.) 25 1/4
Ground pressure:	(lb per sq in.) 11.25
Length of track on ground:	(in.) 131 1/2
Electrical system:	(volts) 24
No. of batteries (12 volt)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 165
Auxiliary generator fuel tank	(gal) 5
Cooling system	Air cooled
Transmission (and cooler)	(qt) 48
Differential (and transfer case including cooler)	(qt) 20
Final drives (each)	(qt) 5
Oil tank	(qt) 44
Brakes:	Mechanical—controlled differential
Transmission: Speeds	3
Gear ratio: High—direct; Low—4.105:1	
Transfer case: Speeds	1
Gear ratio: Direct	
Final drive: Speeds	1
(Gear ratio: 2.176:1)	
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—33; left—33
Fording depth:	(in.) 48
Maximum width of ditch vehicle will cross:	(in.) 74

Maximum vertical obstacle vehicle will climb:	(in.) 36
Fuel consumption (average conditions):	(mpg) 9
Cruising range (average conditions):	(mi) 155
Maximum allowable speed:	(mph) 60
Cruising speed: (mph) (1st—12; 2nd—25; 3rd—45)	
Maximum allowable towed load:	(lb) 24,500

ENGINE

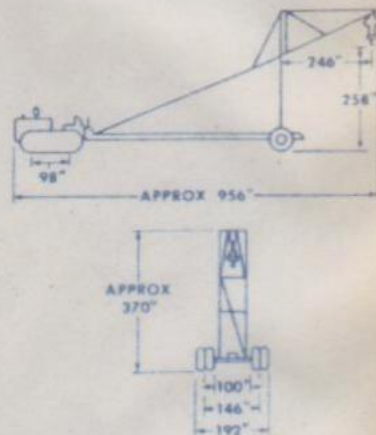
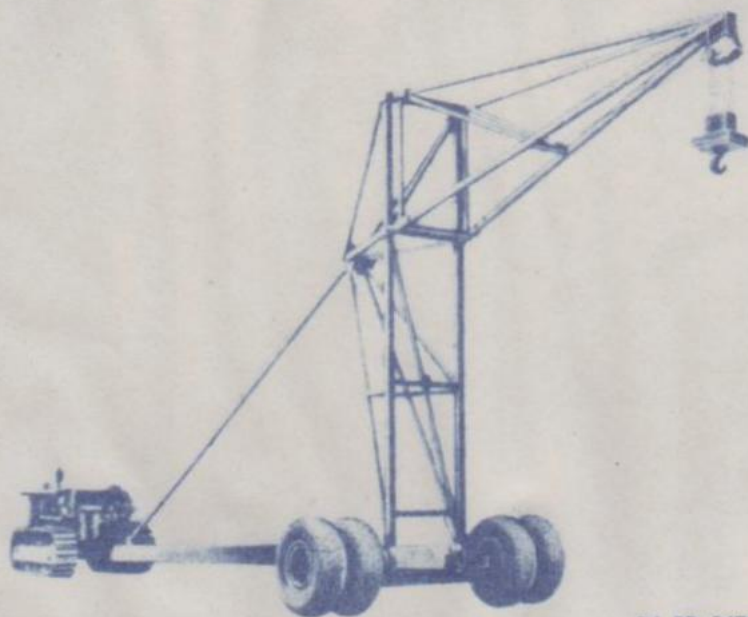
Manufacturer:	Continental	Model: R975C4
Type:	Radial; 4-cycle	No. of cylinders: 9
Displacement:		(cu in.) 97.5
Bore:		(in.) 5
Stroke:		(in.) 5 1/2
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		400 at (rpm) 2,400
Torque:		940 ft. lb at (rpm) 1,700
Type of ignition:		2 Magnetos

ADDITIONAL DATA

*When used as prime mover, 42 rounds 3 in.

Section VIII. Cranes

CRANE, MOBILE, 30,000 LB CAPACITY



Technical Manuals: Commercial
Parts and Instruction Manuals

RA PD 347366

Manufacturers: Tractor, Caterpillar, Crane—
R. G. LeTourneau Inc.
Make of vehicle illustrated: As above.

Classification: Standard.

Purpose: Used by AAF for lifting complete airplanes and
airplane structures weighing up to 30,000 pounds.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—47,500
Shipping dimensions: Uncrated	(cu ft) 3,930.3; (sq ft) 1,274.6
Ground clearance:	(in.) 10½
Pintle height (loaded)	(in.) 17½
Ground pressure: Tractor (psi) 8.2; Crane	(psi) 21
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 69
Cooling system	(gal) 28
Crankcase (refill)	(qt) 29
Transmission and differential	(qt) 40
Final drive (each)	(qt) 26
Winch	(qt) 20
Load capacity	(lb) 30,000
Brakes:	Contracting band
Transmission: Speeds	6 forward; 2 reverse
(Gear ratio: High—1.1)	
Final drive: Speeds	1

PERFORMANCE

Turning radius (ft):	Right—40; left—40
Fuel consumption (average conditions):	(mpg) 1
Cruising range (average conditions):	(mi) 70
Cruising speed: (mph):	
(1st—1.1; 2nd—2.2; 3rd—2.5; 4th—3.0; 5th—3.6; 6th—4.9)	

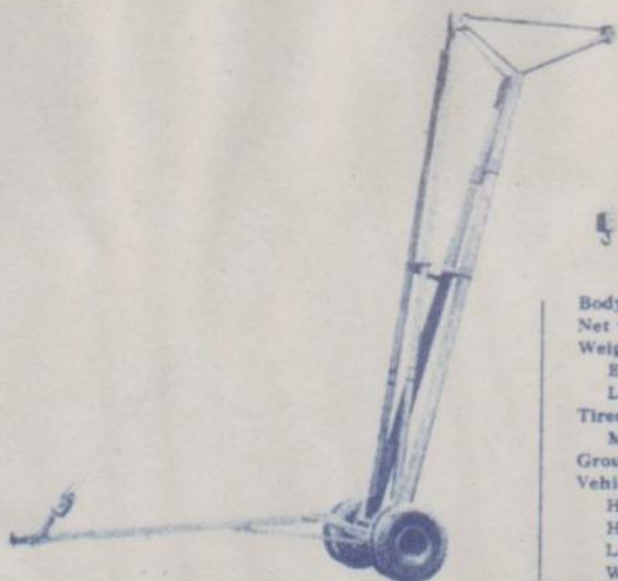
ENGINE

Manufacturer: Caterpillar	Model D-8
Type: Diesel (water cooled)	No. of cylinders (in line) 6
Displacement:	(cu in.) 1,246
Bore:	(in.) 5½
Stroke:	(in.) 8
Maximum governed speed:	(rpm) 950
Net horsepower:	126 at (rpm) 950
Torque:	825 ft.-lb. at (rpm) 750-800
Type of ignition:	Solid injection

ADDITIONAL DATA

Crane has four tires (2 wheel) (2 dt) No. of plies	20
Size	18.00-24
Crane is noncollapsible, and must be disassembled for shipment.	
Approximate shipping dimensions of all parts grouped in smallest arrangement:	
Length	(in.) 710
Width	(in.) 192
Height	(in.) 130
Cubic feet	10,500
Square feet	946

**CRANE, NON-REVOLVING, PNEUMATIC TIRED, WHEEL MOUNTED,
TRACTOR OPERATED, 20,000 LB AT 10 FT RADIUS, 30 FT BOOM**



Manufacturer: R. G. Le Tourneau, Inc.
Make of vehicle illustrated: Le Tourneau Model AD,
3w, dual tires.
Purpose: Used by Corps of Engineers to lift and carry
loads up to 20,000 lb.

Technical Manual: 5-9230

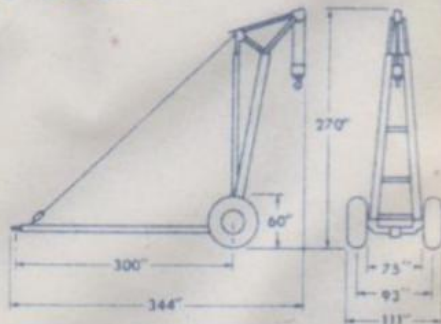
Body type	Special purpose
Net weight (lb): Net 5,770	Payload—20,000
Weight distribution (lb):	
Empty	Axle—5,770
Loaded	Axle—25,770
Tires: Ply—16	Size—14.00 x 20
Maximum cool pressure	Operating 2
Ground clearance	(in.) 45
Vehicle dimensions	
Height (over-all)	(in.) 393
Height (w/o boom)	(in.) 20
Length (upright)	(in.) 310
Width	(in.) 114
Gage	
Outside to outside of tires	(in.) 114
Inside to inside of tires	(in.) 86
Shipping dimensions, assembled vehicle	(cu ft) 759
Towing vehicles to be used: Any tractor with 2-drum control unit.	

**CRANE, NON-REVOLVING, PNEUMATIC TIRED, WHEEL MOUNTED,
TRACTOR OPERATED, 40,000 LB CAPACITY
AT 3 FT 6 IN. RADIUS, 20 FT BOOM**



RA PD 347279

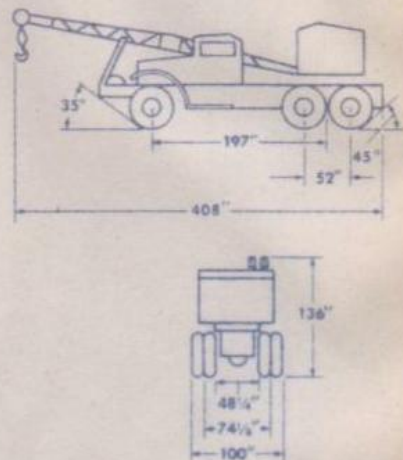
Manufacturer: R. G. Le Tourneau Inc.
Classification: Standard.
Make of vehicle illustrated: Le Tourneau Model M20.
Purpose: Used by Corps of Engineers to lift and carry
loads up to 40,000 lb.



Technical Manual: 5-9060

Body type	Special purpose
Weight (lb): Net—7,300	Payload—40,000
Weight distribution (lb):	
Empty	Axle—7,300
Loaded	Axle—47,300
Tires: Ply—20	Size—18.00 x 24
Maximum cool pressure	Operating—2
Ground clearance	(in.) 40
Vehicle dimension: Height (over-all) w/o boom	(in.) 15
Towing vehicles to be used:	(in.) 60
Any tractor with 2-drum power control unit	
Shipping dimensions, assembled vehicle:	
	(cu ft) 1,287.2; (sq ft) 257.4

CRANE, REVOLVING, TRUCK MOUNTED, PNEUMATIC TIRED, 2-ENGINE DRIVE, 4 TO 8-TON, CLASS X



RA PD
347204

Manufacturers: Truck—Brockway Motor Co., Inc.;
Shovel Crane—Quick-Way Truck Shovel Co.
Classification: Standard.

Purpose: Used by Corps of Engineers to provide mobile facilities for crane, shovel, dragline, clamshell and pile-driver operations.

GENERAL TRUCK DATA

Crew	1
Weight (lb):	Gross—33,100
Rear axle: Gear ratio	7.33:1
Axle load (lb): Loaded	Front—9,100; rear—*12,000
Tires: Ply—14; Size—12.00 x 20; Pressure (lb)—Front—80; rear—80	
Tread, center to center (front)	(in.) 73 1/2
Shipping dimensions: Uncrated	(cu ft) 25,000; (sq ft) 2,970
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height (center of hook)	(in.) 38 1/2
Electrical system: (each)	(volts) 6
No. of batteries	2
Capacities:	
Fuel (70 octane gasoline)	(gal) 118
Cooling system	(qt) 58
Crankcase (refill)	(qt) 20
Air compressor	(qt) 1 1/2
Transfer case	(qt) 6 3/4
Transmission	(qt) 10
Differentials (qt)	Front—10; rear—20
Winch (load capacity)	(lb) 25,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.54:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	
*12,000 lb on each.	

PERFORMANCE

Maximum computed gradability:	(per cent) 96
Turning radius (ft):	Right—44; left—43
Fording depth:	(in.) 33
Fuel consumption (loaded):	(mpg) 2.5
Forcing range (loaded):	(mi) 306
Allowable speed:	(mph) 37

ENGINE

Manufacturer: Hercules	Model HXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	202 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

GENERAL CRANE DATA

Capacities:	
Cooling system	(qt) 48
Crankcase (refill)	(qt) 11

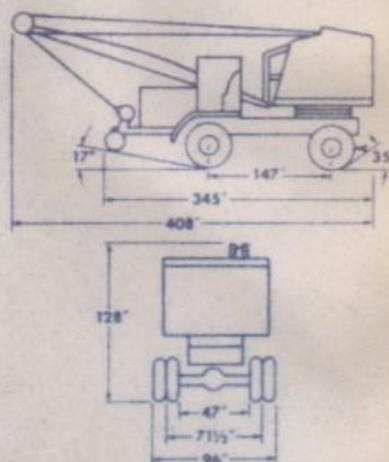
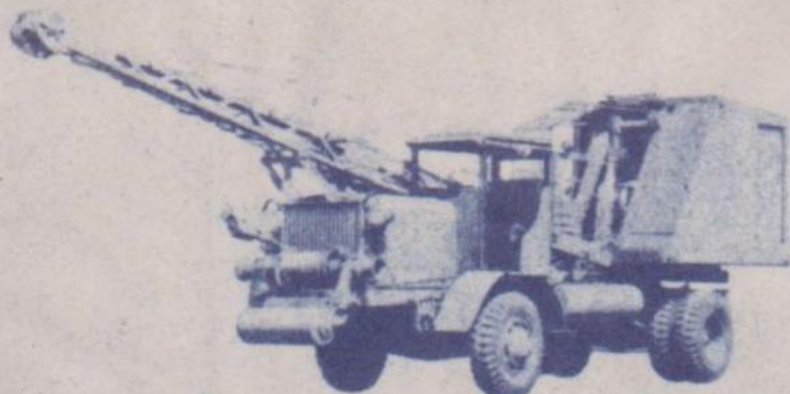
ENGINE

Manufacturer: International	Model U-9
Type: 4-cycle	No. of cylinders 4
Displacement:	(cu in.) 334.5
Bore:	(in.) 4.4
Stroke:	(in.) 5.5
Maximum governed speed:	(rpm) 1,200
Brake horsepower:	35
Type of ignition:	Magneto

PERFORMANCE

Shovel (boom at 45°):	
Clear dumping height	(in.) 138
Dumping radius	(in.) 202
Digging radius at floor level	(in.) 156
Digging depth below floor level	(in.) 35
Crane, (25' boom) maximum loads with outriggers:	
10' radius	(lb) 13,000
15' radius	(lb) 10,500
20' radius	(lb) 8,000
25' radius	(lb) 5,500

CRANE, TRUCK MOUNTED, GASOLINE ENGINE DRIVEN, $\frac{3}{8}$ CU YD (MOUNTED ON COLEMAN 4 x 4 TRUCK CHASSIS)



RA PD 347290

Manufacturers: Truck—Coleman Motors Co.; Shovel-Crane, Trailer—Quick-Way Truck Shovel Co.
Make of vehicle illustrated: Quickway Model E-55 on Coleman, 4-ton, 4 x 4 Truck Chassis, trailer attached.

Classification: Limited standard.

Purpose: Used by Corps of Engineers to provide mobile facilities for crane, shovel, dragline, clamshell and pile driver operations.

GENERAL TRUCK DATA

Crew:	2
Weight (lb):	Gross—25,200
Axle load (lb): Loaded	Front—10,350; rear—14,850
Tires: 5; Ply—12; Size—10.00 x 20; Pressure (lb)—Front—80; rear—80	
Tread, center to center (in.):	Front—72
Shipping dimensions: Uncrated	(cu ft) 2,901.3; (sq ft) 272
Vehicle dimensions:	
*Length (over-all) without boom	(in.) 345
Ground clearance	(in.) 10
Pintle height (empty)	(in.) 38½
Electrical system:	(volts) 12
No. of batteries (6 volts each)	2
Capacities:	
Fuel (70 octane gasoline)	(gal) 50
Cooling system	(qt) 48
Crankcase (refill)	(qt) 10
Transfer case	(qt) 7
Transmissions (qt)	Main—6; auxiliary—6
Differentials (2)	(qt) 10
Winch	(qt) 2
Winch (load capacity)	(lb) 12,000
Brakes: Manufacturer—Bendix-Westinghouse	Air
Transmission: Speeds	Forward—5

PERFORMANCE

Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 46
Fuel consumption (loaded):	(mpg) 5
Cruising range (loaded):	(mi) 250
Allowable speed:	(mph) 53

ENGINE

Manufacturer: Buda	Model LO-525
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 522
*Length (overall) w/ trailer 736 in.	

Bore:	(in.) 4½
Stroke:	(in.) 5½
Maximum governed speed:	(rpm) 2,100
Brake horsepower:	125 at (rpm) 2,100

GENERAL CRANE DATA

Capacities:	
Cooling system	(qt) 48
Crankcase (refill)	(qt) 11
Gear cases (2) each	(qt) 2

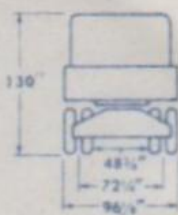
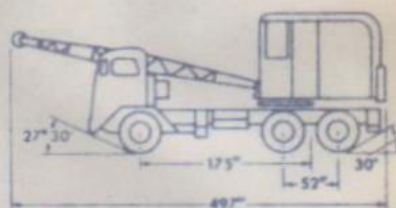
ENGINE

Manufacturer: International	Model U-9
Type: 4-cycle	No. of cylinders 4
Displacement:	(cu in.) 334.5
Bore:	(in.) 4.4
Stroke:	(in.) 5.5
Maximum governed speed:	(rpm) 1,200
Brake horsepower:	35
Type of ignition:	Magneto

PERFORMANCE

Shovel (boom at 45°):	
Clear dumping height	(in.) 138
Dumping radius	(in.) 202
Digging radius at floor level	(in.) 156
Digging depth below floor level	(in.) 35
Crane, (25' boom) maximum loads with outriggers:	
10' radius	(lb) 13,000
15' radius	(lb) 10,500
20' radius	(lb) 8,000
25' radius	(lb) 5,500

CRANE, TRUCK MOUNTED (6 x 4 CARRIER), GASOLINE ENGINE DRIVEN, 3/4 CU YD



RA PD 347348

Manufacturer: Thew Shovel Co.
Purpose: Used by Corps of Engineers as a power tool.

Make of vehicle illustrated: Thew Shovel Co., MC3
Moto-Crane.

GENERAL DATA

Crew (driver and crane operator)	2
Weight (complete unit) lb.	Gross—42,000
Rear axles:	Gear ratio—9.25:1
Axle load (lb)	Loaded: front—8,520; rear (each)—16,740
Tires: Ply—12; Size—10.00 x 20; Pressure (lb):	Front—75; rear—75
Tread, center to center	Front (in.) 78 5/8
Shipping dimensions (uncrated):	(cu ft) 3,838; (sq ft) 331.3
Ground clearance	(in.) 10.5
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (carrier and turntable)	(gal) 50
Cooling system	(qt) 48
Crankcase	Refill (qt) 6
Transmission	Main (qt)—8; auxiliary (qt)—4
Differentials	Each (qt)—6
Brakes:	Manufacturer—Bendix-Westinghouse; Type—air
Dimensions	(in.) 6
Transmission: Speeds	5
(Gear ratio: High—0.77:1; Low—6.52:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.58:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 27.7
Turning radius (ft)	Right—39; left—42
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 5
Cruising range (loaded):	(mi) 250
Allowable speed:	(mph) 30

ENGINE

Manufacturer: Chrysler	Model C-36
Type: L-head, 4 cycle	No. of cylinders (in line) 8
Displacement:	(cu in.) 323.5
Bore:	(in.) 3 1/4
Stroke:	(in.) 3 3/4
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	120 at (rpm) 3,000
Torque:	244 ft-lb at (rpm) 1,600

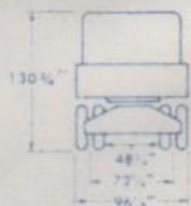
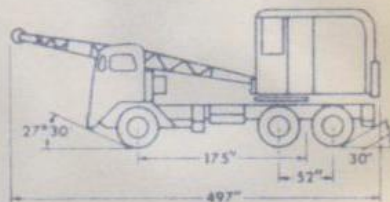
ADDITIONAL DATA

Turntable data:	
Engine—Chrysler	Model C-36
Type—L-head, 4 cycle	No. of cylinders (in line) 8
Displacement:	(cu in.) 323.5
Bore	(in.) 3 1/4
Stroke	(in.) 3 3/4
Governed idle speed	(rpm) 1800
Brake horsepower	79
Torque:	243 ft lb at 1700 (rpm) full load speed
Capacities:	
Cooling system	(qt) 32
Crankcase (refill)	(qt) 6
Electrical system:	(volts) 6
No. of batteries	1

CRANE, TRUCK MOUNTED (6 x 4 CARRIER), GASOLINE ENGINE DRIVEN, 3/4 CU YD



RA PD 347347



Manufacturer: Thew Shovel Co.
Purpose: Used by Corps of Engineers as a power tool.

Make of vehicle illustrated: Thew Shovel Co. MC-4
Moto-Crane.

GENERAL DATA

Crew: (Driver and crane operator)	2
Weight (lb): Complete unit	Gross—45,160
Rear axle: Gear ratio	9:1
Axle load (lb):	
Loaded: Front—7,980	Rear (each)—18,590
Tires: Ply—10; Size—10.00 x 20; Pressure (lb)	Front—75; rear—75
Tread, center to center	(front) (in.) 78 1/2
Shipping dimensions: Un-rated	(cu ft) 3,838; (sq ft) 331.3
Vehicle dimensions, crane in traveling position	
Ground clearance	(in.) 10
Electrical systems:	(volts) 12
No. of batteries	(6 volt) 2
Capacities:	
Fuel (carrier and turntable)	(kw) 50
Cooling system	(qt) 32
Crankcase (refill)	(qt) 10
Transmission (qt)	Main—12; auxiliary—4
Differentials (qt)	Each 10
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—3 1/2
Transmission: Speeds	9
(Gear ratio: High—direct; Low—8.07:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.98:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 41
Turning radius (ft)	Right—30; left—42
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 4
Cruising range (loaded):	(mi) 200
Allowable speed:	(mph) 30

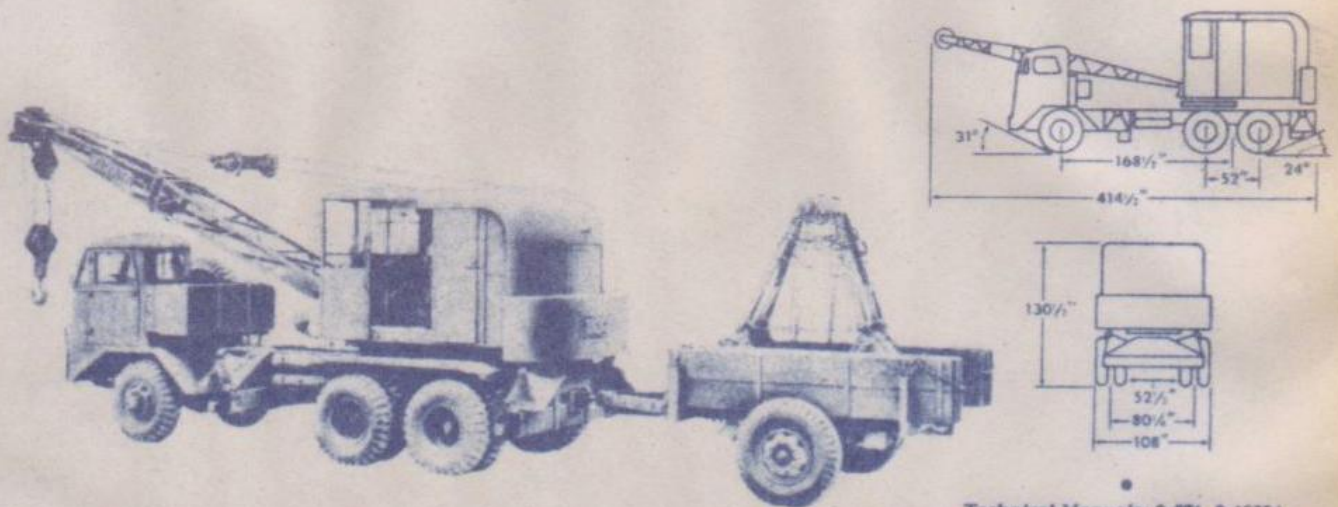
ENGINE

Manufacturer: Waukesha Motor Co.	Model 6 SRKR
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 317
Bore:	(in.) 4 1/2
Stroke:	(in.) 3 1/2
Maximum governed speed:	(rpm) 2,100
Brake horsepower:	125 at (rpm) 2100
Torque:	370 ft. lb. at (rpm) 900

ADDITIONAL DATA

Turntable data:	
Engine—Chrysler, Model—C 36; 4-cycle, 8 cylinders in line	
Displacement—323.5 cu in.; Bore—3 1/4 in.; Stroke—3 1/2 in.	
Governed idle speed—1850 rpm; Brake horsepower—79; Torque—243 ft. lb. at 1700 rpm full load speed.	
Capacities: Cooling system—32 qt.; Crankcase—5 qt.	
Electrical system:	(volts) 12
No. of batteries	2

CRANE, TRUCK MOUNTED, M2, AND TRAILER, CLAMSHELL, M16



RA PD 347343

Technical Manuals: 9-771, 9-1825A,
9-1826C, 9-1827A, 9-1828A, 9-1829A
Parts List: SNL G-172

Manufacturers: Phew Shovel Company. Trailer: Gramm Truck and Trailer Corp.

Classification: Standard.

Purpose: To provide mobility for crane equipment.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—52,700
Rear axle: Gear ratio:	8.43:1
Axle load (lb): Loaded:	Front—8,640; rear (each)—22,030
Tires:	
10; Ply—14; Size—12.00 x 20; Pressure (lb)—Front—85; rear—85	
Tread, center to center (in.):	Front—75
Shipping dimensions: Uncrated:	(cu ft) 3380.7; (sq ft) 310.8
Ground clearance:	(in.) 11
Pintle height (loaded):	(in.) 33
Electrical system:	(volts) 12
No. of batteries:	(6 volt) 2
Capacities:	
Fuel (70 octane gasoline):	(gal) 100
Cooling system:	(qt) 64
Crankcase (refill):	(qt) 16
Transfer case:	(qt) 4
Transmission:	(qt) 11
Differential (qt):	(each) 10
Brakes: Manufacturer—Timken-Bendix Westinghouse:	Type—air
Dimensions:	(in.) 5 1/2
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—6.54:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—45; left—47 1/2
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 2
Cruising range (loaded):	(mi) 200

Allowable speed:	(mph) 30
Maximum recommended towed load:	(lb) 14,000

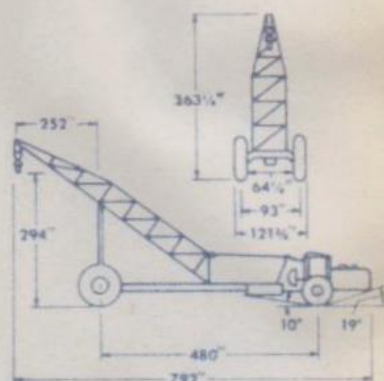
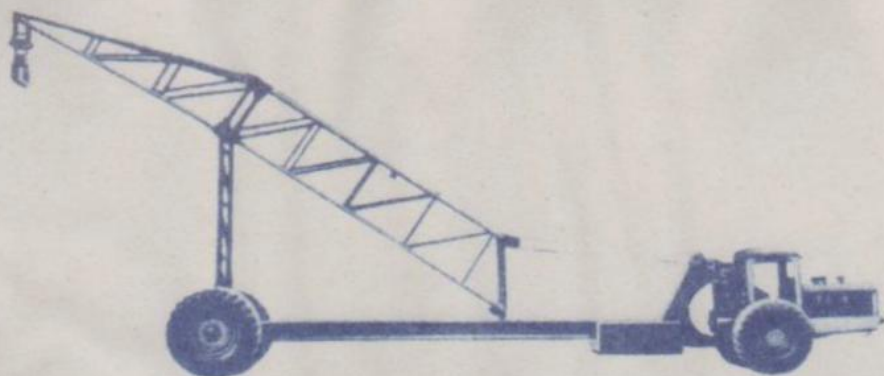
ENGINE

Manufacturer: Hercules:	Model HXC
Type: L-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 779
Bore:	(in.) 5 1/4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,100
Brake horsepower:	179 at (rpm) 2,100
Torque:	555 ft-lb at (rpm) 900

ADDITIONAL DATA

Turntable engine:	
Manufacturer—Waukesha; Model—MZR high octane head;	
Type—gasoline; No. cylinders, 6 in line; Displacement—404 cu in.;	
Bore—4 1/4; Stroke—4 1/4; Governed idle speed—1,375 rpm; Brake horsepower—70 at 1,375; Torque—270 ft-lbs at 1,375 rpm.	
Capacities:	
Fuel tank (gal) 50; Cooling system (qt) 32; Crankcase (qt) 11	
Electrical system: Volts—6; 1 battery.	

HOIST, MOBILE COLLAPSIBLE, 35,000 LB CAPACITY, TYPE B-1



RA PD 347367

Manufacturers: R. G. LeTourneau, Inc.
Make of vehicle illustrated: LeTourneau, Inc.

Classification: Standard.
Purpose: Used by AAF for lifting complete airplanes and airplane structures weighing up to 35,000 pounds.

GENERAL DATA

Crew:	2	
Weight (lb): Net—46,720	Payload—35,000	Gross—81,720
Rear axle: Gear ratio	(Tractor) 2.941:1	
Axle load (lb):		
Loaded	Front—20,560; rear—61,160	
Empty	Front—20,560; rear—26,160	
Tires: 4; Ply—Front, 20; Rear, 24; Size—Front, 21 x 24; Rear, 24 x 32		
Pressure (lb):	Front—40; rear—45	
Tread, center to center (in.):	Front—74	
Shipping dimensions: Uncrated	(cu ft) 8,430; (sq ft) 670	
Loading height:	(in.) 151	
Ground clearance:	(in.) 21	
Electrical system:	(volts) 12-24	
No. of batteries	(6-volt) 4	
Capacities:		
Fuel (45 cetane Diesel fuel oil)	(gall) 75	
Crankcase (refill)	(qt) 20	
Transmission (main)	(qt) 11	
Final drive	(qt) 140	
Winch	(qt) 12	
Load capacity	(lb) 35,000	
Brakes: Manufacturer—LeTourneau	Type—band steering	
Dimensions (O.D.)	(in.) 18 1/4	
Transmission: Speeds	4	
(Gear ratio: High—1.00:1; Low—5.55:1)		

PERFORMANCE

Turning radius (ft):	Right—43; left—43
Fuel consumption (empty)	(mpg) 3
Cruising range (empty)	(mi) 225
Allowable speed	(mph) 14

ENGINE

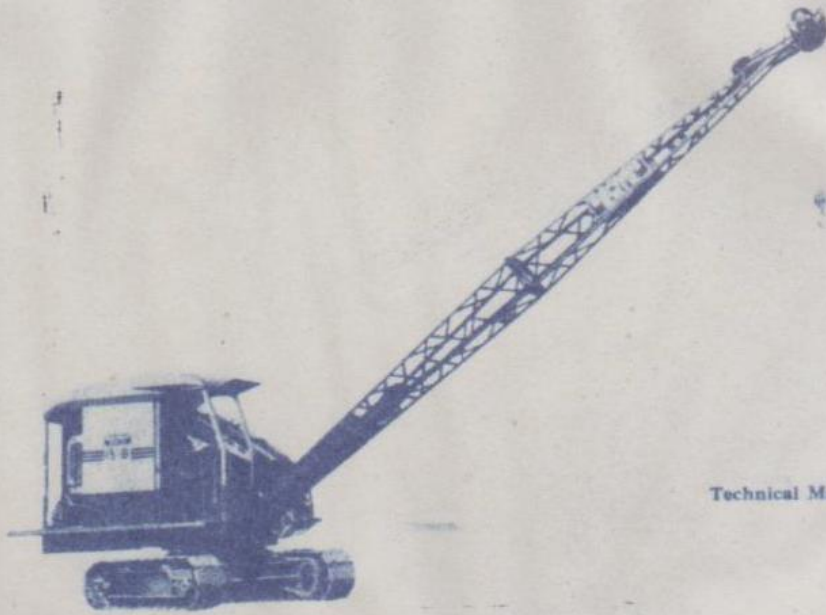
Manufacturer: Cummins	Model HB1D 600
Type: Diesel, water cooled	No. of cylinders (in line) 6
Displacement:	(cu in.) 672
Bore:	(in.) 4 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 1,800
Brake horsepower:	150 at (rpm) 1,800
Torque:	440 lb-ft at (rpm) 1,800

ADDITIONAL DATA

Tractor is 2 x 2—permanently attached to crane.

**CRANE, REVOLVING, CRAWLER MOUNTED,
GASOLINE (AND DIESEL) ENGINE DRIVEN, 1/2 CU YD
5 TO 6-TON, CLASS II**

R & V - H K G S
S I S T R E E R D



Technical Manuals: 5-1162, 5-1170

Manufacturer: Bucyrus Erie Co

Classification: Standard.

Make of vehicle illustrated: Bucyrus Erie, Model 15B.
Purpose: Used by Corps of Engineers for excavating, trenching, pile driving, and craning.

GENERAL DATA

Crew:	Crane operator	
Weight (working):	(lb)	29,500
Shipping dimensions: Uncrated	(cu ft) 943.7; (sq ft) 97.7	
Ground clearance:	(in.)	13 1/4
Ground pressure:	(lb per sq in.)	8.0
Electrical system:	(volts)	6
No. of batteries:		1
Capacities:		
Fuel (Gasoline)	(gal)	39
Cooling system	(qt)	26
Crankcase (refill)	(qt)	6
Transmission and differential	(qt)	32

PERFORMANCE

Crane rigging: (machine on level ground) 30' boom.		
10 ft radius	(lb)	13,580
25 ft radius	(lb)	3,810
30 ft radius	(lb)	2,930
Tail swing (with counterweight)	(in.)	97
Shovel rigging (boom at 45°):		
Clear dumping height:	(in.)	165
Dumping radius (at max. dumping height):	(in.)	228
Dumping radius (at maximum):	(in.)	246
Digging radius (at floor level):	(in.)	192
Digging depth (below ground level):	(in.)	69
Fuel consumption (average conditions): (mi. per gal. 100 hours)		300
Maximum allowable speed:	(mph)	93

ENGINE

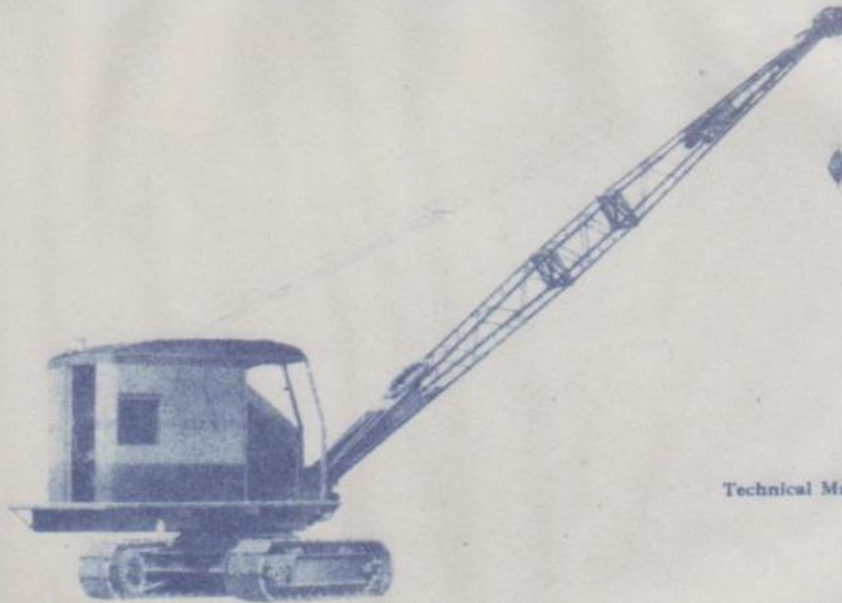
Manufacturer: Buda	Model HP-326
No. of cylinders:	6

Displacement:	(cu in.)	325.4
Bore:	(in.)	3 1/4
Stroke:	(in.)	4 1/4
Maximum governed speed:	(rpm)	1,325
Brake horsepower:	55 at (rpm)	1,330
Type of ignition:		Magneto

ADDITIONAL DATA

Crane rigging: dimensions as follows—	
Boom	(in.) 420
Pile driver rigging:	
Boom (length)	(ft) 30
Hammer weight	(lb) 1800
Leads (length)	(ft) 28 1/2

CRANE, REVOLVING, CRAWLER MOUNTED, GASOLINE ENGINE DRIVEN, $\frac{3}{4}$ CU YD, 7 TO 10-TON, CLASS III



Technical Manuals: 5-1197, 5-1198

Manufacturer: Bucyrus Erie Co.
Classification: Standard.

Make of vehicle illustrated: Bucyrus Erie Model 22B.
Purpose: Used by Corps of Engineers for excavating, trenching, pile driving.

GENERAL DATA

Crew:	(Operator)	1
Weight as shovel:	(lb)	42,325
Shipping dimensions (uncrated):		
Basic unit only	(cu ft) 1,350; (sq ft)	130.7
Ground clearance:	(in.)	14
Ground pressure (for dragline):	(lb per sq in.)	8.0
Capacities:		
Fuel (gasoline)	(gal)	48
Cooling system	(qt)	26
Crankcase (refill)	(qt)	6
Transmission: Speeds	Forward	1

PERFORMANCE

Shovel rigging (boom at 45°):		
Clear dumping height	(in.)	186
Dumping radius (at max dump height)	(in.)	261
Digging radius at floor level	(in.)	207
Digging depths below floor	(in.)	84
Crane rigging (machine on level ground—40 ft boom):		
Maximum loads: 12 ft radius—18,300 lb; 25 ft radius—6,600 lb; 35 foot radius—4,150 lb		
Speed	(mph)	.93

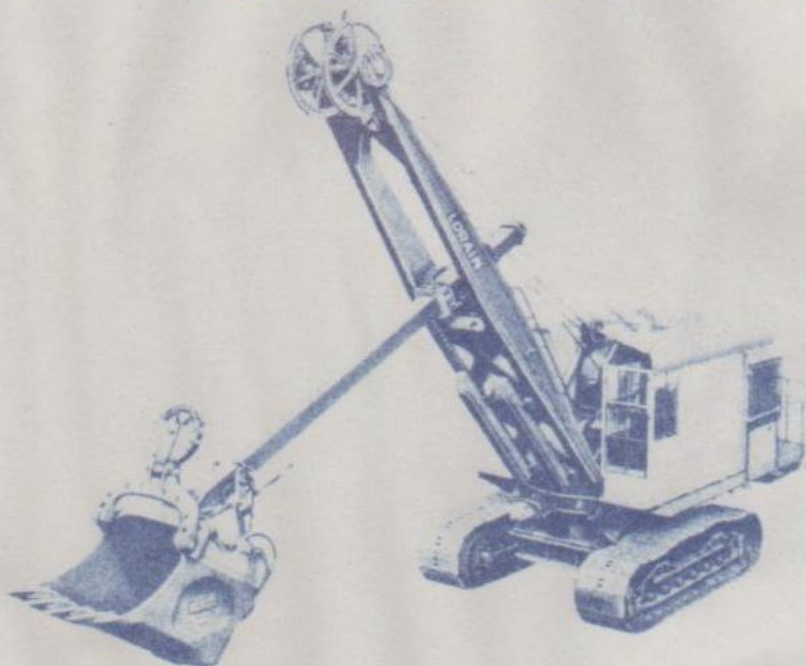
ENGINE

Manufacturer: Chrysler	Model	C-36
Type	Gasoline	
No. of cylinders		8
Bore	(in.)	3 $\frac{1}{2}$
Stroke	(in.)	4 $\frac{1}{2}$
Maximum governed speed	(rpm)	1,400
Brake horsepower (gross)	140 at (rpm)	3,600

ADDITIONAL DATA

Manufacturers (Diesel engine models):	
Harnischfeger Corp.; Link Belt Speeder Corp.; Lima Locomotive Works; Northwest Engineering Co.	
Manufacturers: (Gasoline engine models):	
Buckeye Traction Ditcher Co.; Bucyrus Erie Co.; Harnischfeger Corp.; Lima Locomotive Works, Inc.; Thew Shovel Co.; Bay City Shovels, Inc.; Osgood Co.; Byers Machine Co.; Koehring Co.	
Crane rigging: (boom length)	(in.) 480
Boom line cable	$\frac{1}{2}$ in. by 170 ft
Holding line cable	$\frac{1}{2}$ in. by 130 ft
Crossing line cable	$\frac{1}{2}$ in. by 130 ft
Tag line cable	$\frac{1}{2}$ in. by 90 ft
Pile driver rigging:	
Pile driver leads	(ft) 33 $\frac{1}{2}$
Pile driver hammer (weight)	(lb) 3,000
Cables for pile driver:	
Hammer	$\frac{1}{2}$ in. by 110 ft
Pile	$\frac{1}{2}$ in. by 110 ft

**CRANE, REVOLVING, CRAWLER MOUNTED,
DIESEL ENGINE DRIVEN, 1 3/4 TO 2 CU YD,
30 . TO 40-TON, CLASS V**



Manufacturer: Thew Shovel Co.

Make of vehicle illustrated: Thew Model L-82.

Purpose: Used by Corps of Engineers for excavating, trenching and pile driving.

GENERAL DATA

Crew	(Operator)	1
Weight as shovel	(lb)	103,000
Shipping dimensions (uncrated):		
Basic unit only	(cu ft) 1,860; (sq ft)	197.4
Ground clearance	(in.)	10 1/2
Ground pressure as shovel	(lb per sq in.)	11.44
Capacities:		
Fuel tank (Diesel)	(gal)	64
Cooling system	(gal)	35
Crankcase	(qt)	29
Transmission: Speeds	Forward	2

PERFORMANCE

Shovel rigging (boom at 45°):		
Clear dumping height	(in.)	210
Dumping radius (at max dump height)	(in.)	315
Digging radius at floor level	(in.)	273
Digging depth below floor	(in.)	100
Crane rigging (machine on level ground—50 ft boom):		
Maximum loads: 12 ft radius—59,800 lb; 25 ft radius—20,800 lb; 50 ft radius—8,400 lb		
Maximum speed (mph)	Low—3.4; high—1.5	

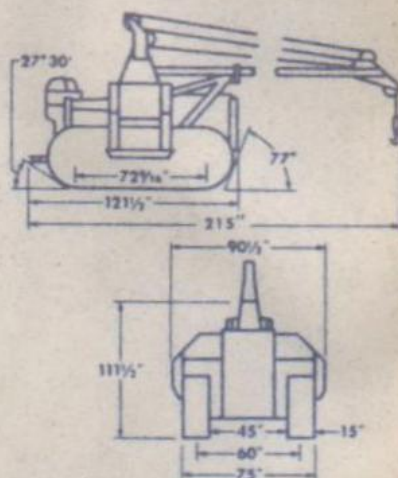
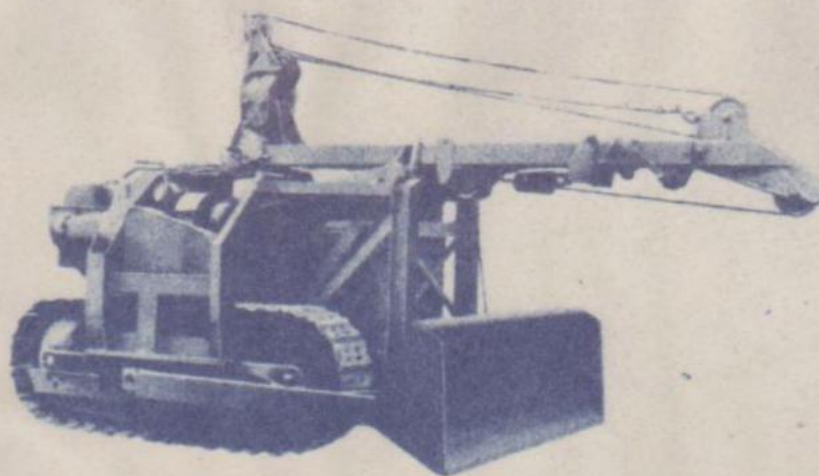
ENGINE

Manufacturer: Caterpillar	Model D—13,000
Type	Diesel
No. of cylinders	6

Bore	(in.)	5 1/2
Stroke	(in.)	8
Governed full load speed	(rpm)	950
Brake horsepower		142
Displacement	(cu in.)	1,246

ADDITIONAL DATA

**CRANE, REVOLVING, TRACTOR MOUNTING, CRAWLER TYPE,
DIESEL ENGINE DRIVEN, 5,000 LB CAPACITY AT
7 FT RADIUS, 12 TO 18 FT BOOM, TELESCOPIC**



Technical Manual: 5-3226

Manufacturers: International Harvester Co., Chicago,
Model TD-9. Crane: Trackson Co., Milwaukee, Wis.,
Model CT-9.

Make of vehicle illustrated: International Harvester
Company; Tractor with Trackson crane.

Purpose: Used to perform towing and lifting operations.

GENERAL DATA

Crew:	1
Weight:	(lb) 19,000
Shipping dimensions: Uncrated:	(cu ft) 1,308 (sq ft) 142
Ground clearance:	(in.) 10 1/2
Drawbar height:	(in.) 14 1/2
Ground pressure:	(lb per sq in.) 8.7
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel Diesel:	(gal) 31
Cooling system:	(qt) 54
Crankcase (refill):	(qt) 11
Transmission and differential:	(qt) 20
Final drive cases (each):	(qt) 1 1/2
Crane (load capacity at 7 ft. radius):	(lb) 5,000
Brakes: Two, mechanical, external band type, 2 1/2 in wide; on each steering clutch drum	
Transmission: Speeds:	5

PERFORMANCE

Maximum allowable speed:	(mph) 5.3
Cruising speed (mph):	
(1st—1.5; 2nd—2.2; 3rd—3.0; 4th—3.9; 5th—5.3)	

ENGINE

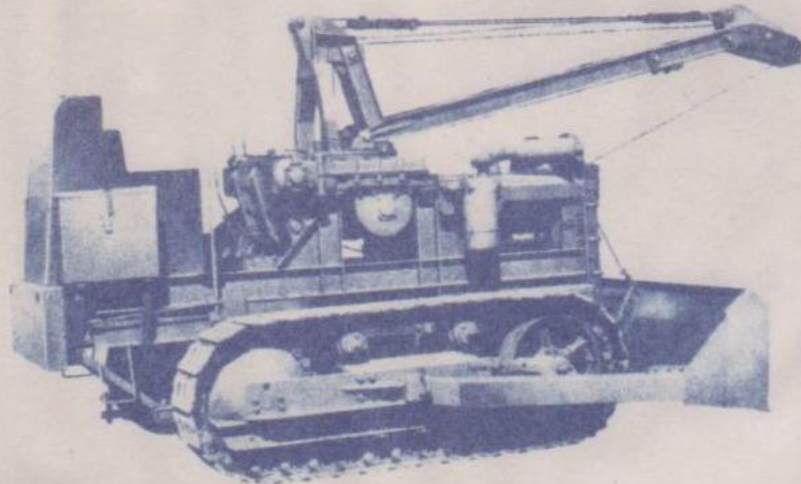
Manufacturer: International Harvester Co., (gasoline) Model UD 9	
Type:	4-cycle, valve-in-head
No. of cylinders:	(in line) 4
Displacement:	(cu in.) 334.5
Bore:	(in.) 4.4
Stroke:	(in.) 5.5
Maximum governed speed:	(rpm) 1,400

Brake horsepower:	51.5 at (rpm) 1,400
Maximum torque:	209 ft-lb at (rpm) 900
Type of ignition:	Compression

ADDITIONAL DATA

Bulldozer provided with crane. Boom 12 to 18 ft (telescopic):
12'—5,000 lb max; 16'—4,000 lb; 18'—2,000 lb.

**CRANE, REVOLVING, TRACTOR MOUNTING, CRAWLER TYPE,
DIESEL ENGINE DRIVEN, 10,000 LB CAPACITY AT
8 FT RADIUS, 12 TO 18 FT BOOM, TELESCOPIC**



Manufacturers: International Harvester Co., Model TD-14. Crane: Hughes-Keenan Co., Model MC2R.

Make of vehicle illustrated: International Harvester Co., tractor with Hughes-Keenan Crane.
Purpose: Used to perform towing and lifting operations.

GENERAL DATA

Crew	(Operator)	1
Weight	(lb)	24,000
Ground clearance	(in.)	11½
Drawbar height	(in.)	13½
Ground pressure	(lb per sq in.)	9.5
Electrical system	(volts)	12
No. of batteries		2
Capacities:		
Fuel	(gal)	45
Cooling system	(qt)	80
Crankcase (refill)	(qt)	16
Transmission and differential	(qt)	26
Final drive cases (ea)	(qt)	2½
Crane (load capacity at 8 ft radius)	(lb)	10,000
Brakes	Mechanical, external-band type	
Transmission: Speeds	Reverse—2; forward—6	
Speed (mph): 1st—1.5; 2nd—2.1; 3rd—2.5; 4th—3.4; 5th—4.8; 6th—5.8. Reverse: low—1.5; high—3.4.		
Maximum drawbar pull	(lb)	13,426

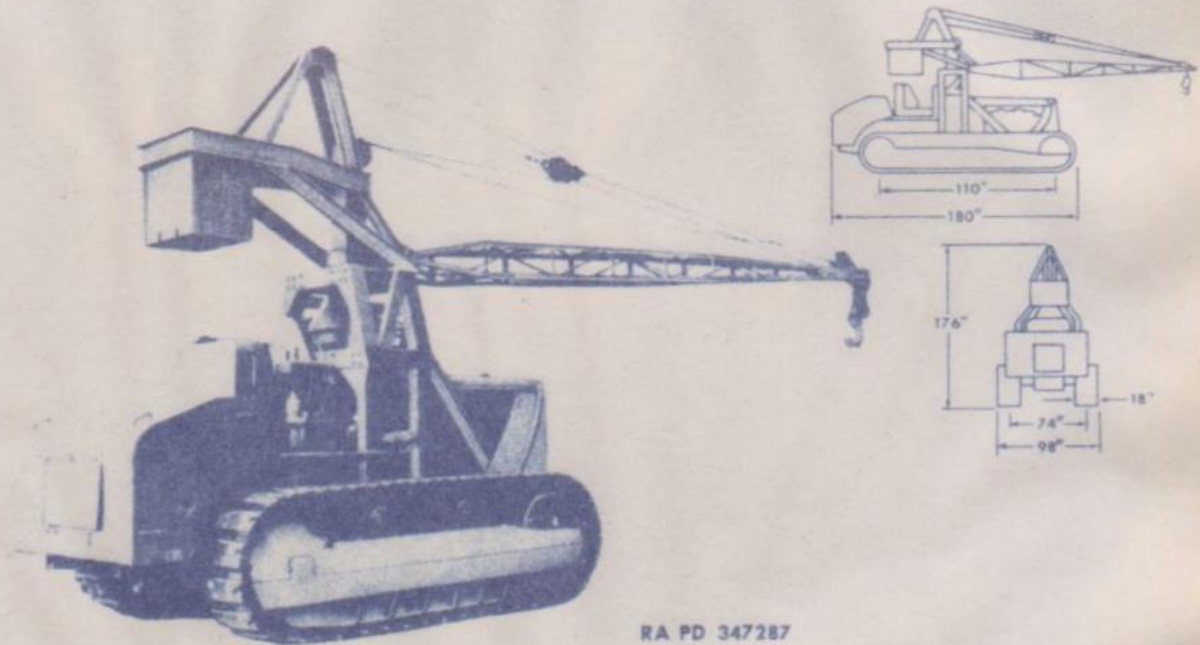
ENGINE

Manufacturer: International Harvester	Model UD-14
Type	4-cycle Diesel
No. of cylinders	4
Displacement	(cu in.) 466.7
Bore	(in.) 4½
Stroke	(in.) 6½
Rated governed speed	1,350
Drawbar horsepower	54
Type of ignition	compression

ADDITIONAL DATA

Bulldozer provided with crane.

CRANE, REVOLVING, TRACTOR MOUNTING, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 12,000 LB CAPACITY AT 8 FT RADIUS



RA PD 347287

Manufacturers: Caterpillar Tractor Co.; Crane: Cardwell Crane Co.
Classification: Standard.

Make of vehicle illustrated: Caterpillar Tractor Company.
Purpose: Used by Army Air Forces to lift aircraft engines into engine mounts.

GENERAL DATA

Crew	1
Weight (lb)	Gross—41,845
Shipping dimensions (uncrated)	(cu ft) 1,770; (sq ft) 120
Ground clearance	(in.) 15½
Ground pressure	(lb per sq in.) 10.5
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 65
Cooling system	(qt) 72
Crankcase (refill)	(qt) 22
Transmission	(qt) 40
Final drives (each)	(qt) 24
Brakes	Contracting band
Transmission: Speeds	5
(Gear ratio: High—592:1; Low—2,545:1)	
Final drive: Gear ratio	9.93:1

PERFORMANCE

Maximum gradability	(per cent) 40
Turning radius	(ft) 11
Fording depth	(in.) 35
Fuel consumption (average conditions):	
Without towed load	(mpg) 1.5
Cruising range (average conditions)	(mi) 100
Maximum allowable speed	(mph) 6
Cruising speed (mph):	
(1st—1.4; 2nd—2.2; 3rd—3.2; 4th—4.6; 5th—6)	
Maximum allowable towed load	(lb) 21,351

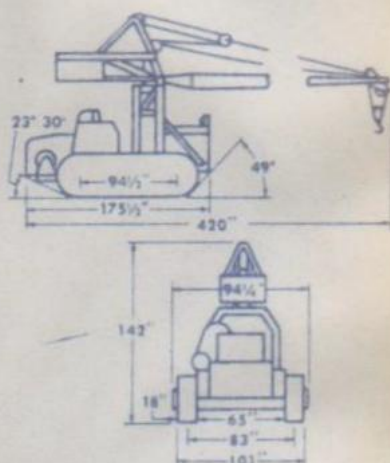
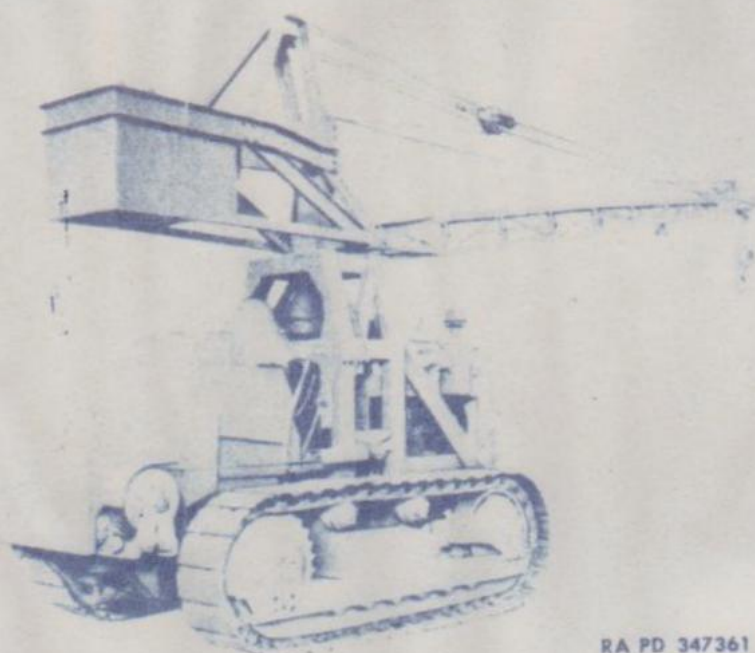
ENGINE

Manufacturer: Caterpillar	Model D7
Type: Diesel, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 831
Bore	(in.) 5½
Stroke	(in.) 8
Maximum governed speed	(rpm) 1,000
Net horsepower	99 at (rpm) 1,000
Torque	548 ft-lb at (rpm) 750
Type of ignition	Compression

ADDITIONAL DATA

Equipped with 2-cylinder, 4-cycle, vertical gasoline engine. 24 hp at 2,700 rpm. Fuel capacity 2 gallons.
Maximum lifting capacity 17,900 pounds at 10-foot radius. Boom traverse 300 deg. Hoisting speed, 15 ft per minute.

**CRANE, REVOLVING, TRACTOR MOUNTING, CRAWLER TYPE,
DIESEL ENGINE DRIVEN, 12,000 LB CAPACITY AT
12 FT RADIUS, 30 FT BOOM**



RA PD 347361

Manufacturers: International Harvester Co.; Crane:
Hughes-Keenan Co., MC2RH.

Make of vehicle illustrated: I. H. C. Model TD-18
w/Cardwell Crane.

Purpose: Used to perform towing and lifting operations.

GENERAL DATA

Crew:	1
Weight:	(lb) 43,375
Shipping dimensions: Uncrated	(cu ft) 1,664*; (sq ft) 120
Ground clearance (drawbar pin)	(in.) 14
Drawbar height:	(in.) 15 1/2
Ground pressure	(lb per sq in.) 12.8
Electrical system:	(volts) 12
No. of batteries (6-volt)	2
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 60
Cooling system	(qt) 108
Crankcase (refill)	(qt) 22
Transmission and differential	(qt) 30
Final drives (each)	(qt) 5
Gasoline tank (for starting)	(qt) 6
Crane (load capacity at 12 ft. radius)	(lb) 12,000
Brakes:	Mechanical—external band type, 4 in. wide
Transmission: Speeds	Reverse—2; forward 6
	(Gear ratio: High—1.014:1; Low—4.114:1)
Final drive:	
	(Gear ratio—Bevel gears, 3.917:1; bull gears—5.231:1)

PERFORMANCE

Turning radius (ft): (clearance to outside point, not considering boom)
Right—91 1/4; left—95 1/4

Fuel consumption (average conditions)	(mpg) 13 1/4
Cruising range (average conditions)	(mi) 105
Maximum allowable speed:	(mph) 5.7
Cruising speed (mph):	
(1st—1.5; 2nd—2.0; 3rd—2.5; 4th—3.3; 5th—4.6; 6th—5.7)	
Maximum drawbar pull (equipped with angle grousers) (lb)	17,000

ENGINE

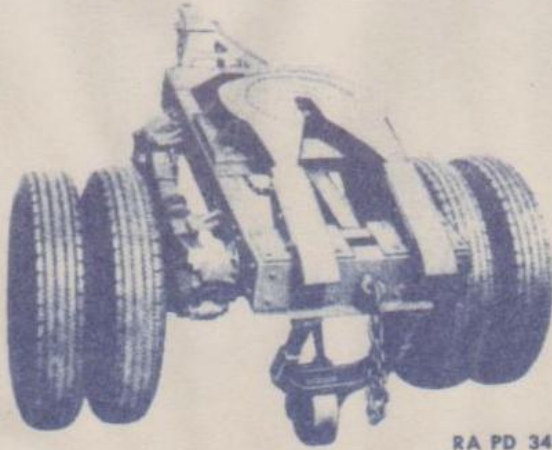
Manufacturer: I. H. C.	Model UD-18
Type:	Diesei, 4-cycle, precombustion chamber
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 691.1
Bore:	(in.) 4 1/4
Stroke:	(in.) 6 1/2
Maximum governed speed:	(rpm) 1,200
Brake horsepower:	88 at (rpm) 1,200
Type of ignition:	Compression

ADDITIONAL DATA

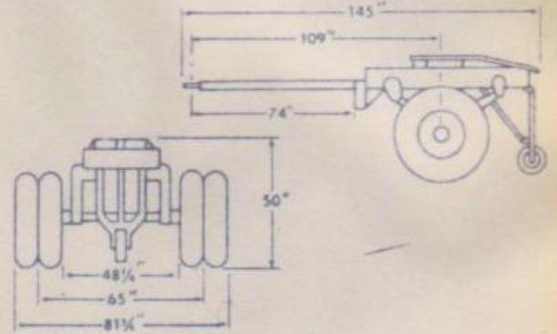
*Without 30 ft boom.

Section IX. Dollies

DOLLY, 2W, 2 DUAL TIRES, 4½-TON CAPACITY



RA PD 347160



Technical Manuals: 5-9068, 5-9156
Parts Lists: ENG 7-D59 and
ENG 8-D59

Manufacturers: Dart Truck Co.; Hobbs Mfg. Co.

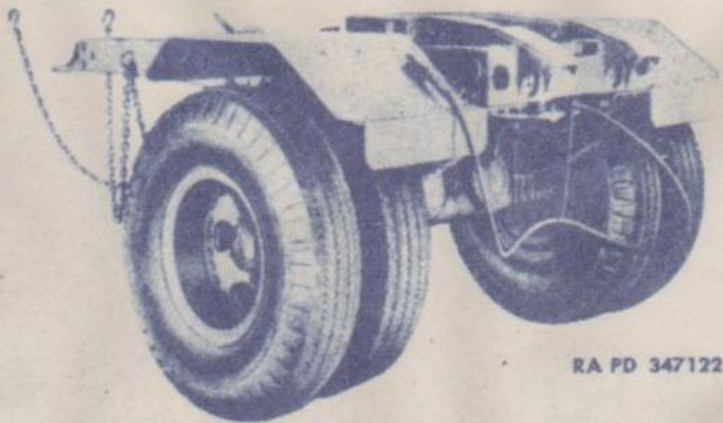
Classification: Standard.

Make of vehicle illustrated: Dart Truck Co., Model 40.

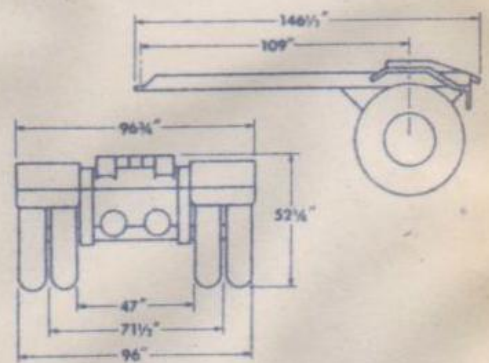
Purpose: Used by Corps of Engineers to convert semi-trailers to full trailers (Pugmill mixer).

Weight (lb):			
Net—2,900	Payload—9,000 (approx.)	Gross—11,900	
Tires: Ply—8	Size—7.50 x 20	Operating—4	
Maximum cool pressure (lb)		(in.) 55	
Ground clearance:		(in.) 18	
Brakes: Service—Bendix-Westinghouse	Type—air	Parking—hand	
Towing vehicles to be used:	Any suitable prime mover		
Shipping dimensions, assembled vehicle:	(cu ft) 247;	(sq ft) 53.4	
Fifth wheel: Size 36 in.;	Type, Austin—Rigid mounted—Dolly type		

DOLLY, 2W, 7-TON PAYLOAD



RA PD 347122



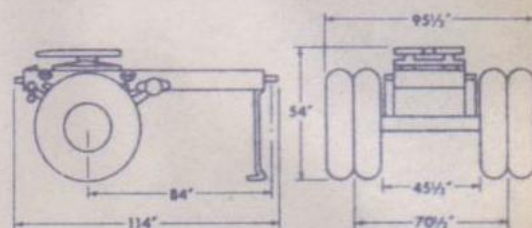
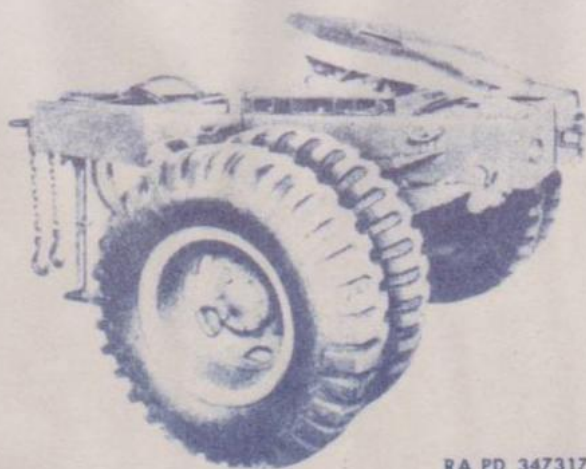
Technical Manual: 5-9070

Manufacturers: Deere & Co.; Electric Wheel Co.; Fruehauf Trailer Co.; Trailer Co. of America.
Classification: Standard.
Make of vehicle illustrated: Deere & Co.
Purpose: Used by Corps of Engineers to convert 10- and 25-ton pontoon semitrailers to full trailers.

Weight (lb): Uncrated—
Net—3,600.....Payload—14,000 approx.....Gross—17,600

Weight distribution (lb):		
Empty	Lunette—200; axle—3,400	
Loaded	Lunette—300; axle—17,300	
Loading height:	(in.) 52¼	
Tires: Ply—14	Size—12.00 x 20	Operating—4
Maximum cool pressure	(lb) 60	
Ground clearance:	(in.) 18½	
Brakes: Service—Bendix-Westinghouse	Type—air	
Towing vehicles to be used:	Any suitable prime mover	
Shipping dimensions, assembled vehicle:	(cu ft) 428.5;	(sq ft) 98.4
Fifth wheel: Size 36 in.	Type—rigid	

DOLLY, 10-TON, 2W, TRAILER CONVERTER, M365



Technical Manuals: 9-892, 9-1827A
Parts List: SNL G-676

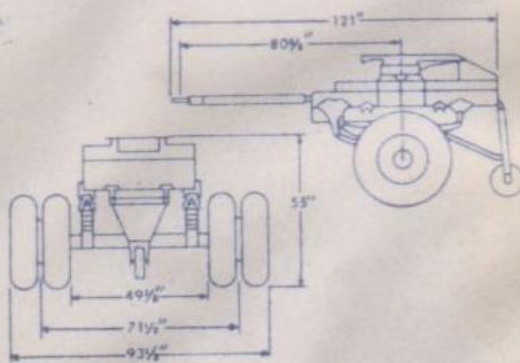
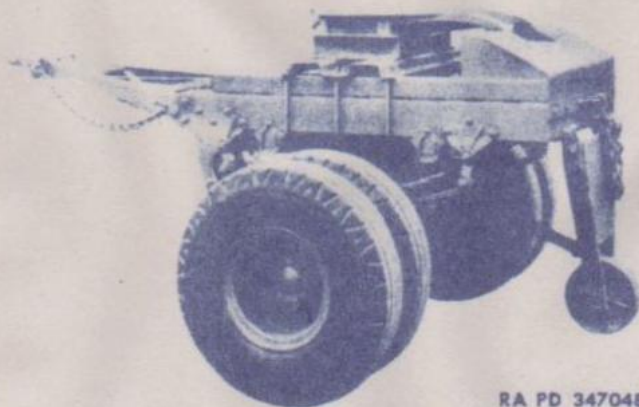
RA PD 347317

Manufacturer: Fruehauf Trailer Company.
Classification: Standard.
Purpose: To convert semitrailer, cargo, 10-ton, to full trailer.

Weight (lb):
Unrated—Net—3,380 Payload—12,520 Gross—15,900
Loading height: (in.) 53

Tires: Ply—14 Size—11.00 x 20 Operating—4
Maximum cool pressure: (lb) 80
Ground clearance: (in.) 16
Brakes: Service—air
Towing vehicles to be used: Any prime mover of 1 1/2-ton capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 340.2 (sq ft) 75.6
Fifth wheel: Size 33 in. Type A-O-106

DOLLY, 2W, TRAILER CONVERTER, WRECKING, TYPE C-2



Technical Order: AN 19-25-46

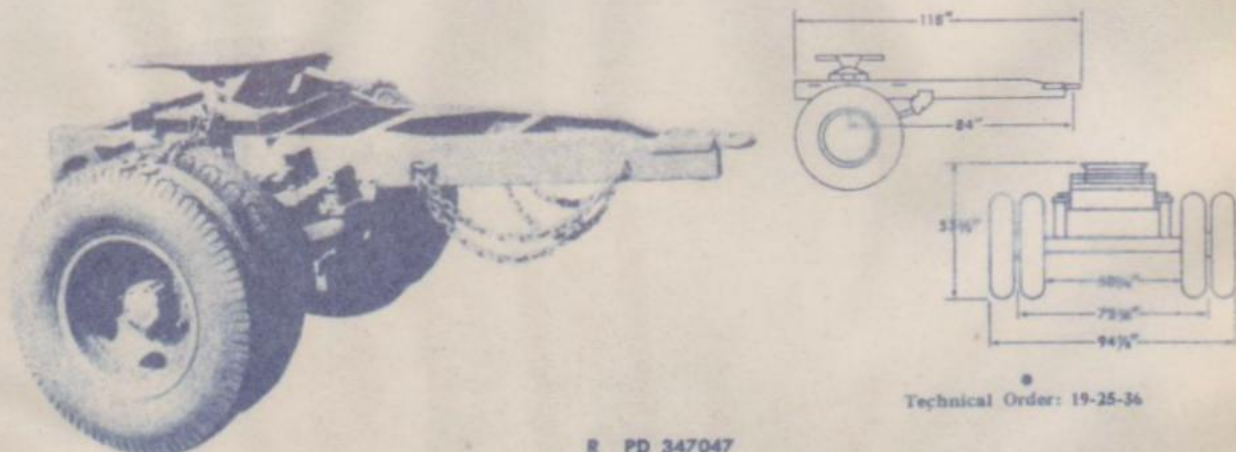
RA PD 347048

Manufacturer: Trailer Company of America.
Classification: Standard.
Purpose: Used by Army Air Forces to convert the type C-2 semitrailer to full trailer so it can be towed by any prime mover.

Weight (lb): Net—2,500 Payload—13,000 Gross—15,500
Weight distribution (lb):
Empty—Lunette, 100 Axle—2,400
Loaded—Lunette, 230 Axle—15,270

Loading height: (in.) 55
Tires: Ply—12 Size—10.00 x 15 Operating—4
Maximum cool pressure: (lb) 70
Ground clearance: (in.) 15 1/2
Towing vehicles to be used: Any prime mover of same capacity as truck tractor, wrecker type C-2, or greater.
Shipping dimensions, assembled vehicle: (cu ft) 362; (sq ft) 81.6
Center of kingpin to center of axle (ahead): (in.) 1
Fifth wheel: Size—33 in. Type—Interchangeable (Dayton)

DOLLY, 2W, TRAILER CONVERTER, FUEL SERVICING, TYPE F-1 OR F-1A



R PD 347047

Manufacturer: Standard Steel Works.

Classification: Standard.

Purpose: Used by Army Air Forces to convert F-1 and F-1A fuel servicing semitrailer to full trailer so it can be towed by any Army prime mover.

GENERAL DATA

Weight (lb):
 Uncrated—Net—2,220 Payload—16,000 Gross—18,220
 Weight distribution (lb):
 Empty—Lunette, 200 Axle—2,020
 Loaded—Lunette, 200 Axle—18,020

Loading height: (in.) 53 1/2
 Tires: Ply—12 Size—10.00 x 22 Operating—4
 Maximum cool pressure: (lb) 70
 Ground clearance: (in.) 18 1/2
 Towing vehicles to be used: Truck-tractor, fuel servicing, type
 F-1, 7 1/2-ton, 6 x 6.
 Shipping dimensions, assembled vehicle: (cu ft) 345.7; (sq ft) 77.7
 Fifth wheel: Size 33 in. Type—Dayton and Model FWA
 Kingpin on center line of front axle.

DOLLY, 2W, TRAILER CONVERTER, FUEL SERVICING, TYPE F2 OR F2A



RA PD 347333

Manufacturers: Springfield Auto Works, Inc.; The Heil Co.

Classification: Standard.

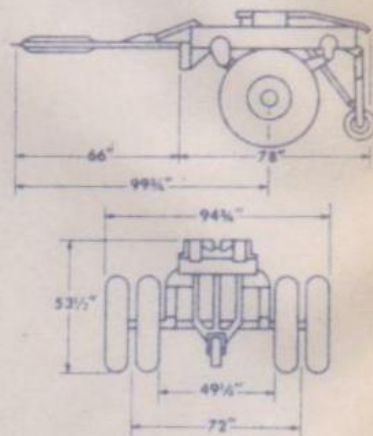
Make of vehicle illustrated: The Heil Co.

Purpose: Used by the Army Air Forces to convert fuel servicing semitrailer so it can be towed by an Army prime mover.

Weight (lb): Net—2,050 Payload—15,000 Gross—17,050

Loading height: (in.) 50 1/2
 Tires: Ply—10 Size—9.00 x 20 Operating—4
 Ground clearance: (in.) 15 1/2
 Towing vehicles to be used: With fuel servicing semitrailer hooked
 to truck or truck-tractor, 4-5-ton, 4 x 4.
 Shipping dimensions, assembled vehicle: (cu ft) 302.3 (sq ft) 71.3
 Length of drawbar from main frame: (in.) 8 1/2
 Fifth wheel: Size 30 in. diameter Non-universal

DOLLY, 2W, TRAILER CONVERTER, K-83



Parts List: SNL G-695

RA PD
346994

Manufacturer: Fruehauf Trailer Co.

Classification: Standard when part of radio set SCR-584.

Purpose: Used by Antiaircraft Artillery and Air Forces to convert semitrailer K-78 to full trailer.

DOLLY, 2W, TRAILER CONVERTER, K-83

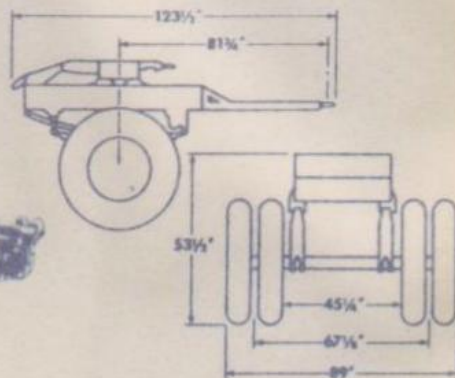
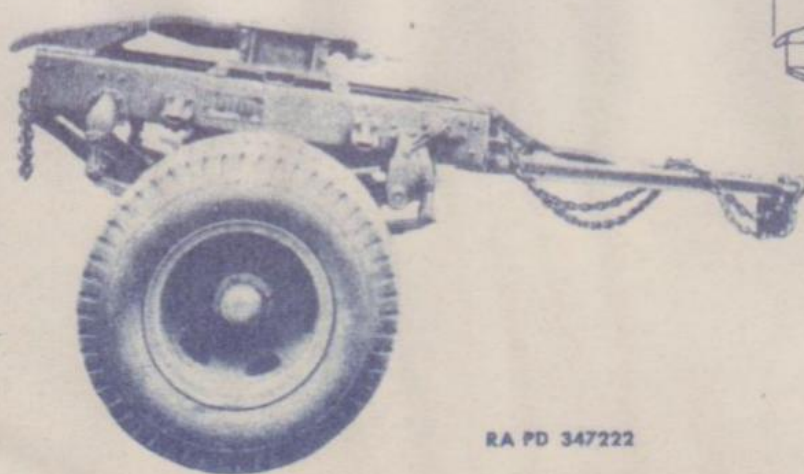
GENERAL DATA

Weight (lb):		
Net—3,000		Payload—16,000
Loading height:		(in.) 53 1/2
Tires: Ply—10	Size—9.00 x 20;	Operating— 4
	Maximum cool pressure (lb)	65
Ground clearance:		(in.) 15 1/4
Towing vehicles to be used:		Truck, 4-5 ton, 4 x 4, K-32
Shipping dimensions		
assembled vehicle:		(cu ft) 299; (sq ft) 52
Fifth wheel: Size 30 in.		Type—Rigid—semiautomatic

ADDITIONAL DATA

Hinged drawbar—optional hinge height, 40 and 32 inches. Lock provides rigid drawbar for transporting dolly with vehicle having 18-, 29-, or 40-inch pintle height. Equipped with taillights for protection when towed. Over-all length given with drawbar in upright position, and landing gear down.

DOLLY, TRAILER CONVERTER, TYPE A-3, FOR TECHNICAL SUPPLY, FIELD SHOP, AND INSTRUMENT SHOP



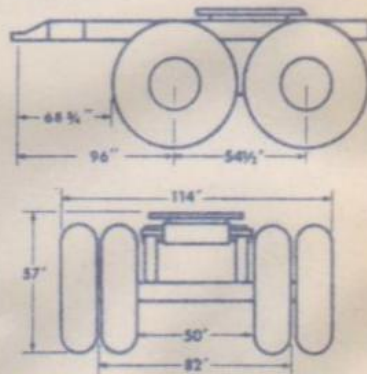
Technical Order No. 19-25-48

RA PD 347222

Manufacturer: Fruehauf Trailer Company.
 Classification: Standard.
 Purpose: Used by the AAF to convert semitrailers to full trailers.
 Weight (lb): Net—2,760 Payload—16,000 Gross—18,760

Tires: Ply—10 Size—9.00 x 20 Operating—4
 Maximum cool pressure (lb) 65
 Ground clearance: (in.) 17 1/2
 Towing vehicles to be used: Any Army Prime Mover, 1 1/2-ton rated capacity or larger.
 Shipping dimensions, assembled vehicle: (cu ft) 364; (sq ft) 69
 Fifth wheel: Size—28 in. Type—rigid mounting

DOLLY, 4W TANDEM, 4DT, M1

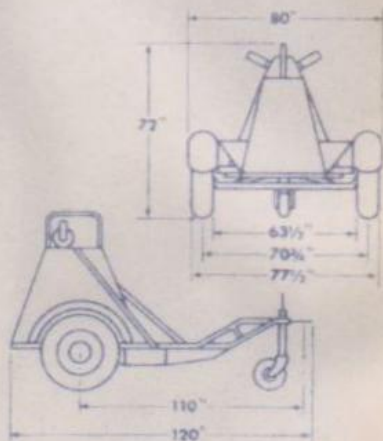
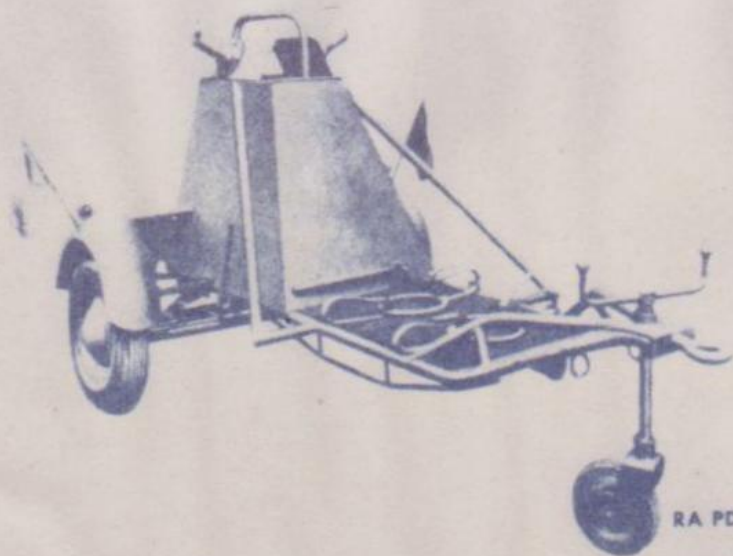


RA PD 347101

Manufacturers: Fontaine Truck & Equipment Co.; Winter-Weiss Co.; Eidel Manufacturing Co.
 Classification: Standard.
 Make of vehicle illustrated: Eidel Manufacturing Co.
 Purpose: Used by Corps of Engineers to convert the semi-trailer, low bed, front loading 20-ton to a full trailer.
 Weight (lb): Net—8,460 Payload—16,000 Gross—24,460

Weight distribution (lb): Empty Each axle—4,230
 Loaded Each axle—12,230
 Loading height: (in.) 57
 Tires: Ply—12 Size—14.00 x 20 Operating—8
 Maximum cool pressure (lb) 35
 Ground clearance: (in.) 19
 Brakes: Service—Bendix-Westinghouse Type—air
 Towing vehicles to be used: Truck, 6-ton, 6 x 6
 Shipping dimensions, assembled vehicle: (cu ft) 565.5; (sq ft) 119
 Fifth wheel: Size—30 in.; Type—side tilting

DOLLY, PROPELLER, TYPE C-1A



RA PD 346975

Manufacturer: General Bronze Corp.

Classification: Standard.

Purpose: Used by Army Air Forces to transport 3- or 4-blade propellers up to 14 feet in diameter.

Body type:

Welded sheet and tube steel

Weight (lb): Net—1,207 Payload—1,200 Gross—2,407

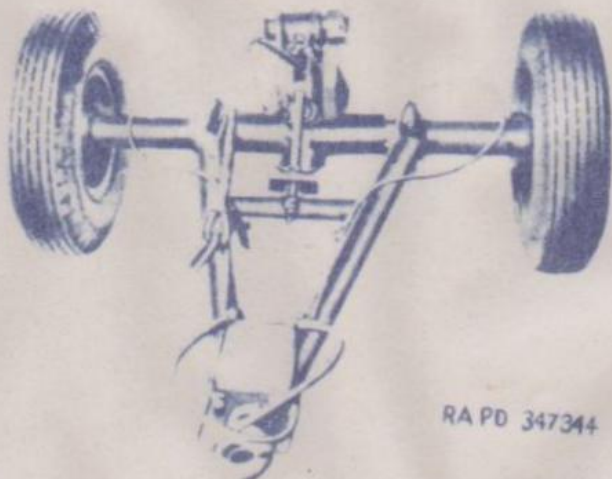
Tires: Ply—6 Size—6.50 x 16 Operating—2

Maximum cool pressure (lb) Rear—35

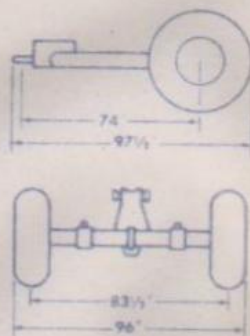
Towing vehicles to be used: Any Army truck with pintle hook

Shipping dimensions, assembled vehicle: (cu ft) 420; (sq ft) 66.75

LIMBER, CARRIAGE, HEAVY, M5



RA PD 347344



Technical Manual: 9-793

Parts List: SNI D24

Purpose: Used to convert Ammunition Trailer M23 to full trailer.

Tires: Ply—12; Size—11.00 x 20
Maximum cool pressure

Operating—2
(lb) 70

Weight (lb):

Weight—Trailer M23 connected (lb)

Empty

Loaded

Ground clearance:

Gross—1,880

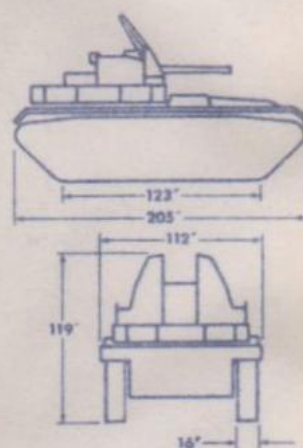
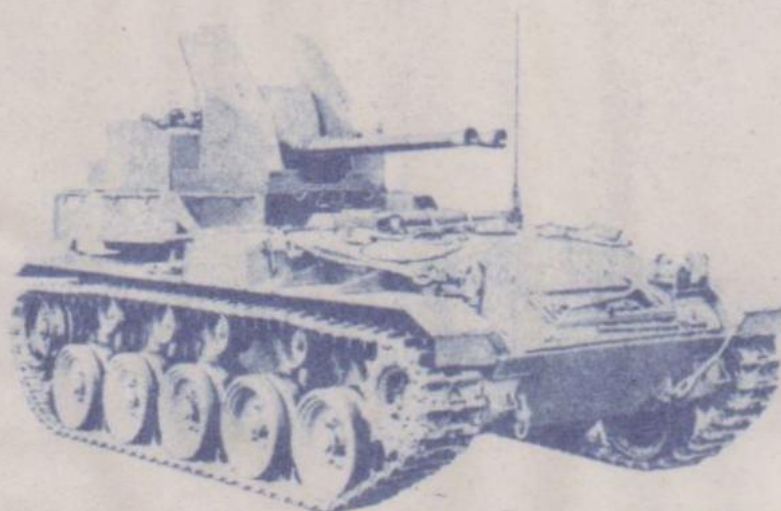
On limber—4,280

On lumber—7,880

(in.) 12 1/4

Section X. Gun and Howitzer Motor Carriages (full-track)

CARRIAGE, MOTOR, TWIN 40-MM GUN, M19



Technical Manuals: 9-757, 9-1727K,
9-1729A, 9-1729B, 9-1729C, 9-1825A,
9-1826A, 9-1829A
Parts List: SNL G-200

RA PD 347234

Manufacturer: Cadillac Motor Car Division (GMC).

Armament: 1 Gun, Twin 40-mm; 1 Gun, Sub-Machine,
cal. .45; 4 Carbines, cal. .30, M1; 1 Rifle, cal. .30.

Classification: Standard.

Ammunition: 352 rounds 40-mm; 480 rounds cal. .30 420
rounds cal. .45.

Purpose: To provide mobile anti-aircraft protection.

GENERAL DATA

Crew:	6
Weight (fighting):	(lb) 37,000
Shipping dimensions:	
Uncrated:	(cu ft) 1,581; (sq ft) 159.4
Ground clearance:	(in.) 17
Ground pressure:	(lb per sq in.) 9.4
Electrical system:	(volts) 12-24
No. of batteries:	4
Capacities:	
Fuel (70-80 octane gasoline):	(gal) 110
Cooling system (40 qts in each):	(qt) 80
Crankcase (refill):	(qt) 8
Transmission:	(qt) 15
Differential:	(qt) 20
Transfer case:	(qt) 4
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	4
(Gear ratio: High—direct: Low—3.93:1)	
Transfer case: Speeds:	2
(Gear ratio: High—1.03:1; Low—2.34:1)	
Final drive: Gear ratio:	2.55:1
Hull construction:	Homogeneous armor

PERFORMANCE

Maximum gradability:	(per cent)	60
Turning radius (ft):	Right—18; left—18	
Fording depth:	(in.)	42
Maximum width of ditch vehicle will cross:	(in.)	96
Maximum vertical obstacle vehicle will climb:	(in.)	36
Fuel consumption (average conditions):	(mpg)	3½
Cruising range (average conditions):	(mi)	96
Maximum allowable speed:	(mph)	35

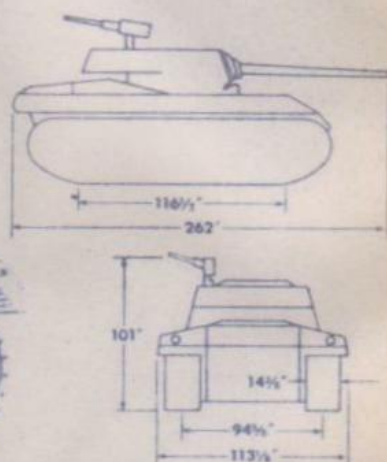
ENGINE

Manufacturer:	Cadillac (2 engines used)	Model	44T24
Type:	V8, 4-cyclic	No. of cylinders: (in line)	8
Displacement:		(cu in.)	349
Bore:		(in.)	3½
Stroke:		(in.)	4½
Maximum governed speed:		Not governed	
Brake horsepower:		110 at (rpm)	3,400
Torque:		240 ft-lb at (rpm)	1,200
Type of ignition:		Distributor	

CARRIAGE, MOTOR, 76-MM GUN, M18 (T70)



RA PD 347074



Technical Manuals: 9-755, 9-1725,
9-1731G, 9-1750D, 9-1755A, 9-1755B,
9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-163

Manufacturer: Buick Motor Division (GMC).
Armament: 1 gun, 76-mm, M1A1, M1A1C or M1A2;
1 gun, machine, cal. .50, M2, H.B.
Classification: Standard

Ammunition: 45 rounds, 76-mm; 1000 rounds, cal. .50;
450 rounds, cal. .30; 12 hand grenades; 4 smoke pots.
Purpose: To provide mobility and crew protection for
76-mm gun.

GENERAL DATA

Crew:	5
Weight (fighting)	(lb) 38,910
Shipping dimensions: Uncrated (cu ft) 1,360	(sq ft) 162
Ground clearance:	(in.) 14 1/2
Pintle height (loaded)	(in.) 25 1/4
Ground pressure	(lb per sq in.) 12.5
Electrical system:	(volts) 24
No. of batteries	(12-volt) 2
Capacities:	
Fuel (80 octane gasoline)	(gal) 169
Cooling system	Air cooled
Transmission and cooler	(qt) 48
Differential and transfer case including cooler	(qt) 20
Final drives (each)	(qt) 5
Oil tank	(qt) 44
Brakes:	Mechanical—controlled differential
Transmission: Speeds	3
(Gear ratio: High—direct; Low—4.105:1)	
Transfer case: Speeds	1
(Gear ratio: High—direct)	
Final drive: (Gear ratio: 2.176:1)	
Hull construction:	Rolled homogeneous; Turret—Cast and rolled homogeneous.
Communication system:	Radio and interphone

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—33; left—33
Fording depth:	(in.) 48
Maximum width of ditch vehicle will cross:	(in.) 74
Maximum vertical obstacle vehicle will climb:	(in.) 36
Fuel consumption (average conditions):	(mpg) .6

Cruising range (average conditions):	(mi) 105
Maximum allowable speed:	(mph) 45
Cruising speed (mph): 1st—12; 2nd—25; 3rd—45.	
Maximum allowable towed load:	(lb) 24,500

ENGINE

*Manufacturer: Continental; Model R975C4—from serial No. 1351 up

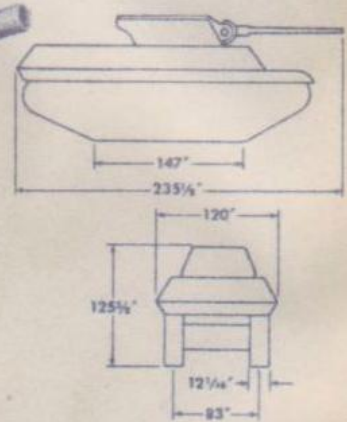
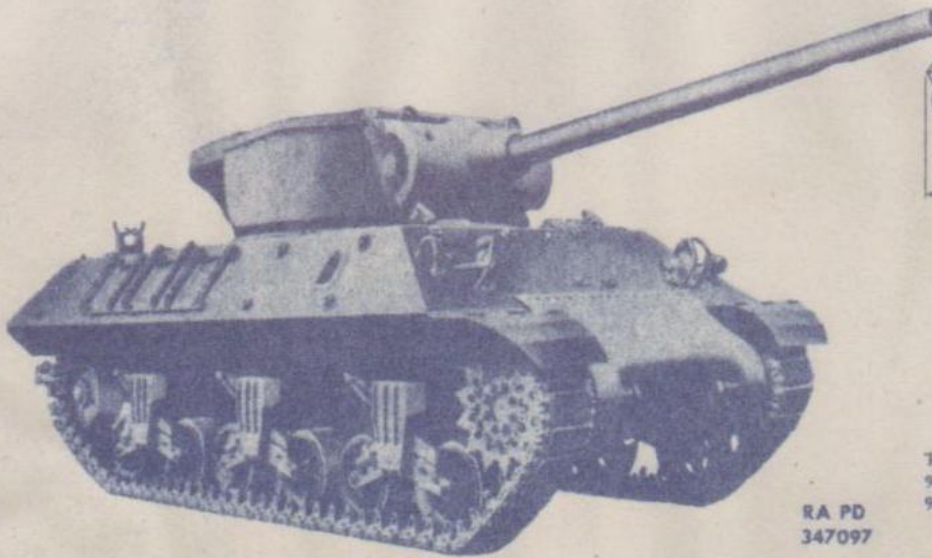
Type:	Radial, 4-cycle
No. of cylinders:	9
Displacement:	(cu in.) 973
Bore:	(in.) 5 1/2
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 2,400
Brake horsepower:	400 at (rpm) 2,400
Torque:	940 ft-lb at (rpm) 1,700
Type of ignition:	Magneto

ADDITIONAL DATA

*This vehicle from Serial No. 1 through 1350 uses Engine Model R975C1; changes in data are as follows:

Bore:	(in.) 5
Stroke:	(in.) 5 1/2
Brake horsepower:	350 at (rpm) 2,400
Torque:	840 ft-lb at (rpm) 1,800

CARRIAGE, MOTOR, 90-MM GUN, M36 (T71)



RA PD
347097

Technical Manuals: 9-758, 9-1731B,
9-1731G, 9-1750B, 9-1750L, 9-1825A,
9-1825B, 9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-210

Manufacturer: Fisher Tank Division (GMC).
Classification: Standard.
Armament: 1 gun, 90-mm, M3; 1 gun, machine, cal. .50,
M2, H.B.

Ammunition: 47 rounds, 90-mm; 1,000 rounds, cal. .50;
450 rounds, cal. .30; 12 hand grenades; 4 smoke pots.
Purpose: To provide mobility and crew protection for
90-mm gun in offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 61,000
Shipping dimensions:	
Uncrated:	(cu ft) 1,425; (sq ft) 137
Ground clearance:	(in.) 17 1/2
Pintle height (loaded):	(in.) 27 1/2
Ground pressure:	(lb per sq in.) 13.5
Electrical system:	(volts) 24
No. of batteries:	(12 volts) 2
Capacities:	
Fuel (80 octane gasoline):	(gal) 192
Cooling system:	(qt) 68
Crankcase (refill):	(qt) 32
Transmission, differential and final drives:	(qt) 172
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: (Gear ratio 2.84:1)	
Hull construction:	Rolled homogeneous
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 50
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 18
Fuel consumption (average conditions):	(mpg) .7
Cruising range (average conditions):	(mi) 110
Maximum allowable speed:	(mph) 26
Cruising speed: (mph) 1st—2; 2nd—6; 3rd—10; 4th—16; 5th—26	
Maximum allowable towed load:	(lb) 10,000

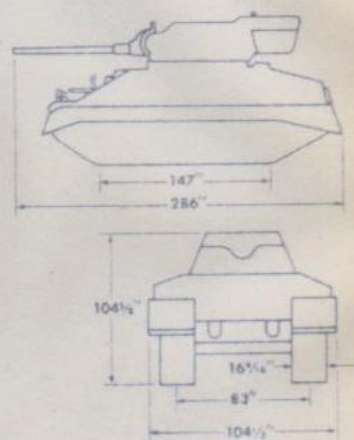
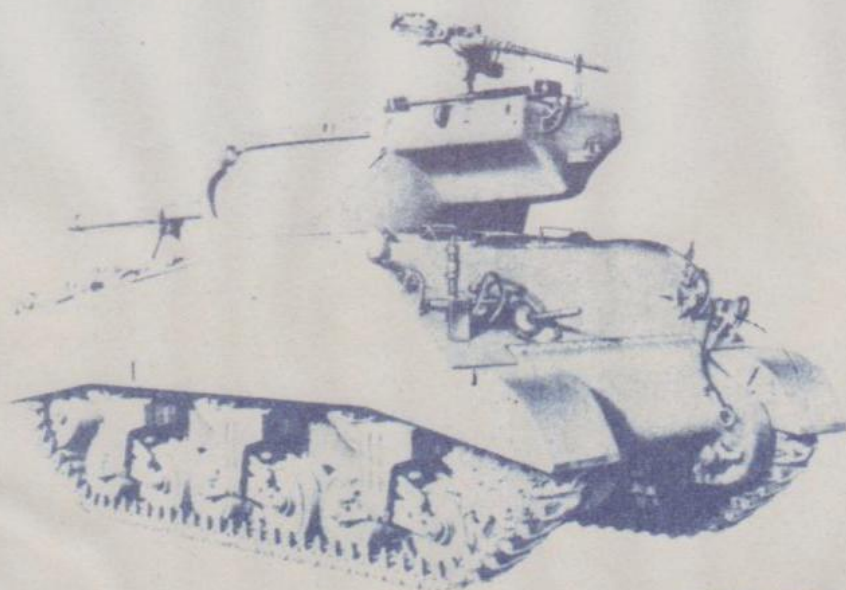
ENGINE

Manufacturer: Ford	Model GAA
Type: V-8	No. of cylinders 8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	450 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

Basic chassis—Carriage, Motor, 3 in. gun, M10A1.

CARRIAGE, MOTOR, 90-MM GUN, M36B1



Technical Manuals: 9-748, 9-1731B,
9-1731G, 9-1750K, 9-1750R, 9-1825A,
9-1825B, 9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-233

RA PD 347095

Manufacturer: Fisher Tank Division (GMC).

Classification: Substitute standard.

Armament: 1 gun, 90-mm, M3; 1 gun, machine, cal. .50,
M2, H.B.; 1 gun, machine, cal. .30, M1919A4.

Ammunition: 97 rounds, 90-mm; 1000 rounds, cal. .50;
2450 rounds, cal. .30; 12 hand grenades.

Purpose: To provide mobility for 90-mm gun, and crew
protection in offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 68,000
Shipping dimensions:	
Uncrated	(cu ft) 1,530; (sq ft) 166
Vehicle dimensions:	
Ground clearance	(in.) 17 1/2
Pintle height (loaded):	(in.) 27 1/2
Electrical system:	(volts) 24
No. of batteries	(12 volt) 2
Capacities:	
Fuel (80 octane gasoline)	(gal) 168
Cooling system	(qt) 56
Crankcase (refill)	(qt) 32
Transmission and differential	(qt) 164
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—73:1; Low—7.56:1)	
Final drive: (Gear ratio: 2.84:1)	
Hull construction:	Rolled homogeneous
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 1.7
Cruising range (average conditions):	(mi) 100

Maximum allowable speed:	(mph) 26
Cruising speed: (1st—2; 2nd—6; 3rd—10; 4th—16; 5th—26)	
Maximum allowable towed load:	(lb) 10,000

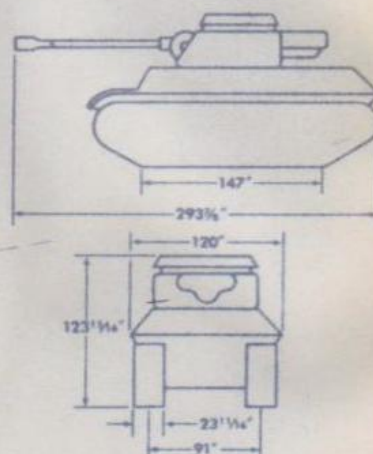
ENGINE

Manufacturer: Ford	Model GAA
Type:	V8, 4-cycle
No. of cylinders:	8
Displacement:	(cu in) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,800
Brake horsepower:	450 at (rpm) 2,600
Torque:	950 ft.-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

Basic Chassis—Tank, Medium, M4A3.

CARRIAGE, MOTOR, 90-MM GUN, M36B2



Technical Manuals: 9-745, 9-1731D,
9-1731G, 9-1731K, 9-1750B, 9-1750G,
9-1750L, 9-1825A, 9-1829A
Parts List: SNL G-237

RA PD 347326

Manufacturers: American Locomotive Works; Montreal Locomotive Works.

Armament: 1 gun, 90-mm, M3; 1 gun, cal. .50, HB, M2.

Make of vehicle illustrated: American Locomotive.

Classification: Substitute standard.

Ammunition: 47 rounds, 90-mm; 1,000 rounds, cal. .50; 450 rounds, cal. .30, M1A2 carbine.

Purpose: To provide mobility for 90-mm. gun, and protection for crew.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 66,000
Shipping dimensions: Uncrated	(cu ft) 2,509; (sq ft) 245
Ground clearance:	(in.) 18 3/4
Pintle height: (loaded)	(in.) 24
Ground pressure:	(lb per sq in.) 9.5
Electrical system:	(volts) 24
No. of batteries	(12-volt) 2
Capacities:	
Fuel (40-50 cetane Diesel fuel oil)	(gal) 165
Cooling system	(qt) 120
Crankcase (refill)	(qt) 28
Transmission, differential and final drives	(qt) 164
Transfer case	(qt) 2 1/2
Oil tank (dry sump engine only)	(qt) 28
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Transfer case:	
(Gear ratio: 1.37:1)	
Final drive:	
(Gear ratio: 2.84:1)	
Hull construction:	Rolled homogeneous armor—welded
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 50
Turning radius:	(ft) 31
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 19
Fuel consumption (average conditions):	(mpg) 0.7

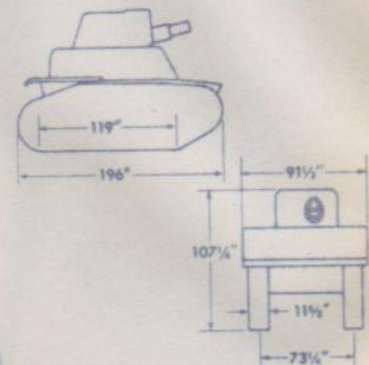
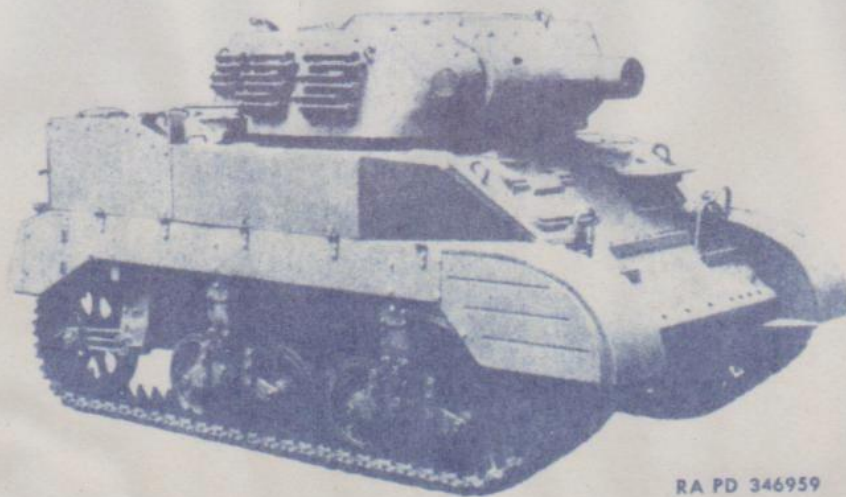
Cruising range: (average conditions)	(mi) 115
Maximum allowable speed:	(mph) 25
Cruising speed: (mph) (1st—2; 2nd—6; 3rd—10; 4th—16; 5th—25)	
Maximum allowable towed load:	(lb) 10,000

ENGINE

Manufacturer: GMC	Model 6064 and 6064D
Type: Twin Diesel—2-cycle	No. of cylinders 12
Displacement:	(cu in.) 850
Bore:	(in.) 4 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,100
Net horsepower:	375 at (rpm) 2,100
Torque:	855 ft-lb at (rpm) 1,300
Type of ignition:	Compression

ADDITIONAL DATA

CARRIAGE, MOTOR, 75-MM HOWITZER, M8



Technical Manuals: 9-732B, 9-1727C,
9-1727D, 9-1727E, 9-1727G, 9-1729A,
9-1825A, 9-1826A, 9-1828A, 9-1829A
Parts List: SNL G-127

RA PD 346959

Manufacturer: Cadillac Motor Car Division (GMC).

Classification: Standard.

Armament: 1 howitzer, 75-mm, M2 or M2A1; 1 gun,
machine, cal. .50, M2 (flex), HB.

Ammunition: 400 rounds cal. .50; 600 rounds, cal. .45;
735 rounds, cal. .30; 46 rounds 75-mm; 8 hand grenades.

Purpose: To provide mobility for 75-mm howitzer and
protection for crew.

GENERAL DATA

Crew:	4
Weight—fighting (lb):	34,571
Shipping dimensions: Uncrated (cu ft) 1100	(sq ft) 123
Ground clearance:	(in.) 13 3/4
Ground pressure:	(psi) 12.5
Length of track on ground	(in.) 119
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70-80 octane gasoline)	(gal) 82
Cooling system	(qt) 70
Crankcase (refill—each)	(qt) 8
Transmission	(qt) 15
Differential	(qt) 32
Brakes: Mechanical	Controlled differential
Transmission: Speeds	4
(Gear ratio: High—direct; Low—3.26:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.37:1)	
Final drive: (gear ratio)	2.57:1
Hull construction:	Rolled homogeneous
Communication system:	Type—radio and interphone

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius:	
Right	(ft) 21
Left	(ft) 21
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 64
Maximum vertical obstacle vehicle will climb:	(in.) 18

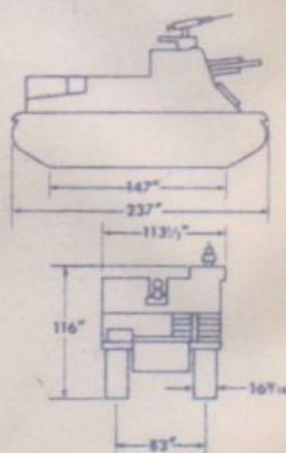
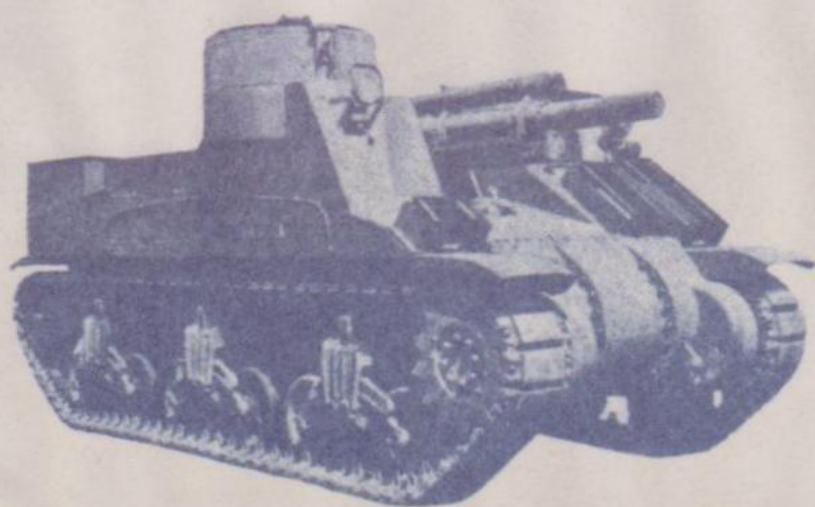
Fuel consumption (average conditions):	(mpg) 1 1/4
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 36

ENGINE

Manufacturer: Cadillac	Model Series 42—2 used
Type: V-8	
No. of cylinders:	(each) 8
Displacement:	(cu in.) 346
Bore:	(in.) 3 3/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	Not governed
Net horsepower:	110 at (rpm) 3400
Torque:	240 at (rpm) 1200
Type of ignition:	Distributors

ADDITIONAL DATA

CARRIAGE, MOTOR, 105-MM HOWITZER, M7



RA PD 347025

Technical Manuals: 9-731E, 9-1725,
9-1750A, 9-1750B, 9-1750C, 9-1750D,
9-1750K, 9-1751, 9-1825A, 9-1825B,
9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-128

Manufacturer: American Locomotive Co.

Classification: Substitute standard.

Armament: 1 howitzer, 105-mm, M2A1; 1 gun, machine,
cal. .50, M2 (flexible HB).

Ammunition: 69 rounds, 105-mm; 300 rounds, cal. .50;
1620 rounds, cal. .45; 8 hand grenades.

Purpose: To provide mobility for 105-mm howitzer and
crew.

GENERAL DATA

Crew:	7
Weight (fighting):	(lb) 50,634
Shipping dimensions: Uncrated (cu ft) 1,795:	(sq ft) 187
Ground clearance:	(in.) 17 1/2
Ground pressure:	(lb per sq in.) 10.4
Length of track on ground:	(in.) 147
Electrical system:	(volts) 24
No. of batteries (12 volts):	2
Capacities:	
Fuel (80 octane gasoline):	(gal) 179
Differential (one piece unit):	(qt) 172
Oil tank:	(qt) 52
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	5
(Gear ratio: High—0.73:1; Low—7.55:1)	
Final drive: Gear ratio:	2.84:1
Hull construction:	Rolled homogeneous

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 48
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) .5
Cruising range (average conditions):	(mi) 85
Maximum allowable speed:	(mph) 24
Maximum allowable towed load:	(lb) 10,000
Cruising speed (mph):	
(1st—2; 2nd—4.8; 3rd—8.3; 4th—13.2; 5th—20.3)	

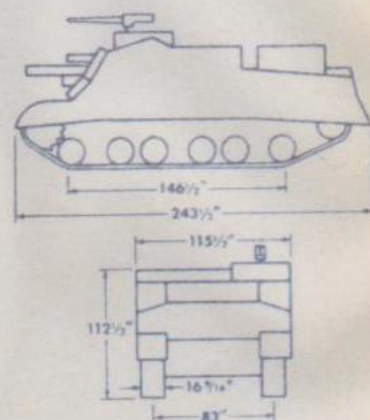
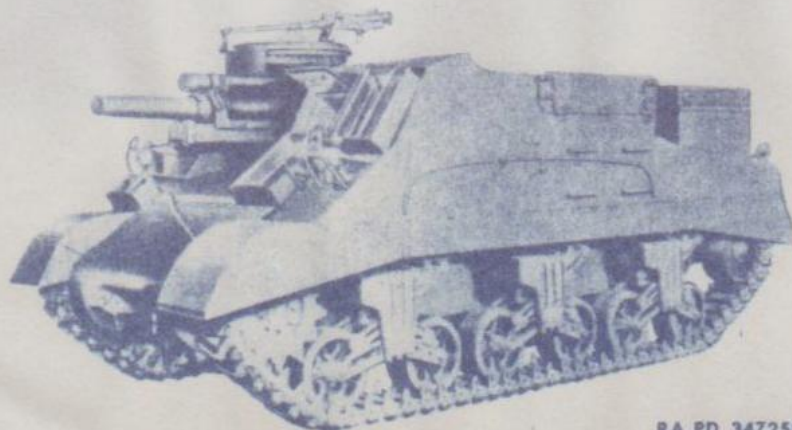
ENGINE

Manufacturer: Continental:	Model R-975-C-1
Type: Radial:	No. of cylinders 9
Displacement:	(cu in.) 973
Bore:	(in.) 5
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 2,400
Net horsepower:	350 at (rpm) 2,400
Torque:	840 ft-lb at (rpm) 1,800
Type of ignition:	Magneto

ADDITIONAL DATA

Basic chassis: Tank, medium, M4.

CARRIAGE, MOTOR, 105-MM HOWITZER, M7B1



RA PD 347258

Technical Manuals: 9-749, 9-1731B,
9-1750B, 9-1750K, 9-1825A, 9-1825B,
9-1826B, 9-1828A
Parts List: SNL G-199

Manufacturer: Pressed Steel Car Company.
Classification: Substitute standard.
Armament: 1 howitzer, 105 mm, M2A1; 1 gun, machine,
cal. .50 M2 HB.

Ammunition: 69 rounds 105 mm, 300 rounds cal. .50,
1,620 rounds cal. .45; 8 hand grenades.
Purpose: To provide mobility and crew protection for
150 mm howitzer in offensive combat.

GENERAL DATA

Crew:	7
Shipping dimensions:	(cu ft) 1,831; (sq ft) 195.3
Weight (fighting):	(lb) 56,470
Ground clearance:	(in.) 17 1/4
Pintle height (loaded):	(in.) 25 1/4
Length of track on ground:	(in.) 146 1/2
Electrical system:	(volts) 24
No. of batteries:	(12-volt) 2
Capacities:	
Fuel:	(gal) 158
Cooling system:	(qt) 56
Crankcase (refill):	(qt) 32
Transmission, differential and final drives:	(qt) 172
Brakes: Mechanical:	Controlled differential
Transmission: Speeds:	5
Gear ratio: High—7.3:1; Low—7.56:1	
Final drive: Gear ratio:	2.84:1
Hull construction:	Homogeneous armor

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Cruising range (average conditions):	(mi) 125
Maximum allowable speed:	(mph) 26
Cruising speed: (mph) (1st—2, 2nd—6, 3rd—10, 4th—16, 5th—26)	
Maximum allowable towed load:	(lb) 10,000

ENGINE

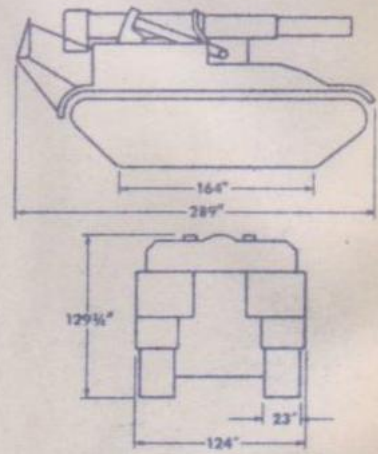
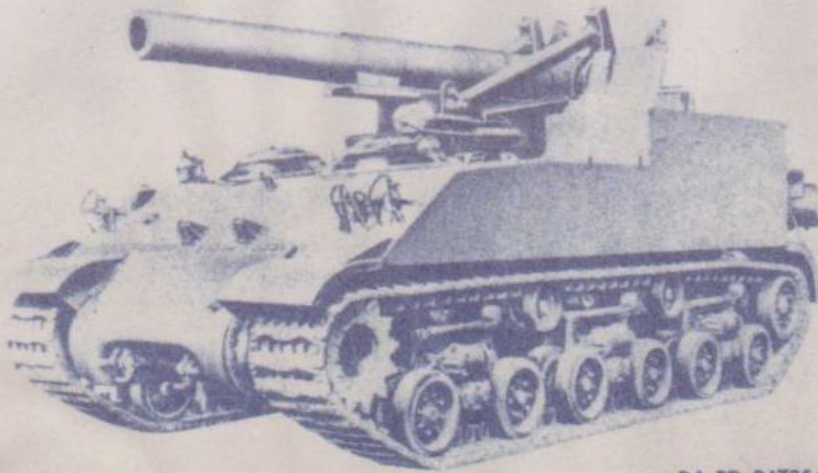
Manufacturer: Ford	Model GAA
Type: V-8	4-cycle

No. of cylinders:	8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,600
Net horsepower:	450 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

Basic Chassis—Tank, Medium M4A3.

CARRIAGE, MOTOR, 8-INCH HOWITZER M43 AND CARRIAGE, MOTOR, 155-MM GUN, M40



RA PD 347354

Technical Manuals: 9-747, 9-1725,
9-1731K, 9-1747A, 9-1750B, 9-1750C,
9-1750D, 9-1751, 9-1825A, 9-1825B,
9-1826B, 9-1828A, 9-1829A

Parts List: SNL G-232

Manufacturer: Pressed Steel Car Co., Inc.

Ammunition: M40—20 rounds, 155-mm, 12 hand grenades, 10 rifle grenades; M43—12 rounds, 8 in., 12 hand grenades, 10 rifle grenades.

Classification: Standard

Armament: M43 —1 Howitzer, 8 in. M1 or M2; M40—1 gun, 155-mm, M1 or M1A1.

Purpose: To provide fire power, mobility and crew protection for offensive combat.

GENERAL DATA

Crew:	8
Weight (fighting):	(lb) 83,000
Shipping dimensions: Uncrated	(cu ft) 2,690.8; (sq ft) 248.8
Ground clearance:	(in.) 19 1/4
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 10.2
Electrical system:	(volts) 24
No. of batteries:	(12-volt) 2
Capacities:	
Fuel (gasoline, 80 octane)	(gal) 215
Transmission and differential	(qt) 152
Oil tank	(qt) 52
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio	3.84:1

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius:	(ft) 41 1/2
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 92
Maximum vertical obstacle vehicle will climb:	(in.) 34
Fuel consumption (average conditions):	(mpg) .5
Cruising range (average conditions):	(mi) 107
Cruising speed: (mph) (1st—2; 2nd—5; 3rd—9; 4th—14; 5th—21)	
Maximum allowable speed:	(mph) 24

ENGINE

Manufacturer: Continental	Model R975-C4
Type: Radial—air cooled	No. of cylinders 9
Displacement:	(cu in.) 973
Bore:	(in.) 5

Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 2,300
Net horsepower:	400 at (rpm) 2,400
Torque:	940 ft-lb at (rpm) 1,700

ADDITIONAL DATA

Length:	
Carriage, motor, 8-in. howitzer M43	(in.) 289
Carriage, motor, 155-mm gun, M40	(in.) 357

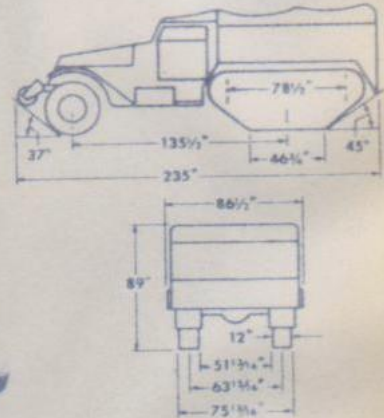
Section XI. Half-track Vehicles

R & V - HKGS
GEREGISTREERD

CAR, HALF-TRACK, M2



RA PD 347134



Technical Manuals: 9-710, 9-1710A,
9-1711, 9-1827B, 9-1827C, 9-1828A,
9-1829A

Parts List: SNL G-102, Vol. 7

Manufacturers: The Autocar Co.; The White Motor Co.
Classification: Limited standard.
Armament: 1 gun, machine, cal. .50, M2; 1 gun, machine,
cal. .30, M1919A4

Ammunition: 700 rounds, cal. .50; 540 rounds, cal. .45;
7,750 rounds, cal. .30; 10 hand grenades; 14 mines,
A.T.H.E., M1.

Purpose: To transport cargo and personnel in offensive
combat.

GENERAL DATA

Crew:			10
Weight (lb): Net—15,300	Payload—4,500	Gross—19,800	
Rear axle: Gear ratio:			4.44:1
Axle load (lb):			
Loaded:	Front—7,285; rear—12,475; each track—6,238		
Empty:	Front—5,670; rear—9,680; each track—4,840		
Tires (Combat): Ply—12	Size—8.25 x 20; Pressure (lb):	55	
Track ground pressure (loaded):			(lb psi) 11.2
Shipping dimensions:			
Uncrated:	(cu ft) 1,182; (sq ft) 147		
Vehicle dimensions:			
Length (over-all) with winch:	(in.) 242		
Ground clearance:	(in.) 11 1/2		
Pintle height (loaded):	(in.) 28		
Electrical system:	(volts) 12		
No. of batteries:	1		
Capacities:			
Fuel (70 octane gasoline):	(gal) 60		
Cooling system:	(qt) 26		
Crankcase (refill):	(qt) 12		
Transfer case and transmission:	(qt) 9		
Differentials (qt):	Front—3 1/2; rear—9		
Winch (load capacity):	(lb) 10,000		
Brakes: Manufacturer—Bendix	Type—hydraulic hydrovac		
Dimensions (in.):	Front—2 1/4; rear—3 1/2		
Transmission: Speeds:	4		
(Gear ratio: High—direct; Low—4.91:1)			

Transfer case: Speeds 2
(Gear ratio: High—direct; Low—2.48:1)

Communication equipment: Type—radio and interphones

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—30; left—29 1/2
Fording depth:	(in.) 32
Angle of approach (w/winch):	(deg) 33
Fuel consumption (loaded):	(mpg) 2 1/2
Cruising range (loaded):	(mi) 150
Allowable speed:	(mph) 45
Maximum recommended towed load: (on highways):	(lb) 4,500

ENGINE

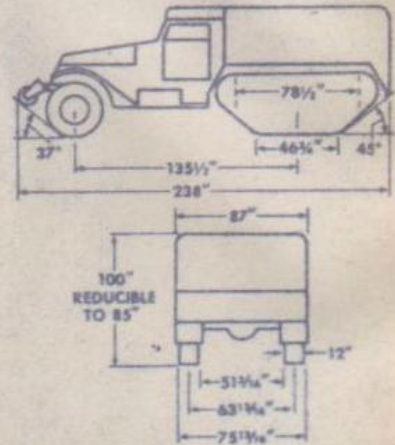
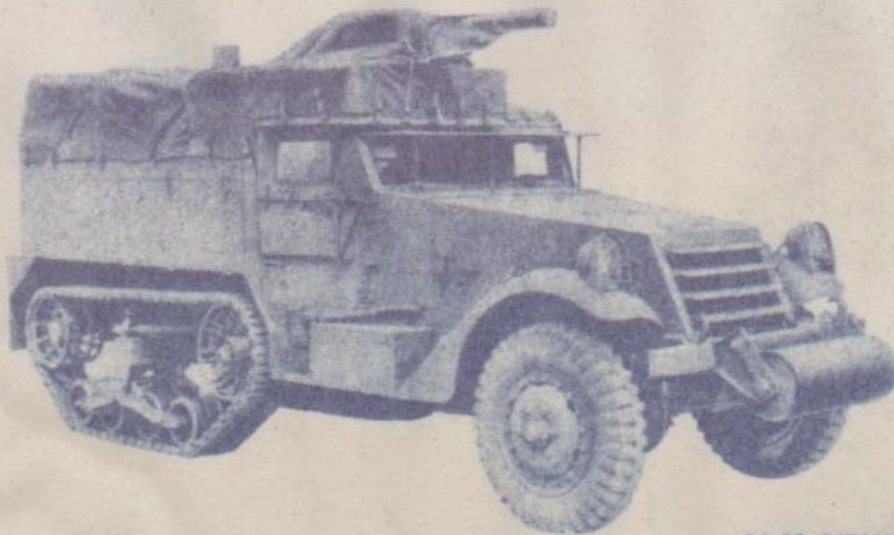
Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5 1/4
Maximum governed speed:	Not governed
Brake horsepower:	147 at (rpm) 3,000
Torque:	325 ft-lb at (rpm) 1,200

Data given is for vehicles with winch.

For vehicles without winch and with front roller, changes in data are as follows: Weight (lb) Net—14,800; Payload—5,000; Axle load, loaded (lb) Front—6,890, rear 12,910, each track—6,452; Empty front—5,040; rear—9,760; each track—4,880. Shipping dimensions (cu ft) 1,054; (sq ft) 142.

Track Ground Pressure (loaded vehicle): (psi) 11.6

CAR, HALF-TRACK, M2A1



Technical Manuals: 9-716, 9-1719A, 9-1711, 9-1727C, 9-1827B, 9-1828A, 9-1829A

RA PD 347133

Parts List: SNL G-182, Vol. 2

Manufacturers: The Autocar Co.; The White Motor Co.
Classification: Limited standard.

Armament: 1 gun, machine, cal. .50, HB, M2; 1 gun, machine, cal. .30, M1919A4.

Ammunition: 700 rounds, cal. .50; 540 rounds, cal. .45; 7,750 rounds, cal. .30; 10 hand grenades; 14 mines, A.T.H.E., M1.

Purpose: To transport cargo and personnel in combat zone.

GENERAL DATA

Crew:	10
Weight (lb): Net—15,100 Payload—4,500 Gross—19,600	
Rear axle: Gear ratio:	4.44:1
Axle load (lb):	
Loaded: Front—7,252; rear—12,348; each track—8,174	
Empty: Front—5,387; rear—9,513; each track—4,757	
Tires (Combat): Ply—12 Size—8.25 x 20; Pressure (lb) 55	
Tread, center to center (in.): Front—64 1/2	
Track ground pressure (loaded): (lb psi) 11	
Shipping dimensions:	
Uncrated: (cu ft) 1,237; (sq ft) 149	
Vehicle dimensions:	
Length (over-all) with winch (in.) 245	
Ground clearance (in.) 11 3/4	
Pivotal height (loaded) (in.) 28	
Electrical system: (volts) 12	
No. of batteries: 1	
Capacities:	
Fuel (70 octane gasoline) (gal) 60	
Cooling system (qt) 26	
Crankcase (qt) 12	
Transfer case and transmission (qt) 9	
Differentials (qt) Front—3 1/2; rear—9	
Winch (load capacity) (lb) 10,000	
Brakes: Manufacturer—Bendix Type—hydraulic-hydrovac	
Dimensions (in.) Front—2 1/4; rear—3 1/2	
Transmission: Speeds 4	
(Gear ratio: High—direct; Low—4.92:1)	
Transfer case: Speeds 2	
(Gear ratio: High—direct; Low—2.48:1)	
Communication equipment: Type—radio and interphones	

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—30; left—29 1/2
Fording depth:	(in.) 32
Angle of approach (w/winch):	(deg) 33
Fuel consumption (loaded):	(mpg) 25 1/2
Cruising range (loaded):	(mi) 165
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,500

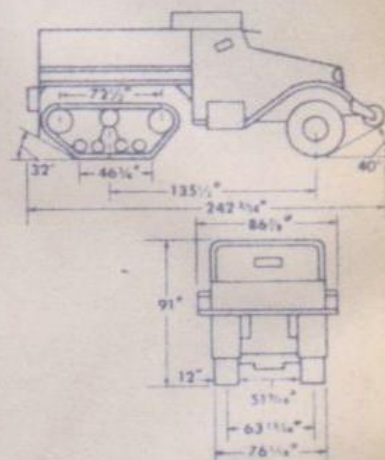
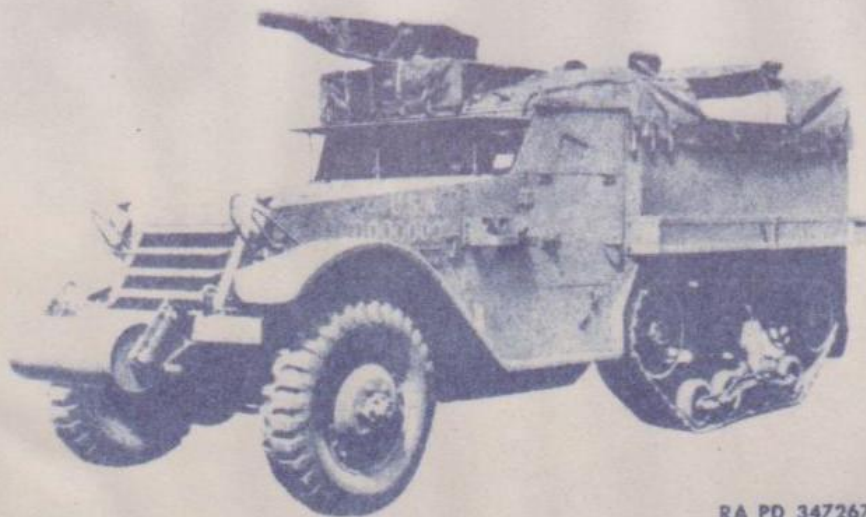
ENGINE

Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5 1/2
Maximum governed speed:	Not governed
Brake horsepower:	147 at (rpm) 3,000
Torque:	325 ft-lb at (rpm) 1,200

ADDITIONAL DATA

For vehicles without winch and with front roller, changes in data are as follows: Weight (lb) Net—14,600; Payload—5,000; Axle load, loaded (lb)—Front—7,100; rear—12,500; each track—8,250. Empty—Front—5,250; rear—9,350; each track—4,675. Shipping dimensions (uncrated) (cu ft) 1,195; (sq ft) 144. Ground Pressure Track (loaded vehicle): (psi) 11.2

CAR, HALF-TRACK, M9A1



RA PD 347267

Technical Manuals: 9-707, 9-1707A,
9-1707B, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNI G-147

Manufacturer: International Harvester Co.
Classification: Limited standard.
Armament: 1 gun, machine, cal. .50, HB, M2; 1 gun,
machine, cal. .30; M1919A4.

Ammunition: 700 rounds, cal. .50; 7,750 rounds, cal. .30;
10 hand grenades; 14 mines ATHE, M1 with fuze.
Make of vehicle illustrated: IHC M9A1 with front roller.
Purpose: To transport cargo and personnel in combat zone.

GENERAL DATA

Crew:	10
Weight (lb): Net—17,110 Payload—3,500 Gross—20,610	
Rear axle: Gear ratio	4.22:1
Tires: Combat: Ply—12 Size—9.00 x 20; Pressure (lb)—Front—70	
Tread, center to center (in.):	Front—66 1/2
Shipping dimensions: Uncrated	(cu ft) 1,076.4; (sq ft) 141.9
Ground clearance:	(in.) 11 1/4
Pintle height (loaded):	(in.) 29 1/4
Ground pressure:	(lb per sq in.) 12.2
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 60
Cooling system	(qt) 31
Crankcase (refill)	(qt) 9
Transfer case and transmission	(qt) 9 1/2
Differentials (qt)	Front—5; rear—4 1/2
Winch	(qt) 4
Winch (load capacity)	(lb) 10,000
Brakes:	Type—hydraulic-hydrovac
Transmission: Speeds	4
(Gear ratio: High—direct; Low—4.92:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.48:1)	
Communication equipment:	Radio

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—28; left—30
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 3.6

Cruising range (loaded):	(mi) 215
Allowable speed:	(mph) 42
Maximum recommended towed load: On highways:	(lb) 4,500

ENGINE

Manufacturer: I.H.C.	Model, RED 450B
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 451
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	124.5 at (rpm) 2,600
Torque:	370 ft.-lb at (rpm) 1,000

ADDITIONAL DATA

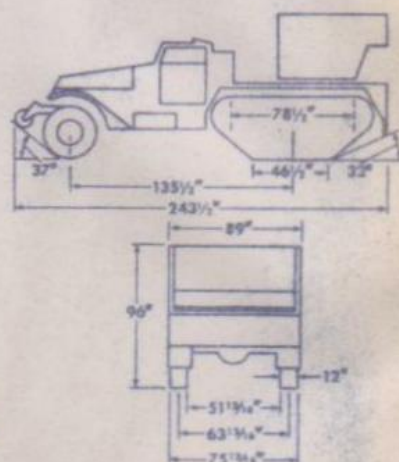
Above data is for car, half-track, M9A1 with roller. For car half-track, M9A1 w/winch data changes as follows:

Weight, net (lb)	17,610; payload 3,000; gross 20,610.
Length over-all	(in.) 249 1/4
Angle of approach	(deg) 36
Shipping dimension	(cu ft) 1,139; (sq ft) 150

CARRIAGE, MOTOR, COMBINATION GUN, M15A1



RA PD 347103



Technical Manuals: 9-710, 9-1710A,
9-1710C, 9-1711, 9-1827B, 9-1827C,
9-1828A, 9-1829A
Parts List SNL G-102, Vol. 18

Manufacturer: The Autocar Company.

Classification: Limited standard.

Armament: 1 gun, 37-mm, M1A2; 2 guns, machine, cal. .50, M2HB (flexible).

Ammunition: 200 rounds, 37-mm; 1,200 rounds, cal. .50;
540 rounds, cal. .45; 12 hand grenades.

Purpose: To provide a highly mobile antiaircraft weapon.

GENERAL DATA

Crew:	7
Weight (lb): Net—18,385 Payload—2,415 Gross—20,800	
Rear axle: Gear ratio:	4.44:1
Axle load (lb):	
Loaded:	Front—7,624; rear—13,176; each track—6,588
Empty:	Front—5,450; rear—11,935; each track—5,968
Tires (combat):	Size—8.25 x 20; Pressure (lb)—Front—55
Tread, center to center (in.):	Front—64½
Track ground pressure (loaded):	(lb psi) 12
Shipping dimensions:	
Uncrated:	(cu ft) 1,208; (sq ft) 151
Vehicle dimensions:	
Ground clearance:	(in.) 11½
Pintle height (loaded):	(in.) 28
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 66
Cooling system:	(qt) 26
Crankcase (refill):	(qt) 12
Transfer case and Transmission:	(qt) 9
Differentials (qt):	Front—3½ rear—9
Brakes: Mfr.—Bendix Type—hydraulic-vacuum and hydrovac	
Dimensions (in.):	Front—2½; rear—3½
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—4.92:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—2.48:1)	
Communication equipment:	Radio

PERFORMANCE

Maximum computed gradability:	(percent) 60
Turning radius (ft):	Right—30; left—29½
Fording depth:	(in.) 32
Maximum vertical obstacle vehicle will climb:	(in.) 12
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 175
Allowable speed:	(mph) 40
Maximum recommended towed load:	(lb) 4,500

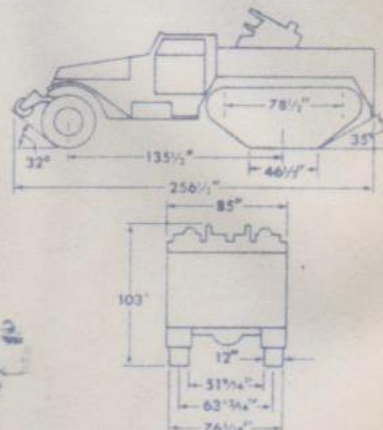
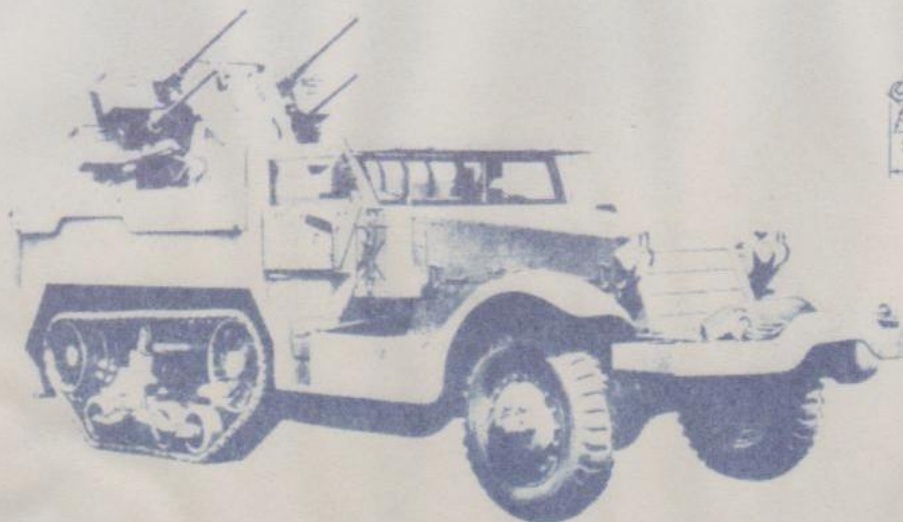
ENGINE

Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5½
Maximum governed speed:	Not governed
Brake horsepower:	142 at (rpm) 3,000
Torque:	320 ft-lb at (rpm) 1,300

ADDITIONAL DATA

Basic chassis—Carrier personnel, half-track, M3.

CARRIAGE, MOTOR, MULTIPLE GUN, M16



Technical Manuals: TM 9-710,
9-1710A, 9-1711, 9-1827B, 9-1827C,
9-1828A, 9-1829A

Parts List: SNL G-102

RA PD 347082

Manufacturer: White Motor Co.
Classification: Limited Standard.

Armament: 4 guns, machine, cal. .50, M2, HB, TT; 1 rifle,
launcher, grenade, M1903.

Ammunition: 5000 rounds, cal. .50; 420 rounds, cal. .45;
26 hand grenades.

Purpose: To provide mobility for machine guns.

GENERAL DATA

Crew: 5
Weight (lb): Net—18,640 Payload—3,000 Gross—21,640
Rear axle: (Gear ratio: 4.44:1)
Axle load (lb):
 Loaded Front—7,824; rear—13,816; each track—6,908
Tires: Ply—12 Size—8.25 x 20 Pressure (lb)—Front—55
Tread, center to center (in.): Front—64 1/2
Track ground pressure (loaded vehicle): (psi) 12.4
Shipping dimensions: Uncrated (cu ft) 1,290 (sq ft) 151.4
Vehicle dimensions:
 Ground clearance (in.) 11 1/8
 Pintle height (loaded) (in.) 28
Electrical system: (volts) 12
No. of batteries: 1
Capacities:
 Fuel (72 octane gasoline) (gal) 60
 Cooling system (qt) 26
 Crankcase (refill) (qt) 12
 Differential (qt) Front—3 1/2; rear—9
 Transmission and transfer case (qt) 9
 Winch (qt) 4
 Winch (load capacity) (lb) 10,000
Brakes: Manufacturer—Bendix Type—hydraulic-hydrovac
 Dimensions (in.) Front—2 1/4; rear—3 1/2
Transmission: Speeds 4
 (Gear ratio: High—direct, Low—4.92:1)
Transfer case: Speeds 2
 (Gear ratio: High—direct, Low—2.48:1)
Communication equipment: Radio

PERFORMANCE

Maximum computed gradability: (percent) 60
Turning radius (ft): Right—30; left—30
Fording depth: (in.) 32
Fuel consumption (loaded): (mpg) 3
Cruising range (loaded): (mi) 175
Allowable speed: (mph) 40

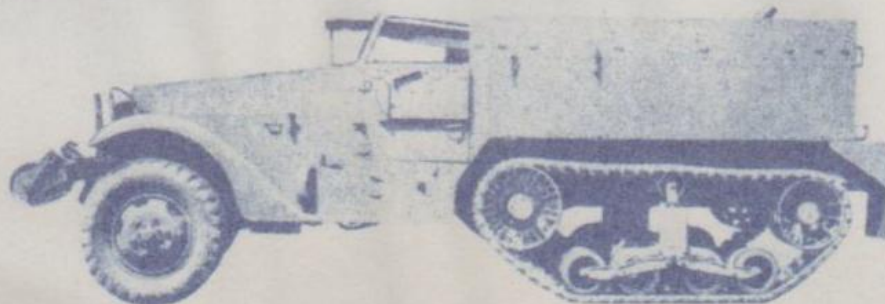
ENGINE

Manufacturer: White Model 160AX
Type: L-head, 4-cycle No. of cylinders (in line) 6
Displacement: (cu in.) 386
Bore: (in.) 4
Stroke: (in.) 5 1/4
Brake horsepower: 142 at (rpm) 3,000
Torque: 320 ft-lb at (rpm) 1,500

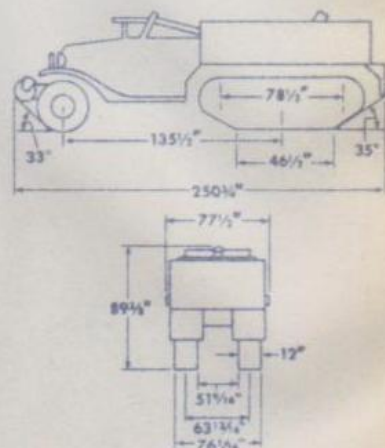
ADDITIONAL DATA

Basic chassis: Carrier, personnel, half track, M3

CARRIER, 81-MM MORTAR, HALF-TRACK, M4



RA PD 347083



Technical Manuals: 9-714, 9-1710A, 9-1711, 9-1827B, 9-1827C, 9-1828A, 9-1829A

Parts List SNL G-102, Vol. 5

Manufacturer: White Motor Co.

Classification: Limited Standard.

Armament: 1 gun, machine, cal. .50; 1 81-mm mortar, M1.

Ammunition: 112 rounds, 81-mm; 750 rounds, cal. .50; 540 rounds, cal. .45; 4000 rounds, cal. .30; 12 hand grenades.

Purpose: To provide mobility for 81-mm mortar and protection for crew.

GENERAL DATA

Crew:	6
Weight (lb): Net—14,430 Payload—3,430 Gross—17,850	
Rear axle: (Gear ratio 4.44:1)	
Axle load (lb): Loaded, Front—5,630; rear—12,220; each track—6,110	
Tires: Ply—12 Size 8.25 x 20, Pressure (lb)—Front—55	
Track ground pressure (loaded vehicle): (psi) 11	
Shipping dimensions:	
Uncrated:	(cu ft) 1,005; (sq ft) 134.9
Vehicle dimensions:	
Length (over-all) w/winch:	(in.) 250 1/2
Ground clearance:	(in.) 11 3/4
Pintle height (loaded):	(in.) 28
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 60
Cooling system:	(qt) 26
Crankcase:	(qt) 12
Transmission:	(qt) 9
Differential (qt):	Front—3 3/4; rear—9
Winch (load capacity):	(lb) 10,000
Brakes:	Type—hydraulic-hydrovac
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—4.92:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—2.48:1)	
Communication equipment:	Type—radio

PERFORMANCE

Maximum computed gradability:	(percent) 60
Turning radius (ft):	Right—30; left—30
Fording depth:	(in.) 32

Angle of approach (w/winch):	(deg) 33
Angle of departure:	(deg) 35
Fuel consumption (loaded):	(mpg) 3 1/2
Cruising range (loaded):	(mi) 200

ENGINE

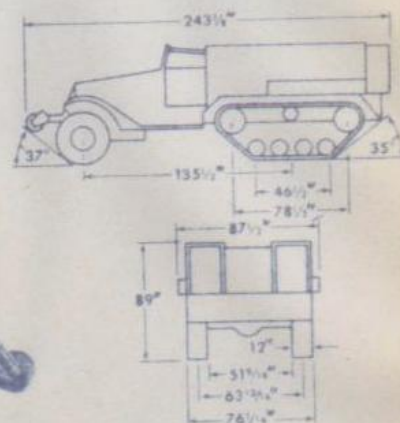
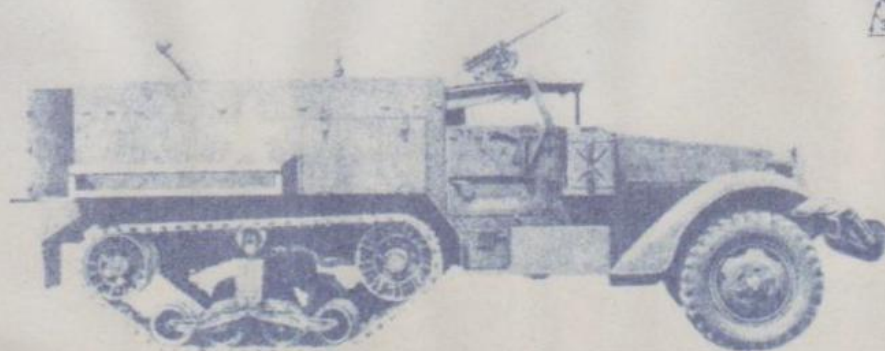
Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5 3/4
Maximum governed speed:	Not governed
Brake horsepower:	142 at (rpm) 3,000
Torque:	320 ft-lb at (rpm) 1,300

ADDITIONAL DATA

Data given for vehicles w/winch. Data changes for vehicle with roller as follows:

Weight: Net—14,000 Payload—3,850 Gross—17,850
Axle load: Loaded Front—5,200; rear—12,650; each track—6,325
Track ground pressure: (psi) 11.4
Shipping dimensions: (cu ft) 977.6; (sq ft) 131.2
Angle of approach: (deg) 37

CARRIER, 81-MM MORTAR, HALF-TRACK, M4A1



Technical Manuals: 9-710, 9-1710A,
9-1711, 9-1827B, 9-1827C, 9-1828A,
9-1829A

RA PD 347089

Parts List: SNL G-102, Vol. 6

Manufacturer: White Motor Co.
Classification: Limited standard.
Purpose: To provide mobility for 81-mm mortar, and protection for crew.

Armament: 1 mortar, 81-mm; 1 gun, machine, cal. .30;
Ammunition: 2000 rounds, cal. .30; 540 rounds, cal. .45;
96 rounds, 81-mm; 12 hand grenades; 14 mines, A.T.H.E.,
M1; 10 rockets, M6.

GENERAL DATA

Crew:	6		
Weight (lb): Net—15,750	Payload—4,390	Gross—20,140	
Axles: Gear ratio	4.44:1		
Axle load (lb):			
Loaded	Front—7,460; rear—12,680; each track—6,340		
Tires: Ply—12	Size—8.25 x 20. Pressure (lb)—Front—55		
Tread, center to center (in.)	Front—64 1/2		
Track ground pressure (psi): (loaded vehicle)	(lb) 11.4		
Shipping dimensions: Uncrated—(cu ft) 1,130	(sq ft) 152.4		
Vehicle dimensions:			
Length (over-all), w/ winch	(in.) 250 3/4		
Ground clearance	(in.) 11 1/4		
Pintle height (loaded)	(in.) 28		
Electrical system:	(volts) 12		
No. of batteries	1		
Capacities:			
Fuel (72 octane gasoline)	(gal) 60		
Cooling system	(qt) 26		
Crankcase (refill)	(qt) 12		
Transfer case and transmission	(qt) 9		
Differentials (qt)	Front—3 1/2; rear—9		
Winch (load capacity)	(lb) 10,000		
Brakes: Bendix	Type—hydraulic-hydrovac		
Dimensions (in.)	Front—2 1/4; rear—3 1/2		
Transmission: Speeds	4		
(Gear ratio: High—direct: Low—4.92:1)			
Transfer case: Speeds	2		
(Gear ratio: High—direct: Low—2.48:1)			
Communication equipment:	Type—radio		

PERFORMANCE

Maximum computed gradability:	(per cent) 60
Turning radius (ft):	Right—30; left—30

Fording depth:	(in.) 32
Angle of approach (w/winch):	(deg) 32
Fuel consumption (loaded):	(mpg) 31 1/2
Cruising range (loaded):	(mi) 200
Allowable speed:	(mph) 45

ENGINE

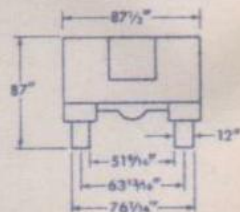
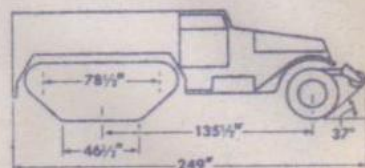
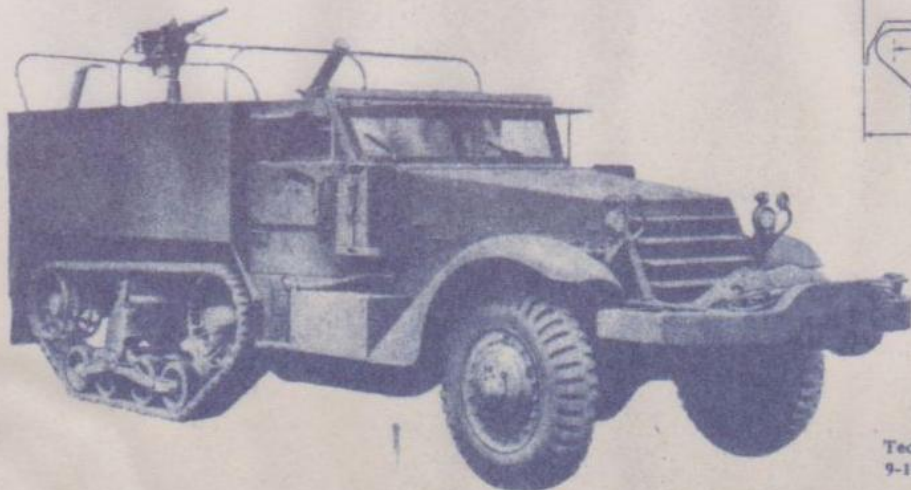
Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5 1/2
Maximum governed speed:	Not governed
Brake horsepower:	142 at (rpm) 3,000
Torque:	320 ft-lb at (rpm) 1,300

ADDITIONAL DATA

Data given for vehicles w/ winch.
Data changes for vehicles w/ roller as follows:

Weight (lb): Net—15,320	Payload—4,820	Gross—20,140
Axle load (lb):		
Loaded	Front—6,150; rear—13,990; each track—6,995	
Track ground pressure (psi):	(lb) 12.5	
Shipping dimensions: (cu ft) 1,099	(sq ft) 148.1	

CARRIER, 81-MM MORTAR, HALF-TRACK, M21



Technical Manuals: 9-710, 9-1710A,
9-1711, 9-1827B, 9-1827C, 9-1828A,
9-1829A

RA PD 347109

Parts List: SNL G-102, Vol. 15

Manufacturer: White Motor Company.

Classification: Standard.

Armament: 1 mortar, 81-mm, M1.

Ammunition: 97 rounds, 81-mm; 400 rounds, cal. .50;
600 rounds, cal. .45; 12 hand grenades; 12 mines,
A.T.H.E., M1; 6 rockets, A.T. 2.36-inch, M6.

Purpose: To provide a self-propelled mount for 81-mm
mortar.

GENERAL DATA

Crew	6
Weight (lb): Net—15,500 Payload—4,500 Gross—20,000	
Rear axle: Gear ratio	4.44:1
Axle load (lb): Loaded: Front—6,900; rear—13,100; each track—6,550	
Empty: Front—5,735; rear—9,765; each track—4,883	
Tires: Ply—combat; Size—8.25 x 20; Pressure (lb)—Front—55	
Tread, center to center (in.): Front—64 1/2	
Track ground pressure (loaded vehicle):	(lb psi) 11.7
Shipping dimensions:	
Uncrated	(cu ft) 1,096.9 (cu ft) 151.3
Vehicle dimensions:	
Ground clearance	(in.) 11 1/4
Fintle height (loaded)	(in.) 28
Electrical system	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 60
Cooling system	(qt) 26
Crankcase (refill)	(qt) 12
Transfer case and transmission (main)	(qt) 9
Differentials (qt)	Front—3 1/2; rear—9
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2 1/4; rear—3 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—4.92:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.48:1)	
Communication equipment:	radio

PERFORMANCE

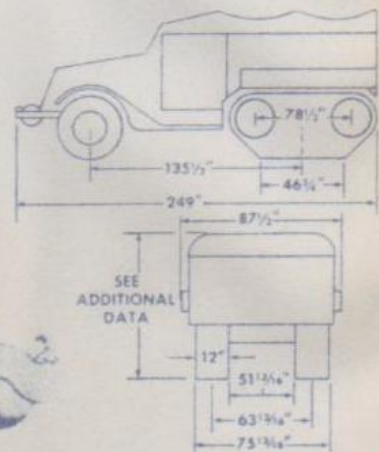
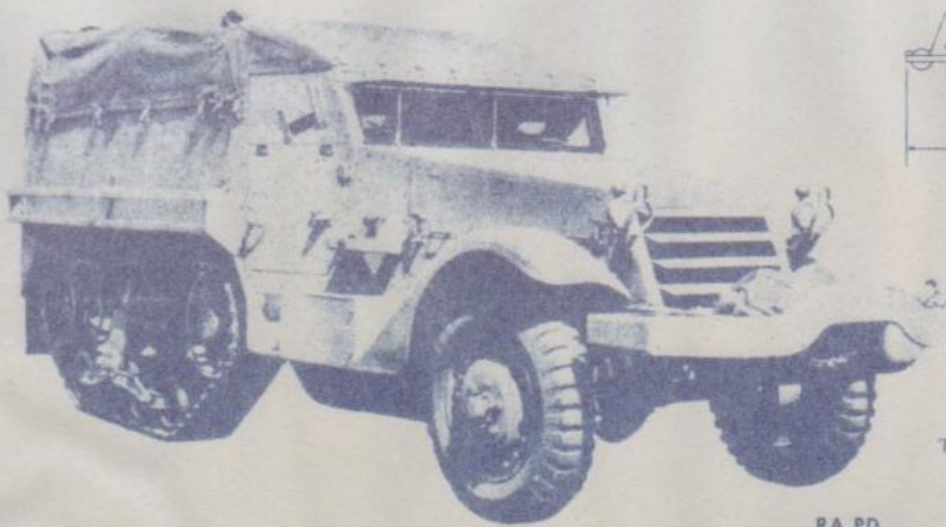
Maximum computed gradability:	(percent) 60
Turning radius (ft):	Right—30; left—30
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed (mph):	1st—9; 2nd—17; 3rd—26; 4th—45

ENGINE

Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore	4"
Stroke	5 1/2"
Maximum governed speed:	Not governed
Brake horsepower:	142 at (rpm) 3,000
Torque:	320 ft-lb at (rpm) 1,300

ADDITIONAL DATA

CARRIER, PERSONNEL, HALF-TRACK, M3



Technical Manuals: 9-710, 9-1710A,
9-1710C, 9-1711, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-102

RA PD
347073

Manufacturers: The Autocar Co.; Diamond T Motor Co.;
White Motor Co.
Classification: Standard.
Armament: 1 Gun, Machine, cal. .30, M1919A4.

Ammunition: 4000 rounds, cal. .30; 540 rounds, cal. .45;
22 hand grenades; 24 mines, M1.
Purpose: To transport cargo and personnel in combat zone.

GENERAL DATA

Crew:	1	Passengers (including crew):	13
Weight (lb):	Net—15,500	Payload—4,500	Gross—20,000
Rear axle: Gear ratio:	4.44:1		
Axle load (lb):			
Loaded:	Front—7,400; rear—11,600; each track—6,300		
Empty:	Front—5,735; rear—9,765; each track—4,883		
Tires (combat): Ply—12; Size—8.25 x 20; Pressure (lb)—Front—55			
Tread, center to center (in.):	Front—64 1/2		
Track width: Outside to outside (in.):	Tires—73 1/2		
Inside to inside (in.):	Tires—55 1/2		
Track ground pressure (loaded):	(psi) 11.3		
Shipping dimensions: Uncrated:	(cu ft) 1,125; (sq ft) 151.6		
Vehicle dimensions:			
Height overall (in.)—Autocar, 94; Diamond T, 89; White, 98 1/2;	White reducible to 72 1/2.		
Length (over-all) w/ roller:	(in.) 243 1/2		
Ground clearance:	(in.) 11 1/2		
Pintle height (loaded):	(in.) 28		
Electrical system (volts): 12	No. of batteries 1		
Capacities:			
Fuel (70-80 octane gasoline):	(gal) 60		
Cooling system:	(qt) 32		
Crankcase (qts.) Dryfill—13:	Refill (qt) 12		
Transfer case and transmission:	(qt) 7 1/2		
Differentials (qt):	Front—3 1/2; rear—9		
Winch (load capacity):	(lb) 10,000		
Brakes: Manufacturer—Wagner-Bendix Type—hydraulic-hydraulic			
Dimensions (in.):	Front—2 1/4; rear—3 1/2		
Transmission: Speeds—4; (Gear ratio: High—direct; Low—4.92:1)			
Transfer case: Speeds—2; (Gear ratio: High—direct; Low—2.48:1)			
Communication equipment:	Radio and interphones		

PERFORMANCE

Maximum computed gradability:	(percent)	60
Turning radius (ft):	Right—30; left—29 1/2	
Fording depth:	(in.)	32
Angle of approach (w/Winch): (deg) 33	w/ Roller (deg)	37
Angle of departure:	(deg)	32
Fuel consumption (loaded):	(mpg)	3.3
Cruising range (loaded):	(mi)	200
Allowable speed:	(mph)	45
Maximum recommended towed load:	(lb)	4,500
Across country:		

ENGINE

Manufacturer: White	Model 160AX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 386
Bore:	(in.) 4
Stroke:	(in.) 5 1/2
Maximum governed speed:	Not governed
Brake horsepower:	147 at (rpm) 3,000
Torque:	325 ft-lb at (rpm) 1,200

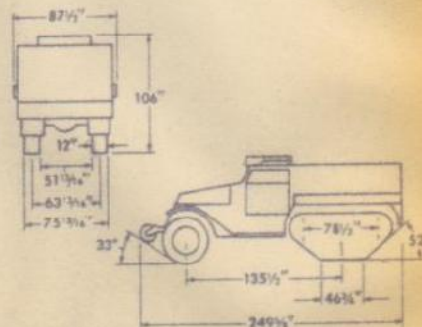
ADDITIONAL DATA

Data given is in general for vehicle w/ winch. For vehicle w/o winch and with front roller, changes in data are as follows: Net weight 15,000 lb; Payload 5,000 lb; Axle Load—loaded, (lb) front 6,900, rear 13,100, each track 6,550; Empty—front 5,175, rear 9,825, each track 4,913; Shipping dimensions, uncrated (cu ft) 1,139, (sq ft) 146.

CARRIER, PERSONNEL, HALF-TRACK, M3A1



RA PD 347108



Technical Manuals: 9-710, 9-1718A,
9-1711, 9-1827B, 9-1827C, 9-1828A,
9-1829A

Parts List: SNL G-182

Manufacturers: The White Motor Co.; The Autocar Co.;
Diamond T Motor Co.

Classification: Limited standard.

Armament: 1 machine gun, cal. .50; HB, M2 (flexible);
1 machine gun M1919A4 (flexible).

Ammunition: 700 rounds, cal. .50; 7750 rounds, cal. .30;
540 rounds, cal. .45; 22 hand grenades; 24 mines,
A.T.H.E., M1.

Purpose: To transport cargo and personnel in combat zone.

GENERAL DATA

Crew	1
Passengers (including crew)	13
Weight (lb): Net—15,300	Payload—5,700
Gross—20,500	
Rear axle: Gear ratio	4.44:1
Axle load (lb):	
Loaded: Front—7,585; rear—12,915; each track—6,458	
Empty: Front—5,661; rear—9,639; each track—4,820	
Tires: (Combat)	Size—8.25 x 20; Pressure (lb)—Front—55
Tread, center to center (in.)	Front—64 1/2
Tread width:	
Outside to outside (in.)	Tires—73 1/2
Inside to inside (in.)	Tires—55 1/2
Track ground pressure: (loaded)	(lb psi) 11.6
Shipping dimensions:	
Uncrated	(cu ft) 1,340; (sq ft) 151.6
Vehicle dimensions:	
Length (over-all) with roller	(in.) 243 1/2
Ground clearance	(in.) 11 1/2
Fintle height (loaded)	(in.) 28
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 60
Cooling system	(qt) 32
Crankcase (qt)	Dryfill—13; refill—12
Transfer case and transmission	(qt) 9
Differential (qt)	Front—3 1/2; rear—9
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer: Bendix or Wagner; Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2 1/4; rear—3 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—4.91:1)	
Transfer case: (Gear ratio)	High—direct; Low—2.48:1
Communication equipment:	Radio and interphone

PERFORMANCE

Maximum computed gradability	(percent)	60
Turning radius (ft):	Right—30; left—30	
Fording depth	(in.)	32
Fuel consumption (loaded)	(mpg)	3 1/2
Cruising range (loaded)	(mi)	200
Allowable speed	(mph)	45
Maximum recommended towed load	(lb)	4,500

PERFORMANCE

Maximum computed gradability	(percent)	60
Turning radius (ft):	Right—30; left—30	
Fording depth	(in.)	32
Fuel consumption (loaded)	(mpg)	3 1/2
Cruising range (loaded)	(mi)	200
Allowable speed	(mph)	45
Maximum recommended towed load	(lb)	4,500

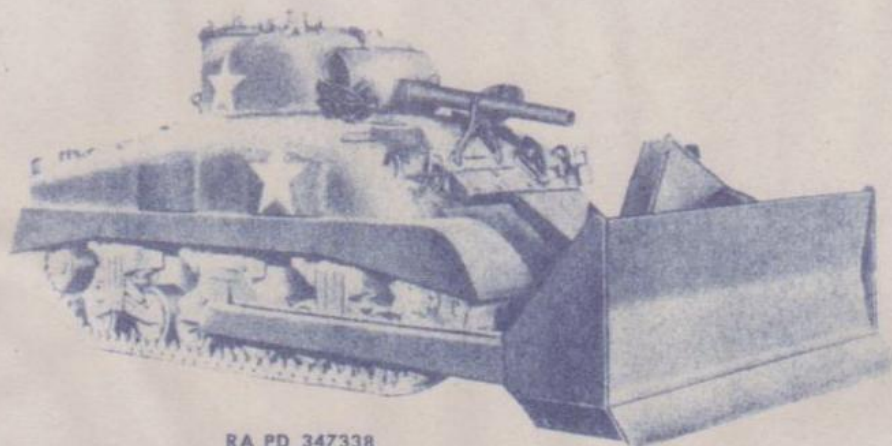
ADDITIONAL DATA

Data given is for vehicles with winch.
For vehicles without winch and with front roller, changes in data are as follows:

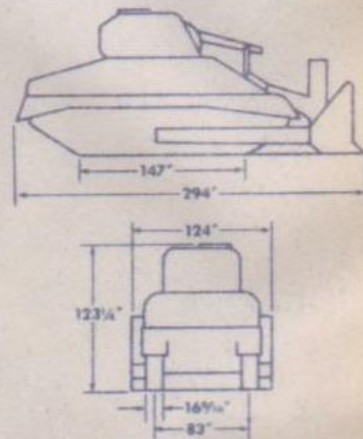
Weight (lb): Net—14,800	Payload—5,700
Axle load (lb): Front—7,073; rear—13,427; each track—5,714	
Empty—Front—5,106; rear—9,694; each track—4,847	
Shipping dimensions:	
Uncrated	(cu ft) 1,235; (sq ft) 147
Length (over-all)	(in.) 242
Angle of approach	(deg) 37
Track ground pressure (loaded vehicle)	(psi) 12

Section XII. Mine Exploders and Combat Bulldozers

BULLDOZER, M1



RA PD 347338



Parts List: SNL G-228

Manufacturer: Bulldozer: La Plante Choate Mfg. Co. Inc.
Classification: Limited Standard.
Purpose: To provide a bulldozer for attachment to any

tank of the M4 series with a 16 $\frac{1}{2}$ in. wide track for use in the assault of obstacles, reduction of bunkers, and emergency construction operation.

GENERAL DATA

Crew:	5
Weight:	(lb) *74,362
Shipping dimensions:	(cu ft) 2,599; (sq ft) 253.1
Pintle height (loaded)	(in.) 28
Ground pressure:	(lb per sq in.) 15.2
Electrical system:	(volts) 24
No. of batteries:	(12-volt) 2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Cooling system	Air cooled
Transmission and differential	(qt) 164
Oil tank	(qt) 36
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio	2.84:1
Hull construction:	Rolled homogeneous armor; turret-cast homogeneous armor.
Communication system:	Radio and interphone

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—32; left—32
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions)	(mpg) 5
Cruising range:	(mi) 85
Maximum allowable speed:	(mph) 26
Cruising speed: (mph) (1st—2; 2nd—5; 3rd—9; 4th—14; 5th—24)	

ENGINE

Manufacturer:	Continental	Model R975-C1
Type:	Radial, 4-cycle	No. of cylinders 9
Displacement:		(cu in.) 973
Bore:		(in.) 5
Stroke:		(in.) 5 $\frac{1}{2}$
Maximum governed speed:		(rpm) 2,400
Net horsepower:		350 at (rpm) 2,400
Torque:		840 ft-lb at (rpm) 1,800
Type of ignition:		Magneto

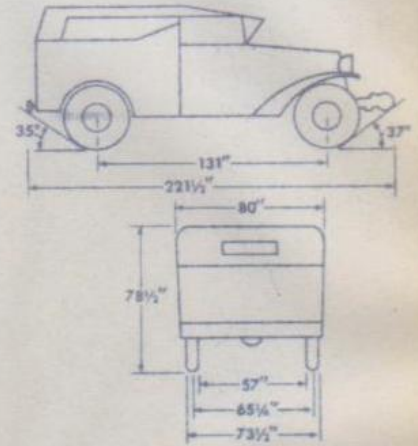
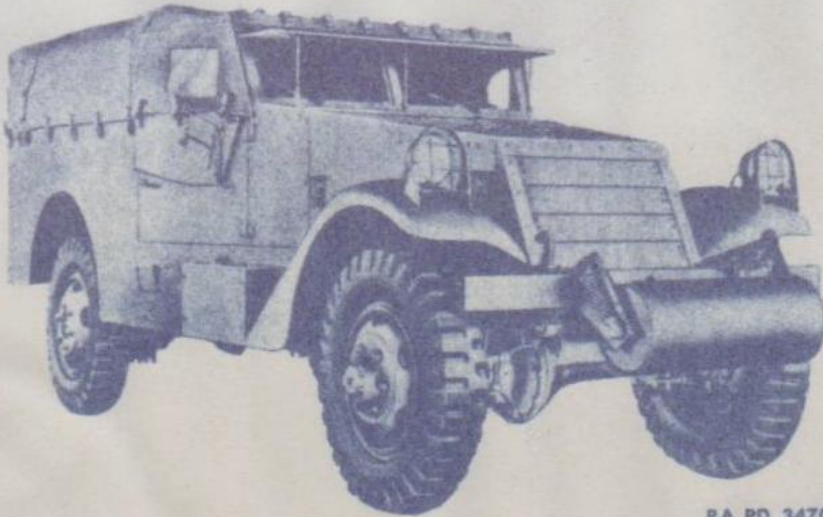
ADDITIONAL DATA

Auxiliary generator Homelite—Model HRUH.
 *Weight based on tracks type T48.

BBV
GEREGISTREERD

Section XIII. Passenger and Scout Cars

CAR, SCOUT, 4 x 4, M3A1



Technical Manuals: TM 9-705,
9-1785, 9-1786, 9-1789, 9-1828A
Parts List: SNL G-67

RA PD 347076

Manufacturer: White Motor Co.

Classification: Standard.

Armament: 1 gun, machine, cal. .50, H.B., M2; 1 gun,
machine, cal. .30; M1919A4.

Ammunition: 8000 rounds, cal. .30; 750 rounds, cal. .50;
540 rounds, cal. .45.

Purpose: To provide mobility and crew protection for
reconnaissance in combat.

GENERAL DATA

Crew:	2
Passengers (including crew):	8
Weight:	Gross—13,055
Rear axle: (Gear ratio: 5.14:1)	
Axle load (lb): Loaded	Front—5,255; rear—7,800
Tires: Ply—12. Size—8.25 x 20; Pressure (lb)—Front—45; rear—65	
Tread, center to center (in.):	Front—63 1/4
Shipping dimensions: Uncrated (cu ft) 804.9	(sq ft) 123
Vehicle dimensions:	
Ground clearance	(in.) 15 1/4
Pintle height (loaded)	(in.) 28 1/4
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 19
Crankcase (refill)	(qt) 6
Transfer case	(qt) 3 1/2
Transmission	(qt) 5
Differentials (qt)	Front—3; rear—3 1/2
Brakes: Manufacturer—Bendix	Type—hydraulic-hydrovac
Dimensions	(in.) 2 1/4
Transmission: Speeds	4
(Gear ratio: High—direct; Low—5.00:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.87:1)	
Communication equipment:	Type—radio

PERFORMANCE

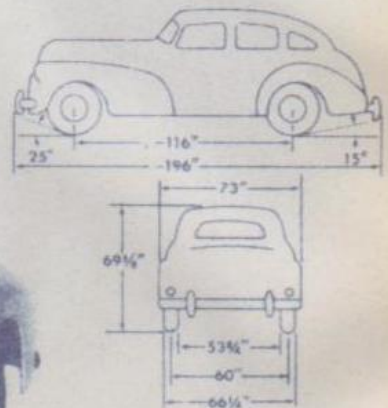
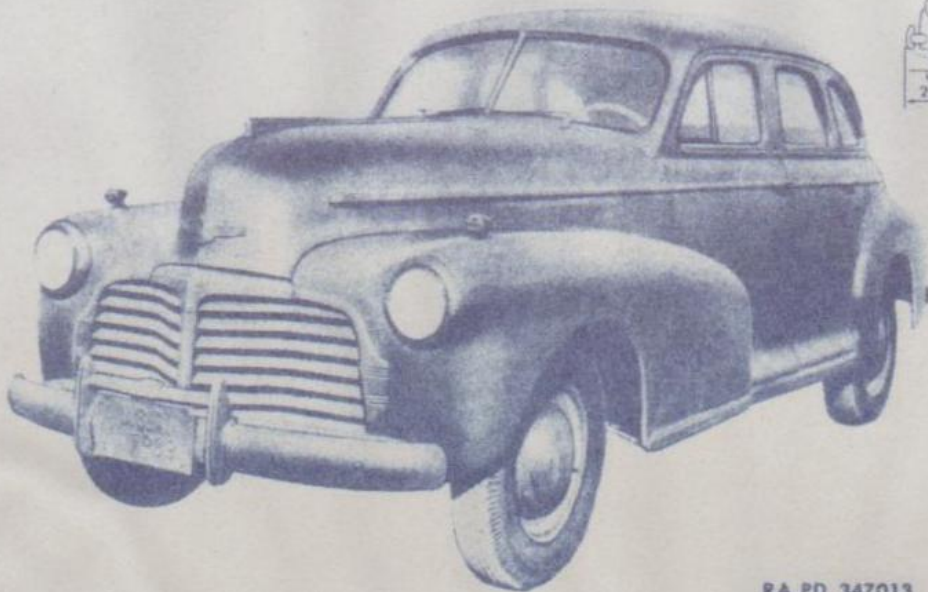
Maximum computed gradability:	(percent) 60
Turning radius (ft):	Right—28 1/2; left—28 1/2
Fording depth:	(in.) 78
Fuel consumption (loaded):	(mpg) 8 1/2
Cruising range (loaded):	(mi) 255
Allowable speed:	(mph) 55.5

ENGINE

Manufacturer: Hercules	Model: JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4 1/4
Maximum governed speed:	Not governed
Brake horsepower:	87 at (rpm) 2,400
Torque:	120 ft-lb at (rpm) 1,150

ADDITIONAL DATA

CAR, 5-PASSENGER, 4 x 2, LIGHT SEDAN



Technical Manuals: 18-1129,
18-1133, 18-1303
Parts List: SNL G-520

RA PD 347013

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew:	1
Passengers (including crew):	5
Weight (lb): Net—3,275 Payload—800 Gross—4,075	
Rear axle: Gear ratio:	4.11:1
Axle load (lb): Loaded	Front—1,885; rear—2,190
Empty	Front—1,665; rear—1,610
Tires: Ply—6 Size—6.00 x 16; Pressure (lb)—Front—28; rear—30	
Tread, center to center (in.):	Front—57 1/2
Shipping dimensions: Uncrated (cu ft) 573.8	(sq ft) 99.3
Vehicle dimensions:	
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 16
Cooling system	(qt) 15
Crankcase (refill)	(qt) 5
Transmission	(qt) 3 1/4
Differential	(qt) 1 3/4
Brakes: Manufacturer—Chevrolet	Type—hydraulic
Dimensions	(in.) 1 3/4
Transmission: Speeds	3
(Gear ratio: High—direct; Low—2.94:1)	

PERFORMANCE

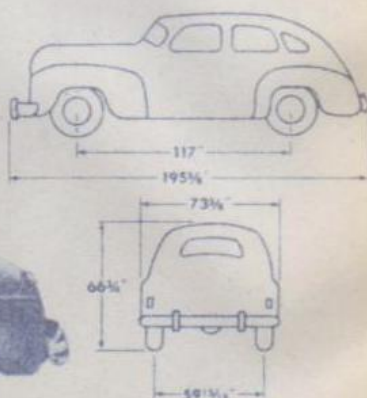
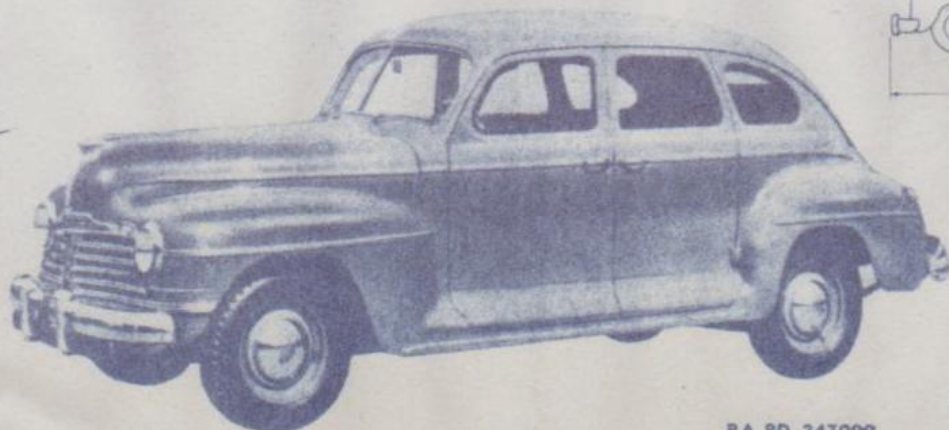
Maximum computed gradability:	(percent) 38
Turning radius (ft):	Right—20 1/2; left—19 1/2
Fording depth:	(in.) 16 1/2
Fuel consumption (loaded):	(mpg) 10
Cruising range (loaded):	plus (mi) 150
Allowable speed:	(mph) 80

ENGINE

Manufacturer: Chevrolet	Model 1942 BA-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 5
Displacement:	(cu in.) 216.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 3 1/4
Maximum governed speed: (when governor is furnished)(rpm)	3,100
Brake horsepower:	83 at (rpm) 3,200
Torque:	158 ft-lb at (rpm) 1,100

ADDITIONAL DATA

CAR, 5-PASSENGER, 4 x 2, LIGHT SEDAN



RA PD 347099

Technical Manual: 10-1151
Parts List: SNL G-521

Manufacturer: Chrysler Corporation, Plymouth Div.
Classification: Standard.

Purpose: To transport personnel.

GENERAL DATA

Crew:	1
Passengers (including crew):	5
Weight (lb): Net—3,175 Payload—750 Gross—3,925	
Rear Axle:	Gear ratio 3.9:1
Axle load (lb): Loaded Front—1,934; rear—1,991	
Empty Front—1,705; rear—1,470	
Tires: Ply—4 Size—6.00 x 16; Pressure (lb)—Front—28; rear 28	
Tread, center-to-center (in.):	Front—57
Vehicle dimensions:	
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 17
Cooling system	(qt) 15
Crankcase (refill)	(qt) 5
Transmission	(qt) 1 1/2
Differential	(qt) 1 1/2
Brakes: Manufacturer—Chrysler Type—hydraulic	
Dimensions	(in.) 2
Transmission: Speeds	3
(Gear ratio: High—direct; Low—2.57:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 38
Turning radius (ft):	Right—20 1/2; left—20
Fuel consumption (loaded):	(mpg) 17
Cruising range (loaded):	(mi) 280

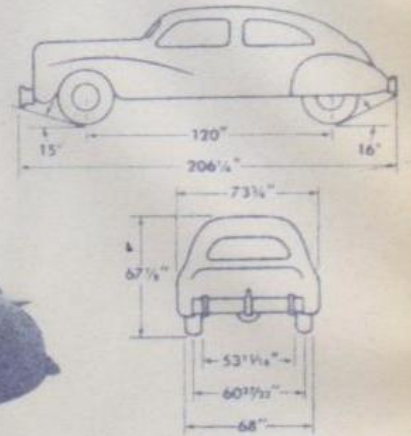
ENGINE

Manufacturer: Plymouth	Model P-14
Type: L-head, 4-cycle	No. of cylinders (in line) 6

Displacement:	(cu in.) 217.8
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 3/8
Maximum governed speed:	Not governed
Brake horsepower:	95
Torque:	172 ft.-lb. at (rpm) 1600

ADDITIONAL DATA

CAR, 5-PASSENGER, 4 x 2, MEDIUM SEDAN,



RA PD 347107

Manufacturer: Packard Motor Car Company.
Classification: Standard.

Purpose: To provide transportation for staff officers.

GENERAL DATA

Crew:	1
Passengers (including crew):	5
Weight (lb): Net—3,700 Payload—875 Gross—4,575	
Rear axle: Gear ratio:	3.92:1
Tires: Ply—4; Size—6.50 x 15; Pressure (lb)—Front—28; rear—28	
Tread, center to center (in.):	Front—60 ¹¹ / ₁₆
Shipping dimensions:	
Uncrated	(cu ft) 596.7; (sq ft) 105.5
Vehicle dimensions:	
Ground clearance	(in.) 6 ¹¹ / ₁₆
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 17
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5 ¹ / ₂
Transmission	(qt) 1
Differential	(qt) 2 ¹ / ₂
Brakes: Manufacturer—Packard Type—hydraulic	
Dimensions	(in.) 13 ¹ / ₄
Transmission: Speeds	3

PERFORMANCE

Maximum computed gradability:	(percent) 25
Turning radius (ft):	Right—21; left—21
Fording depth:	(in.) 18 ⁵ / ₁₆
Fuel consumption (loaded):	(mpg) 13
Cruising range (loaded):	(mi) 220
Allowable speed:	(mph) 70

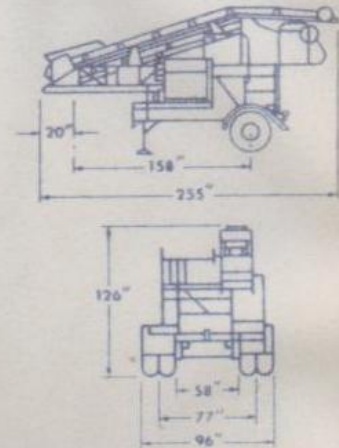
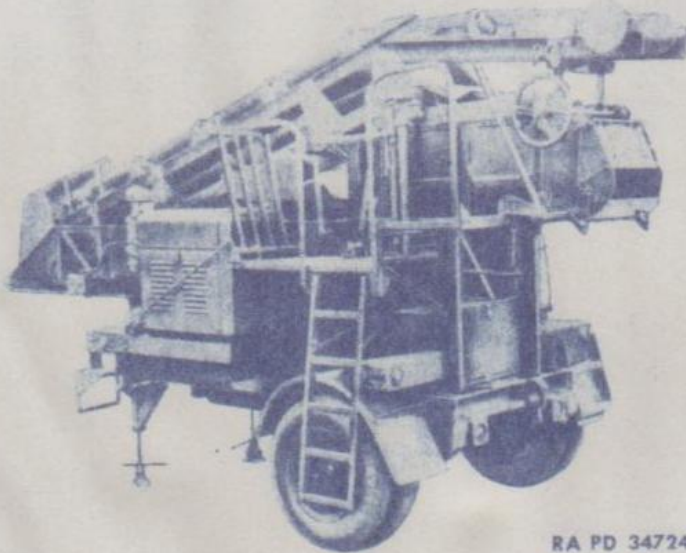
ENGINE

Manufacturer: Packard	Model 2001
Type: L-head, 4-cycle	No. of cylinders (in line) 8
Displacement:	(cu in.) 282
Bore:	(in.) 3 ¹ / ₄
Stroke:	(in.) 4 ¹ / ₄
Maximum governed speed:	(rpm) 3,600
Brake horsepower:	125 at (rpm) 3,600
Torque:	230 ft-lb at (rpm) 2,000

ADDITIONAL DATA

Section XIV. Road Equipment

ASPHALT AND SOIL AGGREGATE MIXING PLANT, GASOLINE ENGINE DRIVEN, 25-TON PER HOUR; UNIT No. 1, MIXER, PUGMILL, SEMITRAILER



RA PD 347244

Manufacturer: Barber-Greene Company.
Make of vehicle illustrated: Barber-Greene Company
Model 841.

Classification: Limited Standard.

Purpose: Used by Corps of Engineers to prepare surfacing
material for roads or runways.

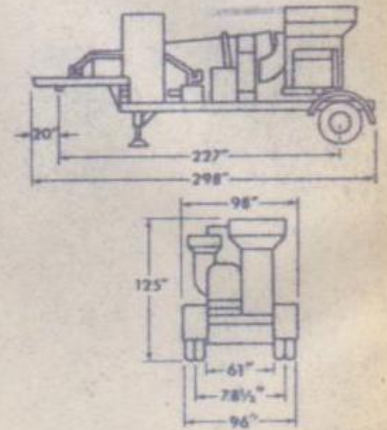
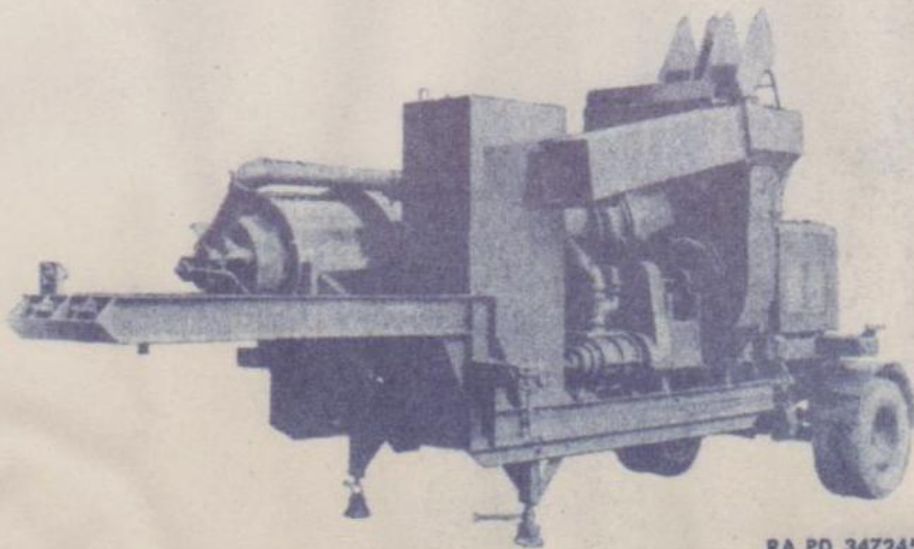
GENERAL DATA

Body type:	Special purpose
Weight (lb):	Net—13,980
Weight distribution (lb):	
Empty—5th wheel—3,980	Axle—10,000
Tires: Ply—8	Size—7.50 x 20
Maximum cool pressure (lb)	Operating—4
Ground clearance:	Rear—55
Brakes: Service—air	(in.) 13½
Parking—hand, mechanical	
Towing vehicles to be used:	Prime mover, 4-ton, 6 x 6
Shipping dimensions, assembled vehicle:	
(cu ft) 1,900; (sq ft) 180.2	
Pintle height (in.):	Rear—33

ADDITIONAL DATA

Engine:
Make—LeRoi; Model—D-201P3; Cylinders—4; Cycles—4; Fuel—gasoline; Bore and stroke—4 x 4 in.; Displacement—201 cu in.; Brake horsepower—36 at 1,400 rpm; Fuel system—gravity; Cooling system—water w/circ. pump; Starting method—hand crank.

ASPHALT AND SOIL AGGREGATE MIXING PLANT, GASOLINE ENGINE DRIVEN, 25-TON PER HOUR; UNIT NO. 2, DRYER, AGGREGATE, SEMITRAILER, MOUNTED



Technical Manual : 5-1280

RA PD 347245

Manufacturer: Barber-Greene Company.
Make of vehicle illustrated: Barber-Greene Company,
Model 831.

Classification: Limited standard.
Purpose: Used by Corps of Engineers to dry and heat
material for surfacing roads and runways.

GENERAL DATA

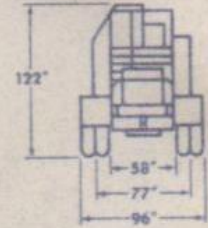
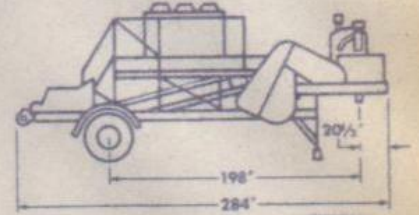
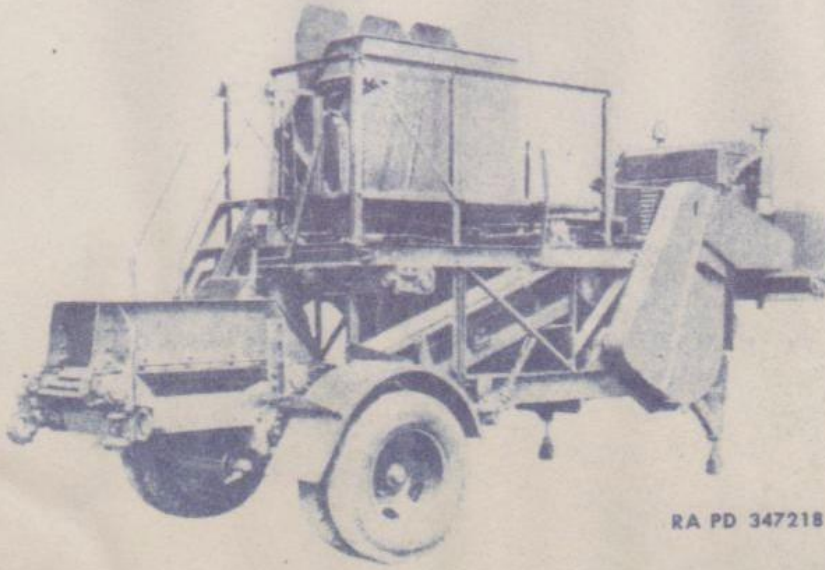
Weight (lb):	Net—14,600
Weight distribution (lb):	
Empty	5th wheel—7,700; axle—6,900
Tires: Ply—8	Size—7.50 x 20
Spare 1	Operating—4
Maximum cool pressure (lb)	Rear—55
Ground clearance:	(in.) 15
Brakes: Service—air	Parking—hand mechanical
Towing vehicles to be used:	Truck, 4-ton, 6 x 6
Shipping dimensions, assembled vehicle:	(cu ft) 2,112.5 (sq ft) 202.8
Pintle height:	(in.) 33

ADDITIONAL DATA

Engine: Gasoline driven, 25 tons per hour.
Make—LeRoi, Model D-201P3; Cylinders—4; Cycle—4; Bore and
stroke—4 x 4 in.; Displacement—201 cu in.; Governed speed
—1,400 rpm; Brake horsepower—36 at 1400 rpm; Fuel system—
gravity; Ignition system—magneto; Cooling system—water with
circ. pump; Starting method—hand crank.

Capacities:
Fuel—12 gal gasoline; Cooling system—4 gal water; Crankcase—
7 qt oil; Gear box—3 qt; Speed reducer—2 qt; Blower—1 1/2 pt;
Oil burner—200 gal Diesel fuel.

ASPHALT AND SOIL AGGREGATE MIXING PLANT, GASOLINE ENGINE DRIVEN, 25-TON PER HOUR; UNIT No. 3, STABILIZER, SOIL, SEMITRAILER MOUNTED, W/DOLLY

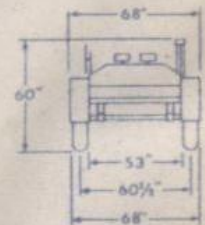
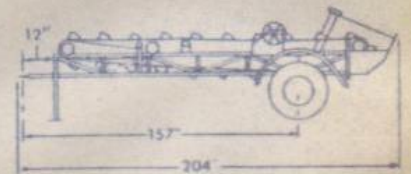
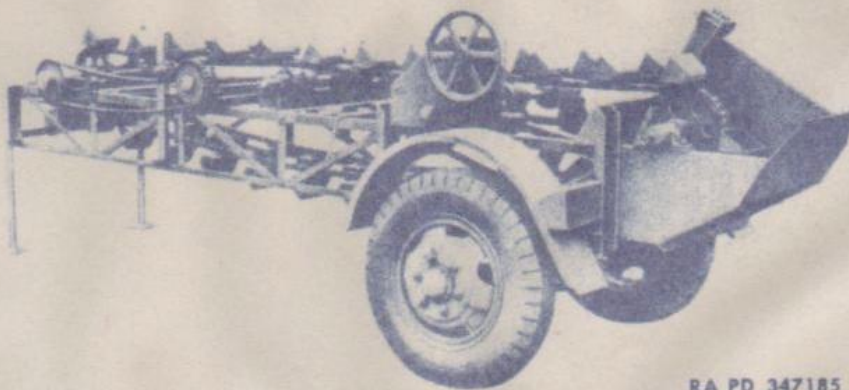


RA PD 347218

Manufacturer: Barber-Greene Company.
 Make of vehicle illustrated: Barber-Greene Co., Model 821.
 Classification: Limited standard.
 Purpose: Used by Corps of Engineers to prepare soil and aggregate for surfacing roads and runways.
 Weight (lb): Gross—13,980
 Weight distribution (lb):
 Empty—5th wheel—5,570 Axle—8,410
 Tires: Ply—8 Size—7.50 x 20; Spare—1; Operating—4
 Maximum cool pressure (lb) 55

Ground clearance: (in.) 16
 Brakes: Service—air Parking—hand, mechanical
 Towing vehicles to be used: Truck, 4-ton, 6 x 6
 Shipping dimensions, assembled vehicle: (cu ft) 1,918.1; (sq ft) 188.6
 Pintle height: (in.) 30 1/2
 Engine: Gasoline driven, 25 tons per hour. Make—LeRoi, Model D-201, 4 cylinders, 4-cycle; bore and stroke, 4 x 4 in.; Displacement—201 cu in.; governed speed—1,400 rpm; brake horsepower—36 hp. at 1,400 rpm.
 Capacities: Fuel—12 gal. gasoline; cooling system—4 gal. water; crankcase—7 qt.; gear box—3 qt.; speed reducer—2 1/2 pts.

ASPHALT AND SOIL AGGREGATE MIXING PLANT, GASOLINE ENGINE DRIVEN, 25-TON PER HOUR; UNIT No. 4, ELEVATOR, BUCKET, TRAILER MOUNTED

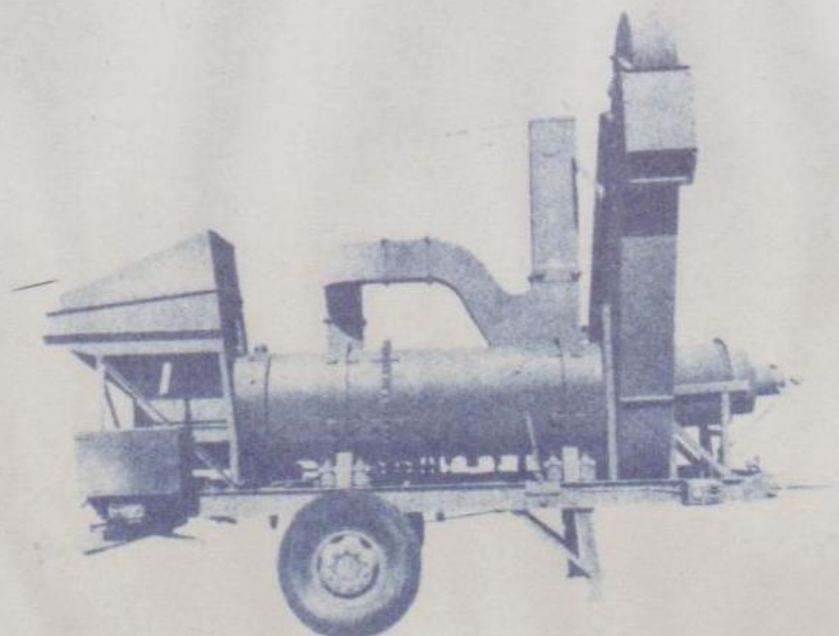


RA PD 347185

Manufacturer: Barber-Greene Company.
 Classification: Limited standard.
 Make of vehicle illustrated: Barber-Greene Co., Model 831.
 Purpose: Used by Corps of Engineers to elevate aggregate to dryer.

Weight (lb): Gross—3,000
 Weight distribution (lb):
 Empty Lunette—200; axle—2,800
 Tires: Ply—8 Size—7.50 x 20 Operating—2
 Maximum cool pressure (lb) 55
 Ground clearance: (in.) 17 1/2
 Towing vehicles to be used: Any suitable prime mover
 Shipping dimensions (assem. vehicle): (cu ft) 426; (sq ft) 102

**ASPHALT PLANT, GASOLINE DRIVEN,
10 TO 30 TON PER HOUR; UNIT NO. 2,
DRYER, AGGREGATE, TRAILER MOUNTED, COMPLETE**



Manufacturer: Barber-Greene Co.

Classification: Standard.

Make of vehicle illustrated: Barber-Greene Co.,
Model 830-G.

Purpose: Used by Corps of Engineers to dry and heat
aggregates for bituminous mixes.

GENERAL DATA

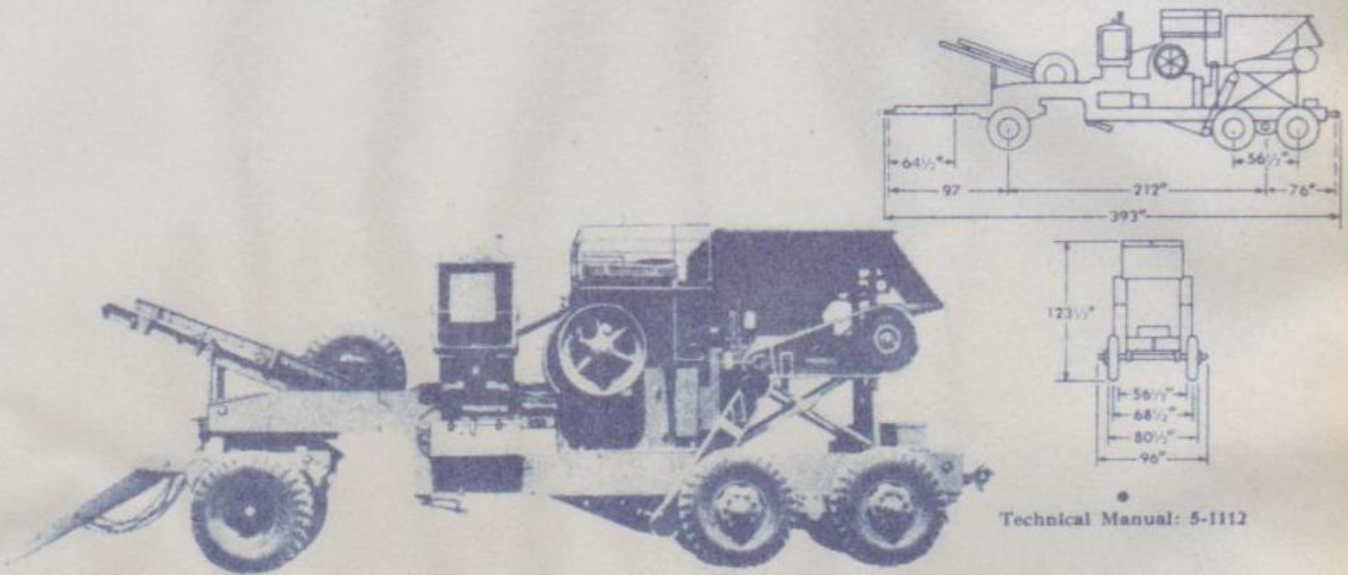
Body type	Special purpose	
Weight: Net	(lb)	8,700
Tires: Ply-16	Size—	12.00 x 20
Maximum cool pressure	(lb)	65
Vehicle dimensions:		
Ground clearance	(in.)	18
Pintle height (in.)	Rear	33
Brakes	Service—air; Parking—hand, mechanical	
Towing vehicle to be used	Truck, 4-ton, 6 x 6	
Shipping dimensions, assembled vehicle:		
.....	(cu ft) 2,080; (sq ft)	189
Shipping weight	(lb)	16,000
Capacities:		
Fuel (gasoline)	(gal)	12
Cooling system	(gal)	4
Crankcase	(qt)	7
Bevel gear box	(qt)	3
Speed reducer	(pt)	2½
Air cleaner	(pt)	1
Blower	(pt)	1½
Oil burner	(gal)	200

ADDITIONAL DATA

ENGINE

Manufacturer: LeRoi	Model D-201P3	
Type	No. of cylinders	4
Displacement	(cu in.)	201
Bore	(in.)	4
Stroke	(in.)	4
Brake horsepower	36 at (rpm)	1,400

**CRUSHING AND SCREENING PLANT, 2-UNIT GASOLINE
ENGINE DRIVEN, SEMITRAILER MOUNTED,
W/DOLLY, 25 CU YD PER HOUR; UNIT NO. 1, JAW CRUSHER**



RA PD 347187

Technical Manual: 5-1112

Manufacturer: Iowa Manufacturing Company.
Classification: Standard.
Make of vehicle illustrated: Iowa Model 2, Primary Unit.

Purpose: Used by Corps of Engineers for primary crushing of rock.

GENERAL DATA

Body type:	Special purpose
*Weight (lb):	Gross—32,488
*Weight distribution (lb):	
Empty	On dolly axle—12,086; on bogie axles (2)—10,201
Tires: Ply—14†	Size—12.00 x 20; Spare—1; Operating—4
Maximum pressure (lb)	Front—60; rear—60
Tread, dolly (in.):	
Center to center	(in.) 72½
Outside to outside	(in.) 98
Inside to inside	(in.) 46½
Ground clearance:	(in.) 8½
Brakes:	
Service—Bendix-Westinghouse—air	Parking—hand, mechanical
Towing vehicles to be used: Truck, 6-ton, 6 x 6, or tractor	
Shipping dimensions, assembled vehicle:	
	(cu ft) 2,575; (sq ft) 141.3
Pintle height (in.):	Rear—30
Fifth wheel: Size—30 in.	Type—semi-rigid

ADDITIONAL DATA

*Includes dolly—Dolly weight: 3,685 lb.
†16-ply on new procurement.

Engine:	
Make	Case
Model	LEA
Displacement	(cu in.) 403.4
Cylinders	4
Bore	(in.) 4½
Stroke	(in.) 6
Governed speed	(rpm) 1,200
Brake horsepower	65 at (rpm) 1,200
Ignition	6-8 volt; 17 plate battery 2

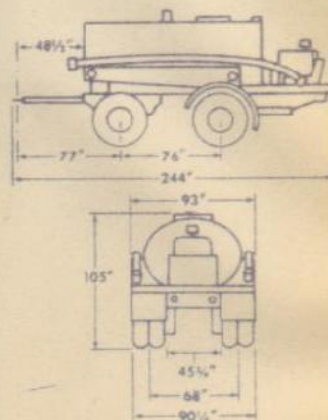
Capacities:

Fuel—gasoline	(gal)	29
Cooling	(qt)	61
Crankcase	(qt)	12
Center to center of bogie axles:	(in.)	53

DISTRIBUTOR, BITUMINOUS MATERIAL, TRAILER MOUNTED, 1,250 GAL



RA PD 347243



•
 Technical Manuals: 5-1132,
 TB 1132-1
 Parts List: ENG 7-D92, ENG 8-D52

Manufacturer: E. D. Etnyre and Company.
 Make of vehicle illustrated: E. D. Etnyre and Co.; Model
 MX-D5; Style RE.

Classification: Standard.
 Purpose: Used by Corps of Engineers for distributing
 spraying, heating, and transporting bituminous material.

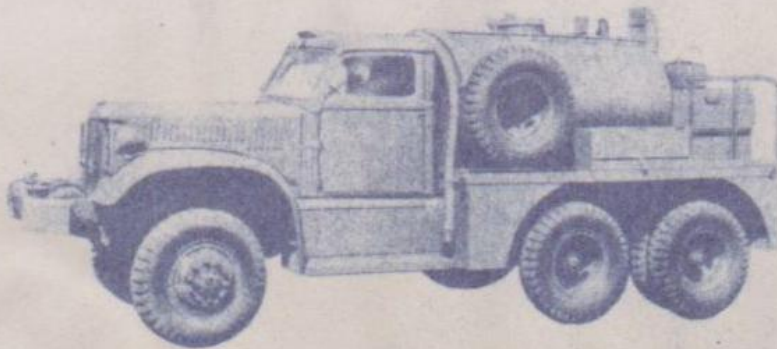
GENERAL DATA

Body type:	Special purpose (Tank)
Weight (lb): Net—10,700	Payload—10,300 Gross—21,000
Weight distribution (lb):	
Empty	Front axle—3,835; rear axle—6,865
Loaded	Front axle—7,000; rear axle—14,000
Loading height:	(in.) 105
Tires: Ply—10	Size—9.00 x 20 Operating—6
Maximum cool pressure (lb)	Front—65; rear—65
Ground clearance:	(in.) 14 1/4
Brakes: Service—air	Parking—hand, mechanical
Towing vehicles to be used:	Truck, 4-ton, 6 x 6
Shipping dimensions, assembled vehicle:	(cu ft) 1,301; (sq ft) 145.9

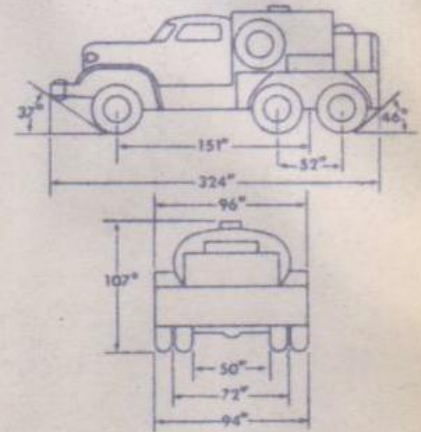
ADDITIONAL DATA

Engine:
 Make—Le Roi; Model—D-140—P7-3; Cylinders—4;
 Bore—3 1/4 in.;
 Stroke—4 in.; Displacement—154 cu in.; Governed speed—1,750
 rpm; Brake horsepower—28.5 at 1,750 rpm; Ignition—magneto.
 Capacity:
 Fuel (engine)—4 1/2 gal gasoline; Cooling system—4 1/2 gal water.
 Crankcase—4 qt; Transmission—6 lb.
 Burners: Fuel, 25 gal fuel oil; 5 gal gasoline.
 Trailer: Kingham HW.30.

DISTRIBUTOR, BITUMINOUS MATERIAL, TRUCK MOUNTED, 800 GAL



RA PD 347238



Technical Manuals: 5-1134, 9-811,
9-1811, 9-1825B, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A

Parts Lists: SNL G-509, ENG. 7-D52,
ENG. 8-D52

Manufacturers: Chassis—Diamond T Motor Car Co.
4-Ton, 6x6; Equipment—E. D. Etnyre.
Classification: Standard.

Purpose: Used by Corps of Engineers for distributing,
hand spraying, heating and transporting bituminous
material for paving surfaces.

GENERAL DATA

Crew:	2
Weight (lb): Net—21,550	Payload—7,050
	Gross—28,600
Rear axle: Gear ratio:	8.435:1
Axle load (lb):	
Loaded	Front—8,000; rear—on each—10,300
Empty	Front—7,650; rear—on each—6,950
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.):	Front—73½
Shipping dimensions:	
Uncrated	(cu ft) 1,926; (sq ft) 216
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height (loaded)	(in.) 36¾
Electrical system:	(volts) 12
No. of batteries	(6 volts each) 2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 48
Crankcase (refill)	(qt) 16
Transfer case	(qt) 5
Transmission (main)	(qt) 12
Differentials (qt)	Front—7; rear (each)—4
Load capacity	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions	(in.) 4
Transmission: Speeds	5
(Gear ratio: High—0.768 over; 4th—direct; Low—7.08:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 98.5
Turning radius (ft):	Right—37; left—38
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load: On highways	(lb) 11,000

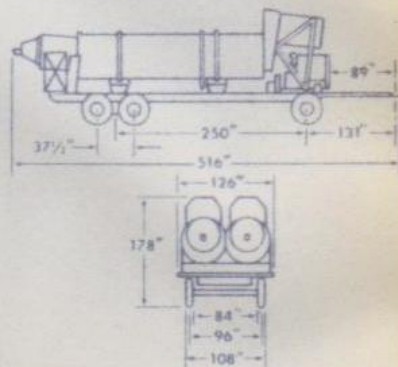
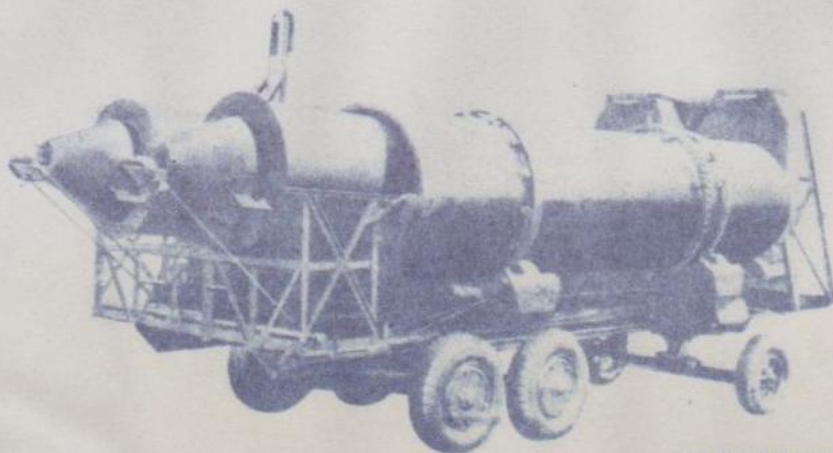
ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4½
Stroke:	(in.) 5¼
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

Distributor Engine—Le Roi D-140; Water cooled—4 cylinders:
Displacement—154; Bore and stroke—3½ x 4; Brake horsepower—
28.5 at 1750 rpm; Maximum governed speed—1,750 rpm.

DRYER, AGGREGATE, DUAL DRUM, 80 TO 150-TON PER HOUR, TRAILER MOUNTED



Technical Manual: 5-1994
Parts Lists: SNL ENG 7-D56,
ENG 8-D56

RA PD 347308

Manufacturer: Barber-Greene Company.
Make of vehicle illustrated: Barber-Greene Co.,
Model 833.

Classification: Standard.
Purpose: Used by Corps of Engineers to dry and heat
aggregate for bituminous material.

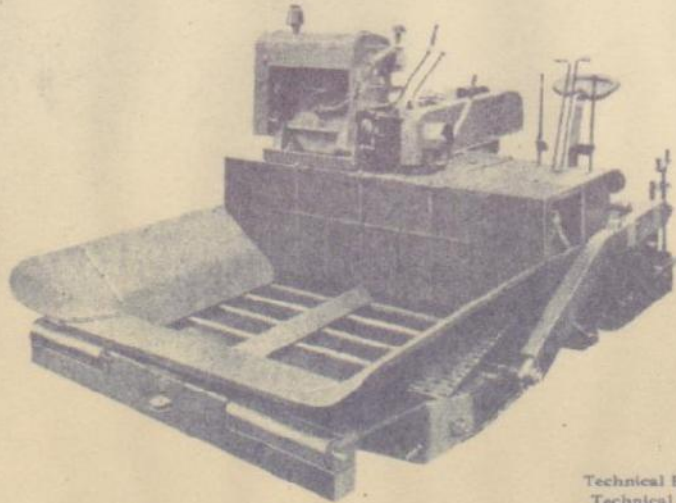
GENERAL DATA

Body type:	Special purpose
Weight (lb):	Gross—43,400
Weight distribution (lb):	
Empty	Front axle—11,650 (1); bogie axle—31,750
Tires:	
Operating	Front—2; rear—4
Ply	Front—12; rear—14
Size	Front—10.00 x 20; rear—12.00 x 20
Maximum cool pressure (lb):	Front—70; rear—75
Tread (in.): Center to center	Front—72
Ground clearance:	(in.) 11
Brakes: Service—air operated	Parking—hand
Towing vehicles to be used:	Tractor or truck, 6-ton, 6 x 6
Shipping dimensions, assembled vehicle:	
	32'—8 1/2 x 10'—8 x 13'—5; (cu ft) 4,680.9; (sq ft) 348.8

ADDITIONAL DATA

Engine: Make—Buda; Model—HP351; Cylinders—6, 3 1/4 in.,
stroke 5 1/4 in.; Displacement—351 cu ft.; Governed speed—1,400
rpm; Brake horsepower—62 hp at 1,400 rpm.
Capacity: Fuel—55 gal. gasoline; Cooling system—5 1/2 gal. water;
Crankcase—6 qt; Gear box—3 qt; Speed reducer—3 qt; Main
drive guard—5 qt.
Center to center of bogie axles: (in.) 37 1/2

FINISHER, ASPHALT, CRAWLER MOUNTED, GASOLINE DRIVEN, 12 FT.



Technical Bulletin: 5-9730-2
Technical Manual: 5-1005

Manufacturer: Barber-Greene Co.

Classification: Standard.

Make of vehicle illustrated: Barber-Greene Co.,
Model 879-A.

Purpose: Used by Corps of Engineers for laying, tamping and leveling bituminous material for road and airport construction.

GENERAL DATA

Body type	Special purpose	
Weight:		
Empty	(lb)	23,100
Loaded	(lb)	33,000
Attachments	(lb)	1,150
Weight distribution:		
2 crawlers	10 in. x 6 ft	
Ground contact	(sq in.)	1,440
Road speed in transit (ft per min):		
Forward		56; 81; 98; 142
Reverse		80; 116
Shipping dimensions for export, in 2 boxes:		
	(cu ft) 1,216; (sq ft)	108
Shipping weight for export	(lb)	35,200
Capacities:		
Fuel (gasoline)	(gal)	12
Cooling system	(gal)	4
Crankcase	(qt)	7
Transmission	(qt)	6
Transmission (secondary)	(gal)	2
Air cleaner	(pt)	1
Fuel tank, burner, and cleaning spray	(gal)	5
Agitator gear box	(qt)	1
Screed hoist	(qt)	3

Bore	(in.)	4
Stroke	(in.)	4
Brake horsepower	36 at (rpm)	1,400

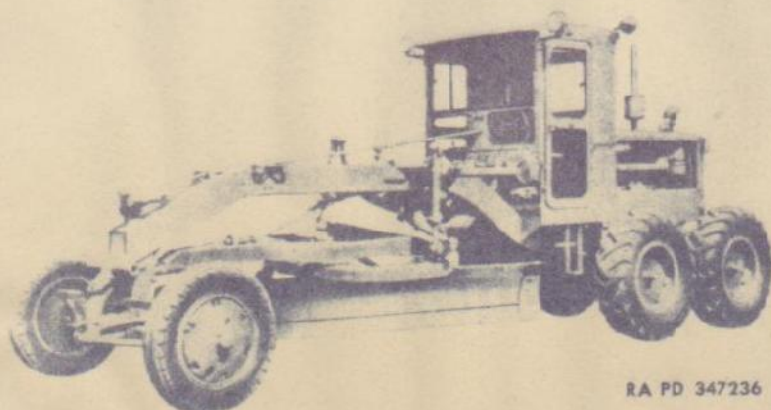
ADDITIONAL DATA

Starting: hand crank.

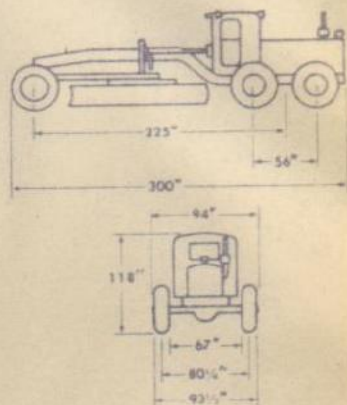
ENGINE

Manufacturer: LeRoi	Model D-101P3
Type	No. of cylinders 4
Displacement	(cu in.) 201

GRADER, ROAD, MOTORIZED, DIESEL ENGINE DRIVEN



RA PD 347236



Technical Manual: 5-1018

Manufacturers: Caterpillar Tractor Co.; Galion Iron Works and Manufacturing Co.
Classification: Standard.
Make of vehicle illustrated: Caterpillar Model 12.

Purpose: Used by Corps of Engineers for grading, shaping, ditching and general construction and maintenance of roads and runways.

GENERAL DATA

Crew	1
Weight (lb) Working (less scarifier) 22,853	Gross—24,053
Axis load (lb) Loaded (each)	Front—6,703; rear—8,075
Tires (4) Ply—10, Size—13.00x24, Pressure (lb)—Front 20; rear—85	
Tread, front:	
Center to center	(in.) 78 1/4
Outside to outside (in.)	Tires—91 1/2
Inside to inside (in.)	Tires— 65
Shipping dimensions:	
Uncrated	(cu ft) 1,178; (sq ft) 167.64
Vehicle dimensions:	
Ground clearance	(in.) 13 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (40 cetane Diesel fuel oil)	(gal) 40
Cooling system	(qt) 60
Crankcase (refill)	(qt) 23
Transmission (main)	(qt) 10
Differentials	(qt) 60
Brakes:	Type—hydraulic
Transmission: Speeds	6
(Gear ratio: High—15.2:1; Low—1.8:1)	

PERFORMANCE

Turning radius (ft):	Right—35 1/4; left—35 1/4
Fording depth:	(in.) 42
Allowable speed:	(mph) 15.2

ENGINE

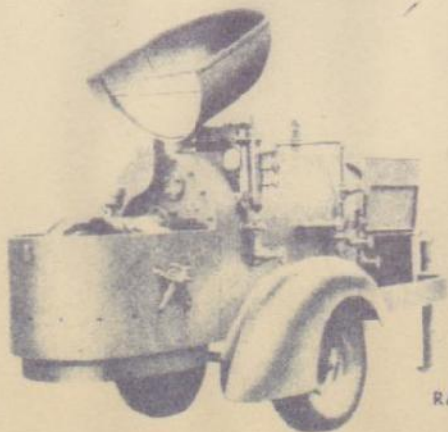
Manufacturer: Caterpillar	Model—Diesel No. 12
Type: Diesel—Water-cooled	No. of cylinders 6

Displacement:	(cu in.) 468
Bore:	(in.) 4 1/4
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 1,400
Brake horsepower:	75 at (rpm) 1,400

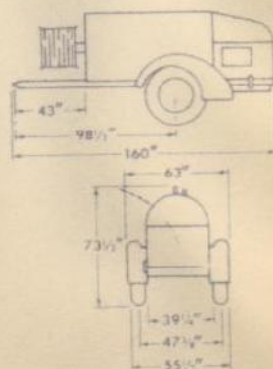
ADDITIONAL DATA

Height w/o cab (in.)	89
Height w/cab (in.):	118

HEATER, ASPHALT, TRAILER, MOUNTED, 2-CAR, 28 HP



RA PD 347184



Technical Manuals: 5-1042, 5-1044
Parts List: ENG 7-H25, ENG 8-H25

Manufacturer: Cleaver-Brooks Company.

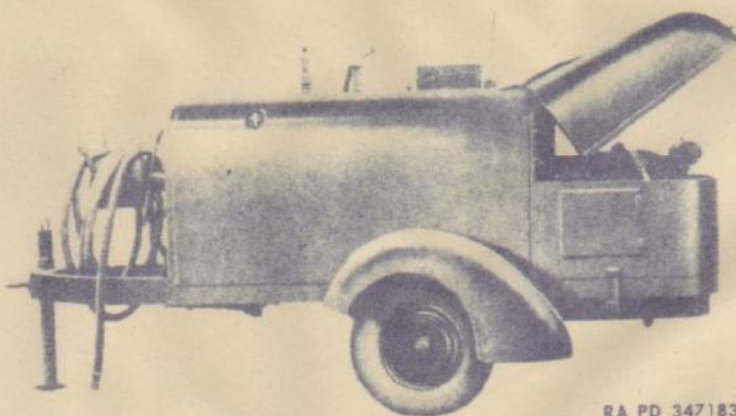
Classification: Limited standard.

Make of vehicle illustrated: Cleaver-Brooks Model DS-2.

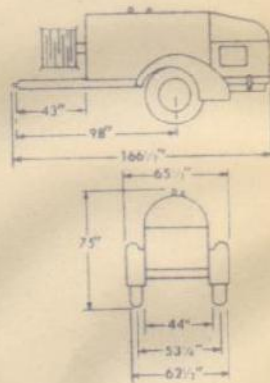
Purpose: Used by Corps of Engineers to heat bituminous material.

Weight (lb):	Gross—4,100
Weight distribution (lb):	
Empty	Lunette—400; axle—1,700
Tires: Ply—6	Size—7.50 x 16
Maximum cool pressure	(lb) 45
Ground clearance:	(in.) 13 1/2
Towing vehicles to be used:	Truck, 2 1/2-ton, 6 x 6
Shipping dimensions (assembled vehicle):	(cu ft) 354; (sq ft) 64.1

HEATER, ASPHALT, TRAILER, MOUNTED, 3-CAR, 42 HP



RA PD 347183



Technical Manuals: 5-1014, 5-1046
Parts Lists: ENG 7-H26, ENG 8-H26

Manufacturer: Cleaver-Brooks Company.

Classification: Standard.

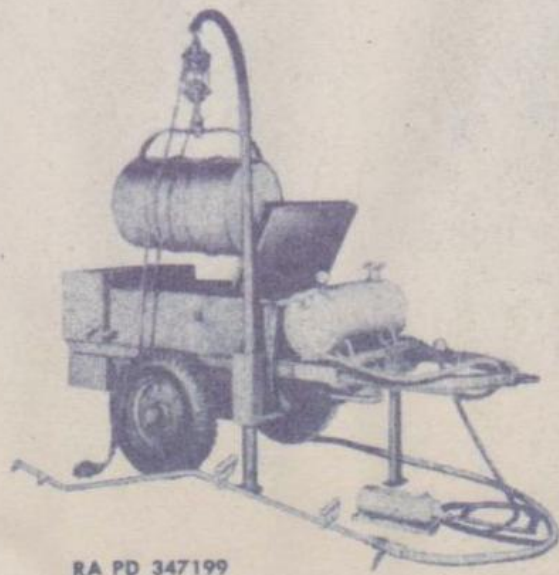
Make of vehicle illustrated: Cleaver-Brooks Model DS-3.

Purpose: Used by Corps of Engineers to heat bituminous material.

Weight (lb): Gross—5,400

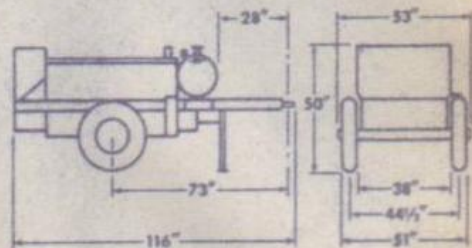
Weight distribution (lb):	
Empty	Lunette—400; axle—5,000
Tires: Ply—8	Size 7.50 x 20
Maximum cool pressure	(lb) 35
Ground clearance:	(in.) 15 1/2
Towing vehicles to be used:	Truck 2 1/2-ton, 6 x 6
Shipping dimensions, assembled vehicle:	(cu ft) 432; (sq ft) 75.4

KETTLE, ASPHALT, REPAIR, TRAILER MOUNTED, W/MOTOR DRIVEN HAND SPRAY, 110 GAL CAPACITY



RA PD 347199

Manufacturer: Littleford Brothers.
Classification: Standard.
Make of vehicle illustrated: Littleford Bros. Model 66US.
Purpose: Used by Corps of Engineers for heating and spraying tar or asphalt on roads or runways for repair and maintenance work.

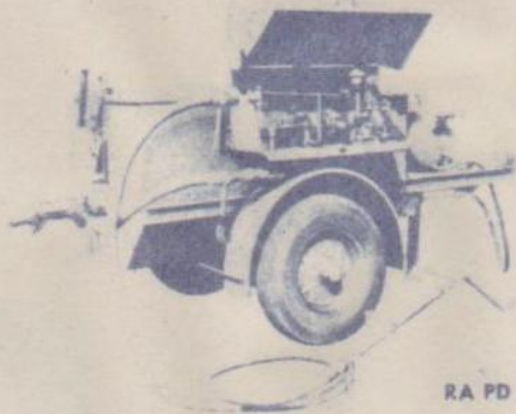


Technical Manual: 5-1156

Body type:	Special purpose—kettle
Weight (lb): Net—1,270	Payload—1,090
Weight distribution (lb): Empty—Lunette—250	Axle—1,020
	Loaded—Lunette—250
	Axle—1,110
Loading height:	(in.) 41
Tires: Ply—6	Size—6.00 x 16; Operating—2
	Maximum cool pressure (lb) 40
Ground clearance:	(in.) 11
Towing vehicles to be used:	Crawler tractor, Clark-CA-1,
	Wheeled tractor, Case S1 Airborne, or trucks
	3/4-ton, 4 x 4
Shipping dimensions, assembled vehicle:	(cu ft) 155; (sq ft) 44.4

Engine: Make—Lauson, Model RSC-558 and 586; cylinders—1;
Bore—2-inch; Stroke—1 1/4-inch; Displacement—5.9 cu. in.;
Governed speed—2400 rpm; Brake horsepower—1.1 at 2400.

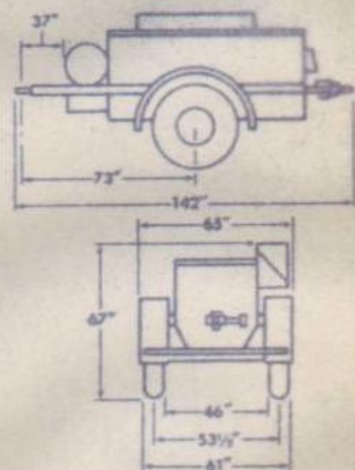
165 GAL CAPACITY



RA PD 347242

Manufacturer: Littleford Brothers Company.
Classification: Standard.
Make of vehicle illustrated: Littleford Brothers Model 84HD3.
Purpose: Used by Corps of Engineers for heating and spraying tar or asphalt on roads and runways for repair or maintenance work.

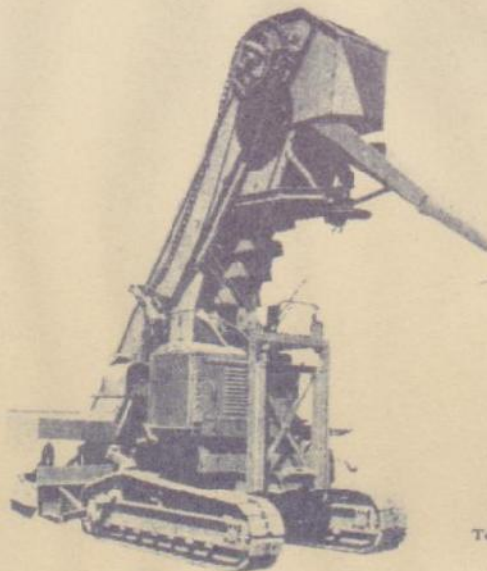
Body type:	Special Purpose—Kettle
Weight (lb): Net—1,575	Payload—1,425
Weight distribution (lb): Empty	Lunette—275; axle—1,300
	Loaded
	Lunette—275; axle—2,725
Tires: Ply—6	Size—7.00 x 16
	Operating—2
	Maximum cool pressure (lb) 35
Ground clearance:	(in.) 14



Technical Manuals: 5-1154, 5-1158
Parts List: ENG 7-K29

Towing vehicles to be used:	Truck, 2 1/2-ton, 6 x 6
Shipping dimensions, assembled vehicle:	(cu ft) 264; (sq ft) 53.5
Engine Make:	Lauson, Model RSC-341
	+RSC-627
No. of cylinders:	1
Bore:	(in.) 2
Stroke:	(in.) 1 1/4
Displacement:	(cu in.) 5.9
Governed speed:	(rpm) 2,400
Brake horsepower:	1.1 at (rpm) 2,400
	Or—A Engine—Briggs & Stratton BP.

LOADER, AGGREGATE, BUCKET, CRAWLER MOUNTED, GASOLINE DRIVEN, 3 CU YD, 17 FT 4 IN. BOOM



Technical Bulletin: 5-9729-2
Technical Manuals: 5-1016, 5-1006

Manufacturer : Barber-Greene Co.

Classification: Limited Standard.

Make of vehicle illustrated: Barber-Greene Co.,
Model 82AM.

Purpose: Used by Corps of Engineers for loading aggregates from the ground or from a dryer into an asphalt mixer.

GENERAL DATA

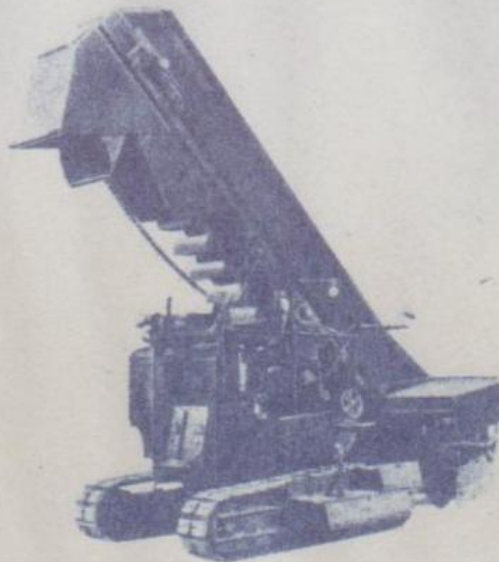
Body type	Special purpose
Weight:	
Empty	(lb) 19,855
Loaded	(lb) 20,405
Weight distribution:	
2 crawlers	14 in. x 7 ft 8 in.
Ground contact	(sq in.) 1,576
Road speed in transit (ft per min):	
Forward	58; 183; 251
Reverse	47
Shipping dimensions for export, in 2 boxes	
.....	(cu ft) 1,303; (sq ft) 183
Shipping weight for export	(lb) 28,557
Capacities:	
Fuel (gasoline)	(gal) 25
Cooling system	(gal) 5½
Crankcase	(qt) 6
Transmission	(qt) 8
Air cleaner	(qt) 1
High speed chain reservoir	(qt) 2
Hoist gear case	(qt) 1

ADDITIONAL DATA

ENGINE

Manufacturer: Buda	Model HP-298
Type	No. of cylinders 6
Displacement	(cu in.) 298
Bore	(in.) 3½
Stroke	(in.) 4½
Brake horsepower	50 at (rpm) 1,400

LOADER, AGGREGATE, BUCKET, CRAWLER MOUNTED, GASOLINE DRIVEN, 3 CU YD, 18 FT 10 IN. BOOM, GENERAL PURPOSE



Manufacturer: Barber-Greene Co.
Classification: Standard.

Purpose: Used by Corps of Engineers for loading aggregates into asphalt mixers, dryers or trucks.

GENERAL DATA

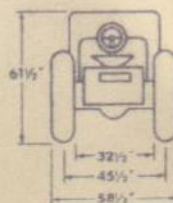
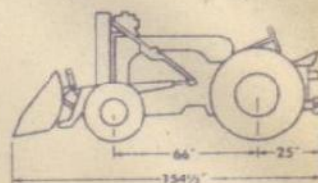
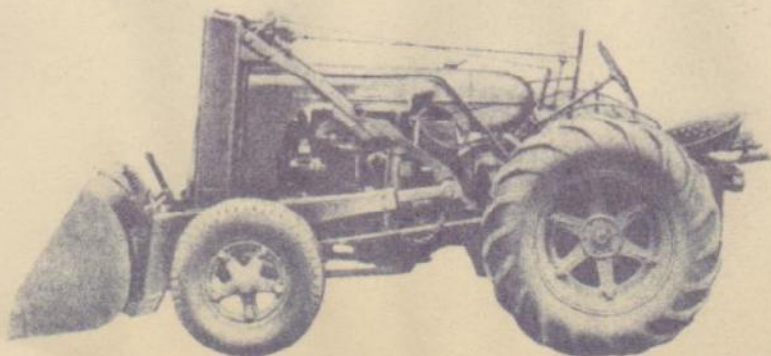
Body type	Special purpose
Weight:	
Empty	(lb) 20,000
Loaded	(lb) 20,800
Accessories	(lb) 400
Weight distribution:	
2 crawlers	14 in. x 7 ft 8 in.
Ground contact	(sq in.) 1,576
Road speed in transit (ft per min):	
Forward	58; 183; 251
Reverse	47
Shipping dimensions for export, in 2 boxes	
	(cu ft) 1,373; (sq ft) 205
Shipping weight for export	(lb) 28,000
Capacities:	
Fuel (gasoline)	(gal) 25
Cooling system	(gal) 5½
Crankcase	(qt) 6
Transmission	(qt) 8
Air cleaner	(qt) 1
High speed chain reservoir	(qt) 2
Hoist gear case	(qt) 1

ENGINE

Manufacturer: Buda	Model HP-326
Type: 4-cycle	No. of cylinders 6
Displacement	(cu in.) 326
Bore	(in.) 3½
Stroke	(in.) 4¾
Brake horsepower	50 at (rpm) 1,200

ADDITIONAL DATA

LOADER, SHOVEL, TRACTOR MOUNTED, HYDRAULIC, 1/3 CU YD



RA PD 347293

Technical Manual: 5-3014

Manufacturer: Tractor—J. I. Case Co.; Equipment—F. G. Hough Co.

Classification: Standard.

Make of vehicle illustrated: Frank G. Hough on Case Model SI Airborne Tractor.

Purpose: For filling, leveling, grading and loading.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—4,300
Axle load (lb): Empty	Front—2,200; rear—2,100
Tires: Front: Ply—6; Size—7.50 x 16	Pressure (lb) 28
Rear tires 12.00 x 24, 6 ply	(inflation pressure) (lb) 11
Tread, center to center (in.):	Front—46
Outside to outside	(in.) 54
Inside to inside	(in.) 38
Shipping dimensions: Uncrated	(cu ft) 317.8; (sq ft) 62
Vehicle dimensions:	
Ground clearance	(in.) 10 3/4
Pintle height (empty)	(in.) 14
Electrical system:	Magneto
Capacities:	
Fuel (70 octane gasoline)	(gal) 14
Cooling system	(qt) 16
Crankcase	Refill (qt) 5
Transmission (main)	(qt) 36
Brakes:	Type—disk
Dimensions	6-inch diameter
Transmission: Speeds	4
(Gear ratio: Low—7.76:1; High—1.95:1)	

PERFORMANCE

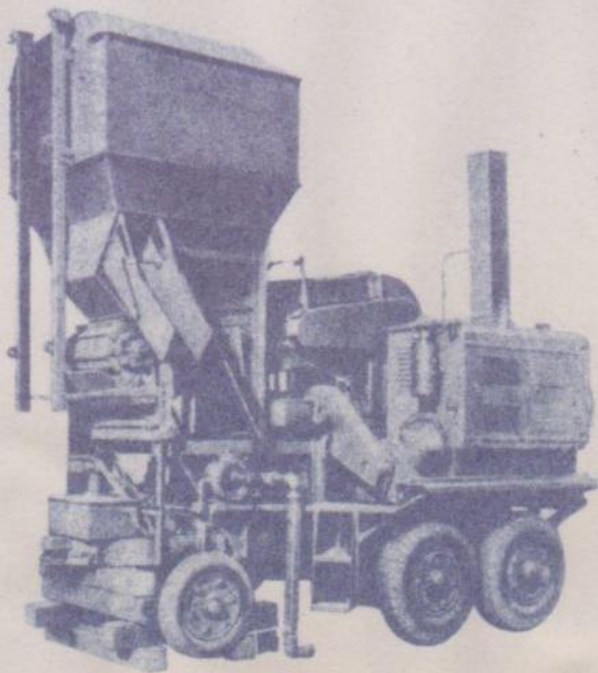
Turning radius:	Right—9'9"; left—9'9"
Fuel consumption (mpg):	gal. per 100 hours operation—216
Allowable speed:	(mph) 10
Lifting capacity:	(lb) 1,300

ENGINE

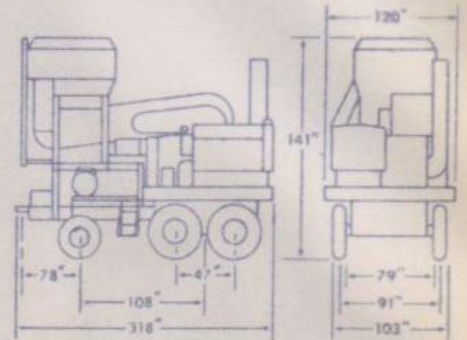
Manufacturer: Case	Model SI
Type: Valve-in-head	No. of cylinders 4
Displacement:	(cu in.) 153.9
Bore:	(in.) 3 1/2
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 1,550
Brake horsepower:	28.5 at (rpm) 1,550

ADDITIONAL DATA

MIXER, ASPHALT, DIESEL ENGINE DRIVEN, TRAVEL OR CENTRAL PLANT, TRAILER MOUNTED



RA PD 347289



Technical Manual: 5-1002
Parts Lists: ENG 7-M45,

Manufacturer: Barber-Greene Company.
Make of vehicle illustrated: Barber-Greene Model 848, heavy duty.
Classification: Standard.
Purpose: Used by Corps of Engineers for mixing bituminous material.

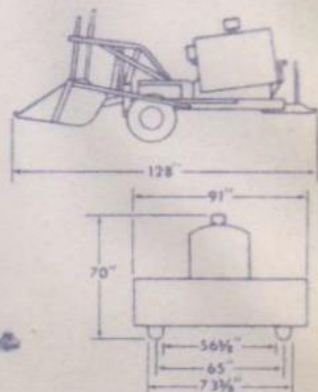
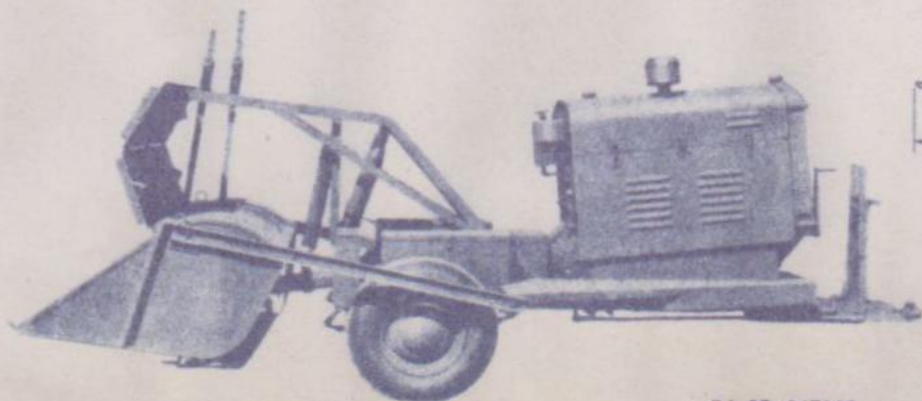
GENERAL DATA

Weight (lb): Gross—35,300
Weight distribution (lb):
Empty Front axle—5,340; rear axles (each) 14,930
Tires:
Operating Front—2; rear—4
Ply Front—8; rear—14
Size Front—7.50 x 20; rear—12.00 x 20
Maximum cool pressure (lb) Front—75; rear—75
Ground clearance: (in.) 12
Brakes: Service—air operated Parking—hand
Towing vehicles to be used: Truck, 6-ton, 6 x 6
Shipping dimensions, assembled vehicle, 6 packages,
(cu ft) 2,596; (sq ft) 265

ADDITIONAL DATA

Engine: Diesel driven, travel or central plant; 110 to 200 tons per hr.
Make—Buda; Model 6-DH-691; Cylinders—6; Displacement—691 cu in.; Bore—4 $\frac{3}{4}$ in.; Stroke—6 $\frac{1}{2}$ in.; Governed speed—1,360 rpm; Brake horsepower—96 at 1,360 rpm; Battery—6-volt, 25 plate.
Capacities: Fuel—20 gal Diesel oil; Crankcase—12 qt; Cooling—16 gal; Gear box—11 qt; Gear box—12 qt.

MIXER, ROTARY TILLER, SOIL STABILIZATION, GASOLINE ENGINE DRIVEN, SELF-POWERED, TRAILER MOUNTED



RA PD 347190

Technical Manual: 5-1034
Parts List: SNL 7-M50

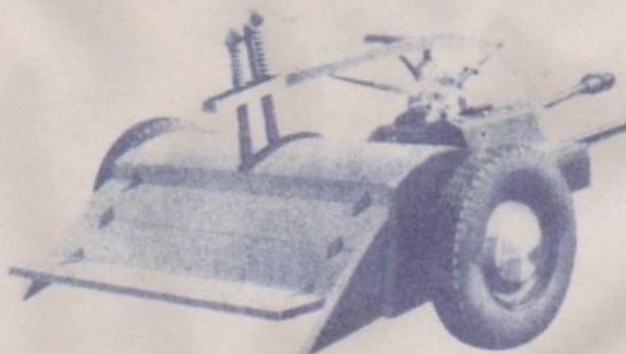
Manufacturer: Seaman Motors.
Classification: Standard.
Vehicle illustrated: Seaman Motors, Model MHD72.
Purpose: Used by Corps of Engineers for soil stabilization.

Weight: (lb) Gross—4,200
Tires: Ply—6 Size—7.50 x 16 Operating—2
Maximum cool pressure (lb) 48

Ground clearance: (in.) 5
Towing vehicles to be used: Case D1
Shipping dimensions, assembled vehicle:
(cu ft) 471.8; (sq ft) 80.8

Engine: Gasoline driven, self-powered.
Make—Waukesha; Model—6MZRU; Displacement—404 cu in.;
Bore—4 1/4 in.; Stroke—4 1/4 in.; Brake horsepower—24.8; Governed
speed—600 rpm; No. of cylinders—6.

MIXER, ROTARY TILLER, SOIL STABILIZATION, POWER TAKE-OFF, TRAILER MOUNTED



Technical Manual: 5-1126

Manufacturer: Seaman Motors.

Make of vehicle illustrated: Seaman Motors, Model ABT 48.

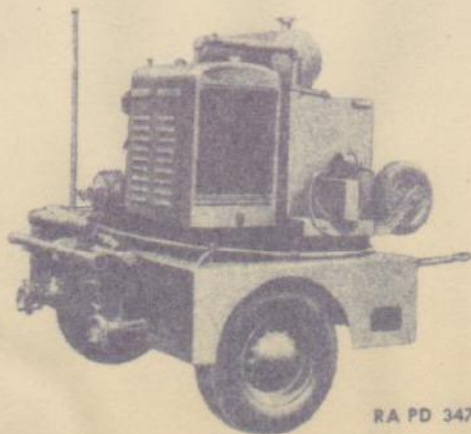
Classification: Standard.

Purpose: Used by Corps of Engineers to pulverize and mix materials in place.

GENERAL DATA

Weight: (lb) Net—1,700
Tires: Ply—6 Size—6.00 x 16
Maximum cool pressure (lb) 26
Ground clearance (in.) 8
Working speed (mph) 1.5–3.00
Towing vehicle to be used Truck or wheeled tractor, 23 dbhp
Shipping dimensions, assembled vehicle: (cu ft) 255; (sq ft) 88
Shipping weight (lb) 3,413

PUMP, ASPHALT, TRAILER MOUNTED, W/DISTRIBUTOR ATTACHMENTS



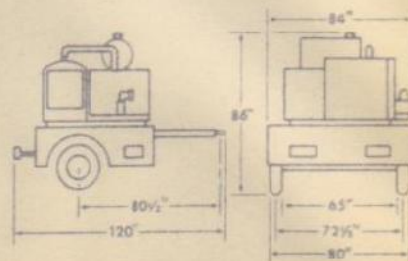
RA PD 347306

Manufacturer: Littleford Bros.

Make of vehicle illustrated: Littleford Bros., Model US-3C.

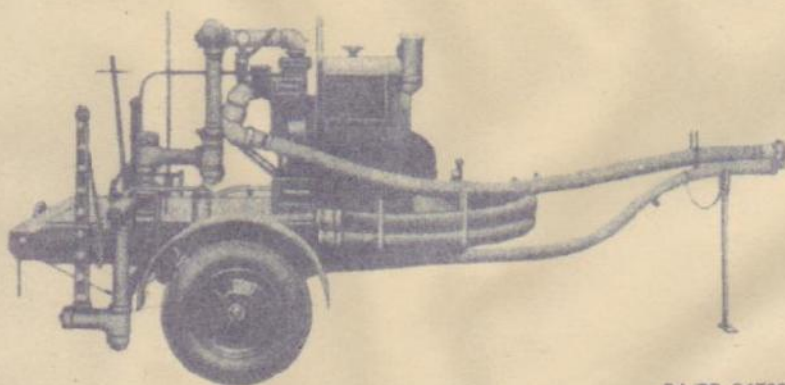
Classification: Standard.

Purpose: Used by Corps of Engineers to spray bituminous material on roads or runways, and for transferring asphalt from one container to another.



Body type:	Special purpose
Weight (lb):	Gross—4,230
Weight distribution (lb):	
Empty	Lunette, 230; Axle—4,000
Tires: Ply—8; Size—7.50 x 16.	Operating—2
Maximum cool pressure (lb):	48
Ground clearance:	(in.) 13
Towing vehicles to be used:	Truck, Asphalt Supply Tank
Shipping dimensions, assembled vehicle: (cu ft) 293; (sq ft) 63.7	
Engine: Make—LeRoi, Model—D140	No. of cylinders—4
Bore—3 1/4	Stroke—3 1/4
Displacement	(cu in.) 140
Governed speed	(rpm) 1500
Brake horsepower:	28 at (rpm) 1500
Capacities:	
Fuel	(gal) 7
Cooling	(qt) 22
Crankcase	(qt) 5
Transmission	(pt) 3

PUMP, WATER, TRAILER MOUNTED, W/DISTRIBUTOR ATTACHMENTS



RA PD 347307

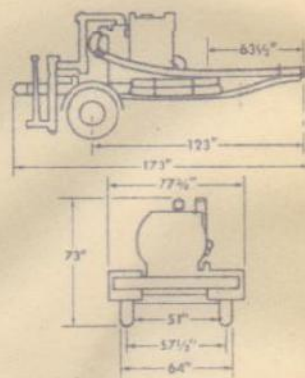
Manufacturer: Rosco Manufacturing Company.

Classification: Standard.

Make of vehicle illustrated: Rosco Manufacturing Co., Model MAE.

Purpose: Used by Corps of Engineers for applying water to subgrades and stabilized areas.

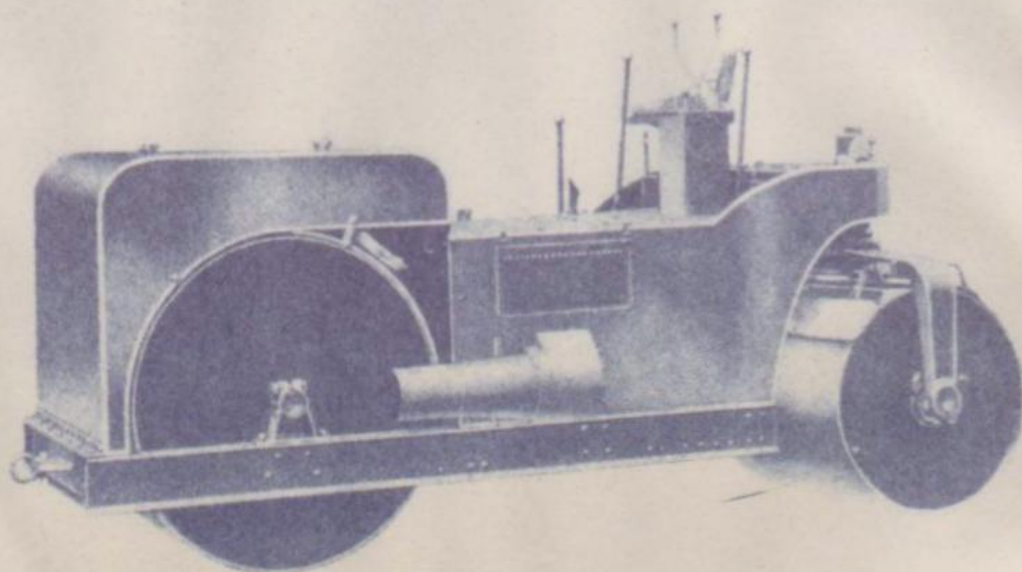
Body type: Special purpose—pump
Weight (lb): Gross—2,230



Weight distribution (lb):	Empty—Lunette, 230; Axle, 2,000
Tires: Ply—6; Size—6.00 x 16;	Operating—2
Maximum cool pressure	(lb) 30
Towing vehicles to be used:	Various
Shipping dimensions, assembled vehicle: (cu ft) 210; (sq ft) 35.1	
Engine: Air-cooled. Make—Wisconsin; Model—VE4-I; No. of cylinders—4; Bore—3 in.; Stroke—3 1/4 in.; Displacement—91.9;	
Governed speed—2200 rpm; Brake horsepower—20 at 2200 rpm.	

ROLLER, ROAD, GASOLINE DRIVEN, TANDEM, 2 AXLE, 5 TO 8-TON

R & V. I. KGS
REGISTERED



Technical Bulletin: 5-9729-8
Technical Manual: 5-1142

Manufacturer: Buffalo-Springfield Roller Co.

Make of vehicle illustrated: Buffalo-Springfield Roller Co., Model KT-16.

Classification: Standard.

Purpose: Used by Corps of Engineers for finish rolling of asphalt, macadam, or stabilized surfaces on military roads and runways.

GENERAL DATA

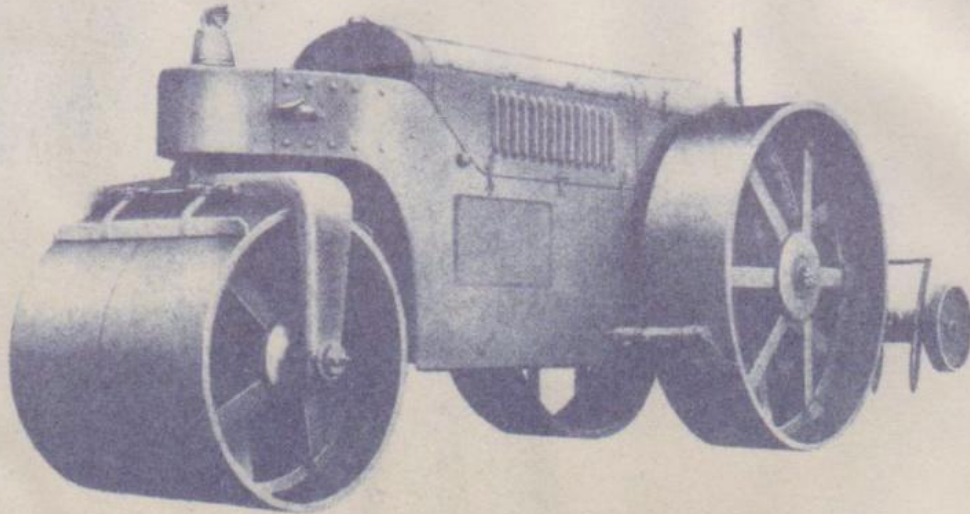
Body type	Special purpose
Weight:	
Empty	(lb) 11,650
Loaded	(lb) 17,630
Weight distribution (lb):	
Empty	Front axle—3,880; rear axle—7,770
Loaded	Front axle—6,610; rear axle—11,020
Compression per linear in. on rolls (lb):	
Empty	Front roll—93; rear roll—140
Loaded	Front roll—129; rear roll—224
Rolling width	(in.) 50
Working Speed (mph):	
Forward or reverse	1.96-3.10
Brakes	Foot, mechanical
Coupling	Rear—drawbar; front—lunette
Shipping dimensions for export, in 2 boxes	
(cu ft) 714; (sq ft) 95	
Shipping weight for export	(lb) 14,400
Capacities:	
Fuel (gasoline)	(gal) 25
Cooling system	(qt) 16
Crankcase	(qt) 5
Transmission	(qt) 6
Air cleanser	(pt) ½
Hydraulic steering system	(qt) 46
Sprinkler tank	(gal) 100
Drive roll	(gal) 378
Guide roll	(gal) 216

ENGINE

Manufacturer: Continental	Model F-226
Type	No. of cylinders 6
Displacement	(cu in.) 226
Bore	(in.) 3½
Stroke	(in.) 4½
Brake horsepower	46 at (rpm) 1,400

ADDITIONAL DATA

ROLLER, ROAD, DIESEL OR GASOLINE DRIVEN, 3W, 10-TON



Technical Bulletin: 5-9726-8
Technical Manual: 5-1100

Manufacturer: Galion Iron Works.

Classification: Standard.

Make of vehicle illustrated: Galion Iron Works Model "Chief."

Purpose: Used by Corps of Engineers for heavy-duty rolling of aggregates or other surfaces on military roads and runways.

GENERAL DATA

Body type	Special purpose
Weight (lb)	Net—20,050
Weight distribution (lb)	Front axle—6,525; rear axle—13,525
Compression per linear in. on rolls (lb):	
Front—150; rear—335	
Rolling width	(in.) 76
Working speed (mph):	
Forward or reverse	1.4, 2.9, 5.0
Brakes	Hand, mechanical
Coupling	Rear—drawbar; front—hooks
Shipping dimensions for export, in 5 boxes	(cu ft) 689; (sq ft) 175
Shipping weight for export	(lb) 22,300

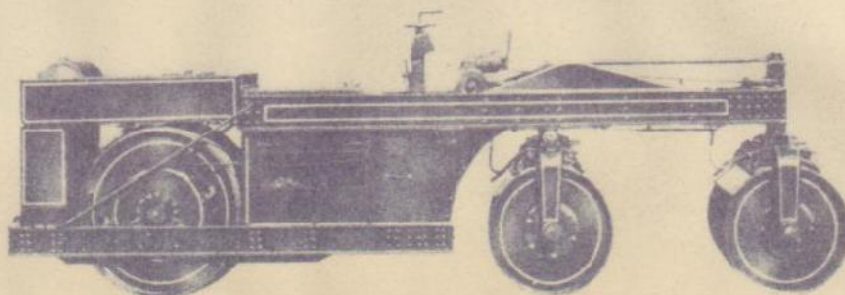
ENGINE

a. Diesel	Model UD-9
Manufacturer: International	
Type	No. of cylinders 4
Displacement	(cu in.) 334.5
Bore	(in.) 4.4
Stroke	(in.) 5.5
Brake horsepower	52 at (rpm) 1,350
Capacities:	
Fuel (Diesel)	(gal) 31
Gasline tank	(gal) 7½
Cooling system	(gal) 13
Crankcase	(qt) 11
Transmission	(qt) 22

Drive cases	(qt) 6
Air cleaner	(pt) 3½
Injection pump	(pt) ¾
b. Gasoline	Model WXLC-3
Manufacturer: Hercules	
Type	No. of cylinders 6
Displacement	(cu in.) 404
Bore	(in.) 4¼
Stroke	(in.) 4¾
Brake horsepower	65 at (rpm) 1,200
Capacities:	
Fuel	(gal) 39
Cooling system	(gal) 7½
Crankcase	(qt) 8
Transmission and differential	(qt) 40
Air cleaner	(pt) ¾

ADDITIONAL DATA

ROLLER, ROAD, GASOLINE DRIVEN, TANDEM, 3 AXLE, 9 TO 14-TON



Technical Bulletin: 5-9720-8
Technical Manual: 5-1154

Manufacturer: Buffalo-Springfield Roller Co.

Make of vehicle illustrated: Buffalo-Springfield Roller Co., Model KX-16.

Classification: Standard.

Purpose: Used by Corps of Engineers for finish rolling of asphalt, macadam, or stabilized surfaces on military roads and runways.

GENERAL DATA

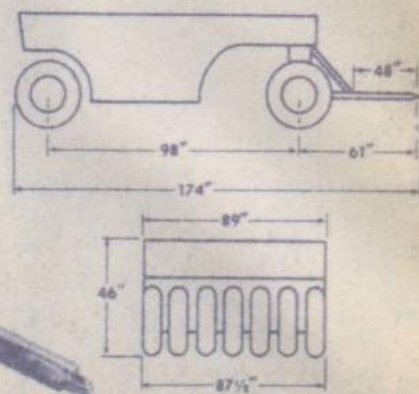
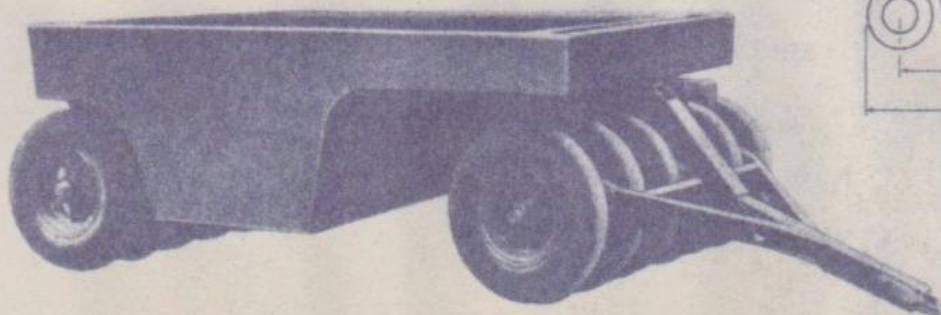
Body type	Special purpose
Weight:	
Empty	(lb) 18,800
Loaded	(lb) 28,350
Weight distribution (lb):	
Empty	Front axle (each)—3,950; rear axle—10,900
Loaded	Front axle (each)—5,950; rear axle—16,450
Compression per linear in. on rolls (lb):	
Empty	Front roll (each)—94; rear roll—220
Loaded	Front roll (each)—134; rear roll—312
Rolling width	(in.) 50
Working speed (mph):	
Forward or reverse	1.83 2.79
Brakes	Handwheel, mechanical
Coupling	Rear—drawbar; front—junette
Shipping dimensions for export, in 4 boxes:	
	(cu ft) 1,009; (sq ft) 210
Shipping weight for export	(lb) 25,990
Capacities:	
Fuel (70 octane gasoline)	(gal) 35
Cooling system	(gal) 6
Crankcase	(qt) 10
Transmission	(qt) 2½
Air cleaner	(pt) ½
Bevel gear box	(qt) 4
Ballast system	(gal) 125
Sprinkler tank	(gal) 193
Drive roll	(gal) 360
Guide rolls	(gal) 432

ENGINE

Manufacturer: Continental	Model F-226
Type	No. of cylinders 6
Displacement	(cu in.) 226
Bore	(in.) 3½
Stroke	(in.) 4½
Brake horsepower	46 at (rpm) 1,400

ADDITIONAL DATA

ROLLER, ROAD, TOWED, RUBBER TIRED, 2 AXLE, 13 W



RA PD 347157

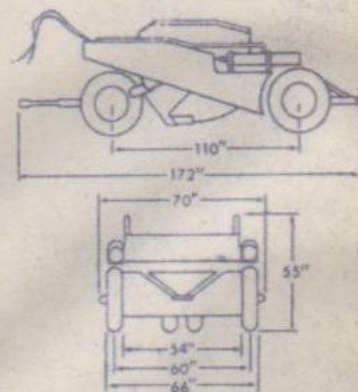
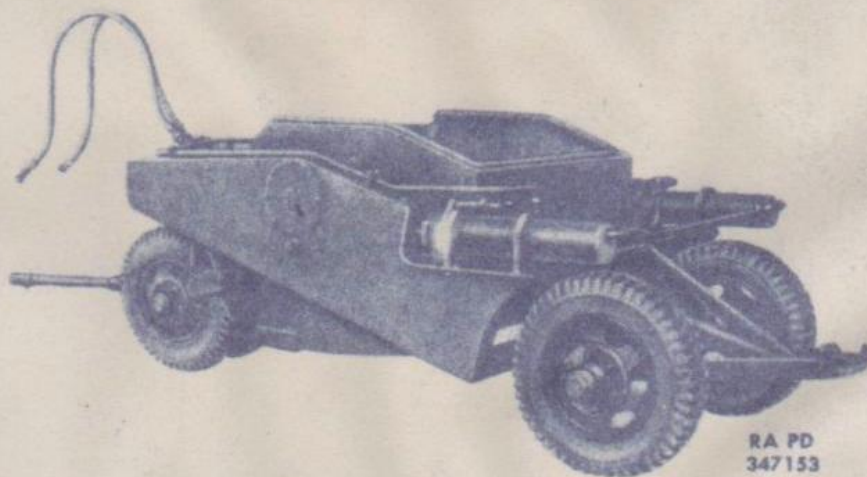
Technical Manual: 5-1149

Manufacturer: William Bros Boiler and Mfg. Co.
 Classification: Standard.
 Purpose: Used by Corps of Engineers for rolling and compacting subgrades on roads and runways.

Tires (smooth): Ply—4 Size—7.50 x 15 Operating—13
 Maximum cool pressure (lb) Front—25; rear—25

Weight (lb): Net—3,550 Payload—11,300 Gross—14,850
 Weight distribution (lb):
 Empty Front axle—2,100; rear axle—1,450
 Loaded Front axle—7,230; rear axle—7,620
 Loading height: (in.) 46
 Tread (in.): Outside to outside Front—74
 Towing vehicles to be used: Tractor or 4-ton, 6 x 6 Truck
 Shipping dimensions, assembled vehicle: (cu ft) 288; (sq ft) 106.9
 Pintle height (in.): Rear—33

SCRAPER, ROAD, TOWED TYPE, HYDRAULIC OPERATED, 1 1/2 CU YD



RA PD 347153

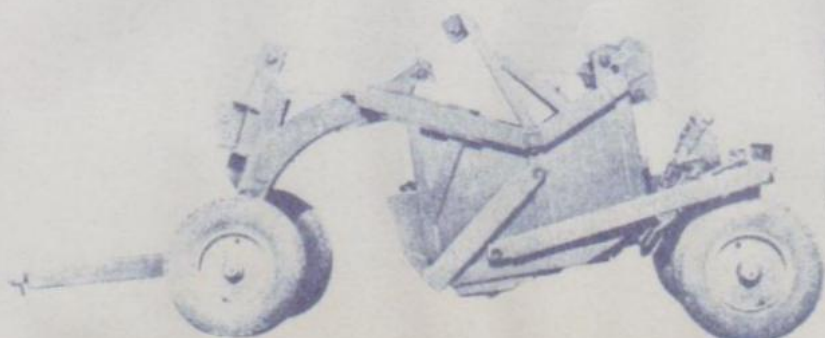
Technical Manual: 5-1198
 Parts List: SNL ENG 7-S37-1

Manufacturer: La Plante-Choate Mfg. Co.
 Classification: Standard.
 Make of vehicle illustrated: La Plante-Choate Model CAB.
 Purpose: Used by Corps of Engineers to self-load, haul, dump, and spread earth in construction work (airborne).

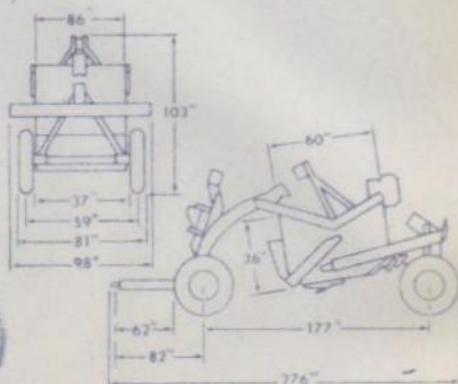
Body type: Special purpose—scraper

Weight (lb): Net—2,400; Payload—3,000, 1 1/2 cu yd. Gross—5,400
 Weight distribution (lb):
 Empty Front axle—1,152; rear axle—1,248
 Loaded Front axle—2,592; rear axle—2,808
 Tires: Ply—6 Size—6.00 x 16 Operating—4
 Maximum cool pressure (lb) Front—40; rear—40
 Ground clearance: (in.) 11
 Towing vehicles to be used: Wheeled tractor—Case, SI Airborne
 Shipping dimensions, assembled vehicle: (cu ft) 320; (sq ft) 58.3

SCRAPER, ROAD, TOWED TYPE, CABLE OPERATED, 3½ CU YD



RA PD 347152



Technical Manual: 5-1206

Manufacturer: R. G. Le Tourneau Inc.
 Classification: Standard.
 Make of vehicle illustrated: R. G. Le Tourneau Model "D"
 Purpose: Used by Corps of Engineers to self-load, haul, and spread earth in construction work.

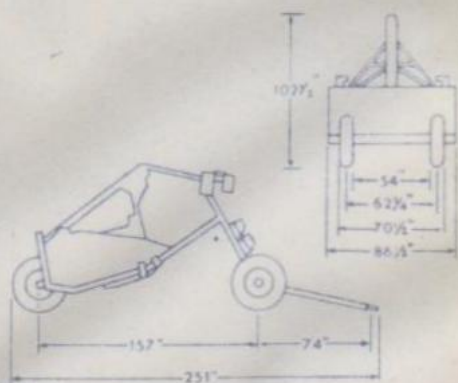
Body type: Special purpose—scraper
 Weight (lb): Net—7,450 Payload—3½ cu yd Gross—16,200

Weight distribution (lb):
 Empty Front axle—3,200; rear axle—4,250
 Loaded Front axle—6,120; rear axle (approx.)—10,080
 Tires: Ply 10 Size—8.25 x 20 Operating—4
 Maximum cool pressure (lb) Front—50; rear—60
 Front tread (in.):
 Center to center—53½; outside to outside—61½; inside to inside—45
 Ground clearance: (in.) 12½
 Towing vehicles to be used: Tractors
 Shipping dimensions, assembled vehicle: (cu ft) 514; (sq ft) 70

SCRAPER, ROAD, TOWED TYPE, CABLE OPERATED, 6 CU YD



RA PD 347154



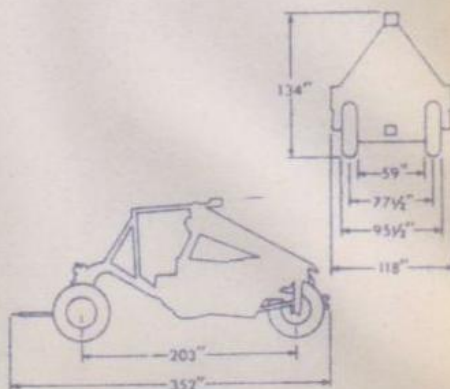
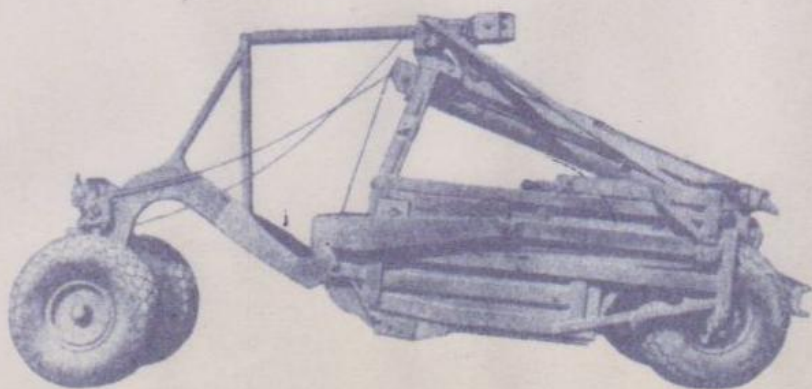
Technical Manual: 5-1208
 Parts List: ENG 7-S32-1

Manufacturer: R. G. Le Tourneau, Inc.
 Classification: Standard.
 Make of vehicle illustrated: R. G. Le Tourneau Model "M."
 Purpose: Used by Corps of Engineers to self-load, haul, and spread earth in construction work.

Body type: Special purpose—scraper
 Weight (lb): Net—11,200; Payload—15,000; 6 cu yd; Gross—26,200
 Weight distribution (lb):
 Empty Front axle—4,620; rear axle—6,600
 Loaded Front axle—10,100; rear axle—16,100

Tires: Ply—12 Size—10.00 x 20 Operating—6
 Maximum cool pressure (lb) Front—60; rear—60
 Front tread (in.):
 Center to center: (in.) 56½
 Outside to outside: (in.) 66½
 Inside to inside: (in.) 46
 Ground clearance: (in.) 9½
 Towing vehicles to be used: Tractors
 Shipping dimensions, assembled vehicle: (cu ft) 677; (sq ft) 83

SCRAPER, ROAD, TOWED TYPE, CABLE OPERATED, 8 CU YD



RA PD 347158

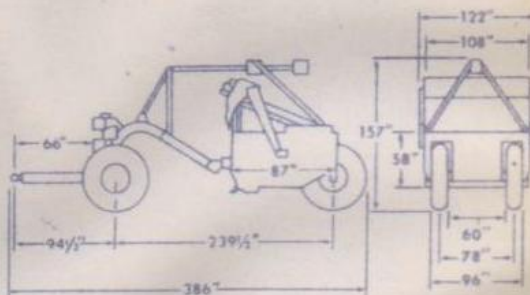
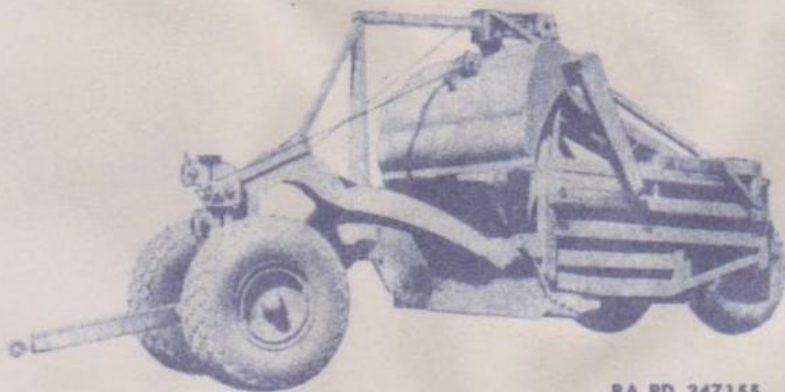
Technical Manual: 5-1216
Parts List: ENG 7-S36-1

Manufacturer: R. G. Le Tourneau, Inc.
Classification: Standard.
Purpose: Used by Corps of Engineers to self-load, haul, and spread earth in construction work.

Weight (lb):
Net—15,050 Payload—20,000 (8 cu yd) Gross—35,050
Weight distribution (lb):
Empty..... Front axle— 5,750; rear axle— 9,300
Loaded..... Front axle—12,250; rear axle—22,800

Tires: Ply—16..... Size—16.00 x 20..... Operating—4
Maximum cool pressure (lb)..... Front—45; rear—45
Front tread (in.):
Center to center—66; outside to outside—83½; inside to inside—48½
Ground clearance:..... (in.) 15½
Towing vehicles to be used: Tractors—Caterpillar 6-7-8 with power control unit.
Shipping dimensions, assembled vehicle: 11'9" x 10'3" x 8'11"
(cu ft) 1,080; (sq ft) 120.4
Pintle height (in.):..... Rear—18

SCRAPER, ROAD, TOWED TYPE, CABLE OPERATED, 12 CU YD



RA PD 347155

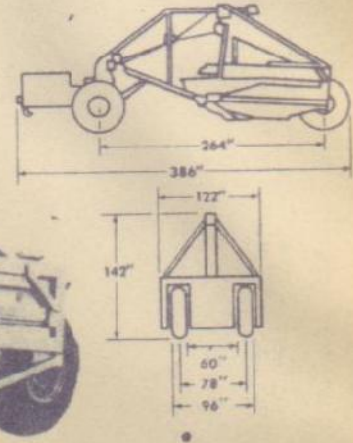
Technical Manual: 4-1212
Parts List: ENG 7-S34-1

Manufacturer: R. G. Le Tourneau, Inc.
Classification: Standard.
Make of vehicle illustrated: R. G. Le Tourneau, Model LP.
Purpose: Used by Corps of Engineers to self-load, haul, and spread earth in construction work.

Body type:..... Special purpose—scraper
Weight (lb):
Net—19,550 Payload—30,000 (12 cu yd) Gross—49,550

Weight distribution (lb):
Empty..... Front axle— 7,450; rear axle—12,100
Loaded..... Front axle—18,550; rear axle—31,000
Tires: Ply—12..... Size—18.00 x 24..... Operating—4
Maximum cool pressure (lb)..... Front—30; rear—40
Front tread (in.):
Center to center—64½; outside to outside—84; inside to inside—45½
Ground clearance:..... (in.) 17½
Towing vehicles to be used:..... Tractors
Shipping dimensions, assembled vehicle: 16' 2" x 10' 1" x 10' 10"
(cu ft) 1,757; (sq ft) 163
Pintle height (in.):..... Rear—21

SCRAPER, ROAD, MOTORIZED, CABLE OPERATED, 12 CU YD



RA PD 347241

Technical Bulletin: 5-1202-1

Manufacturer: R. G. Le Tourneau, Inc.
Classification: Standard.

Purpose: Used by Corps of Engineers for excavating and general earth hauling.

GENERAL DATA

Crew:	1
Weight (lb):	Payload—12 cu yd Gross—31,750
Axle load (lb): Empty	Front—19,250; rear—12,500
Tires: Scraper-operating 2	
	20 ply; Size—18.00 x 24; Pressure (lb)—Front—40; rear—40
	Tournapull Tires: Operating—2; 20 ply; 21.00 x 24.
	40 lb inflation pressure.
Tread front:	
Center to center	(in.) 74
Outside to outside	(in.) 95
Inside to inside	(in.) 53
Shipping dimensions:	
Uncrated	(cu ft) 3,898; (sq ft) 263 4
Vehicle Dimensions:	
Ground clearance	(in.) 17
Pintle height (empty)	(in.) 27
Electrical system:	(volts) 24
Capacities:	
Fuel (40 cetane Diesel fuel oil)	(gal) 70
Cooling system	(qt) 20
Crankcase (refill)	(qt) 20
Transmission (main)	(qt) 11
Brakes: Manufacturer—Wagner Electric (17 x 4)	Type—hydraulic
Dimensions	(in.) 4
Transmission: Speeds	4
	(Gear ratio: High—14.3; 3rd—8.1; 2nd—4.4; Low—1.6)

PERFORMANCE

Turning radius (ft):	Right—40; left—40
Fuel consumption: with maximum allowable load—	
15 cu yd (per 100 hour operation)	(mpg) 500
Allowable speed:	(mph) 15

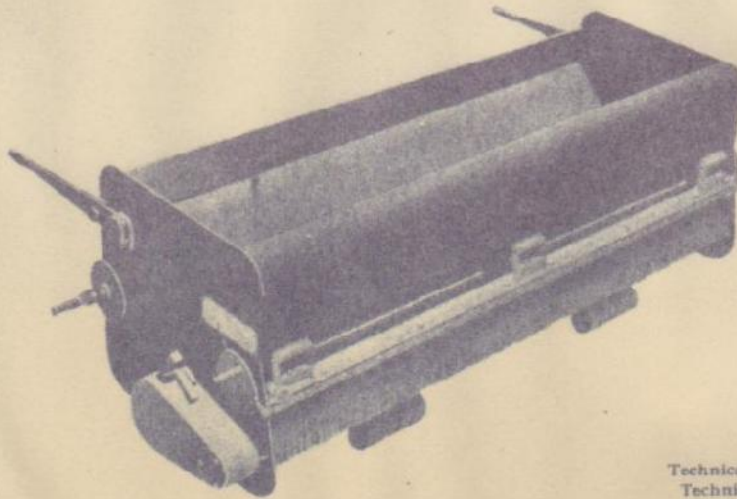
ENGINE

Manufacturer: Cummins	Model HB15 600
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 672
Bore:	(in.) 4 7/8
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 1,800
Brake horsepower:	150 at (rpm) 1,800

ADDITIONAL DATA

40 lb inflation pressure.

SPREADER, AGGREGATE, TOWED TYPE, TRACTION POWERED, 8 FT WIDTH



Technical Bulletin: 5-9730-4
Technical Manual: 5-1009

Manufacturer: Good Roads Machinery Co.
Make of vehicle illustrated: Good Roads Machinery Co., Model 8.

Classification: Standard.

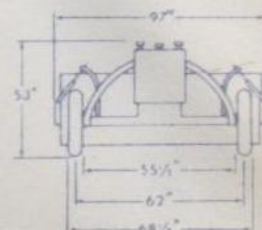
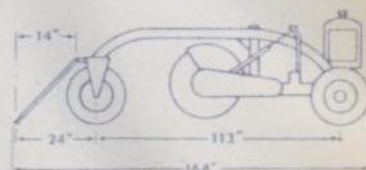
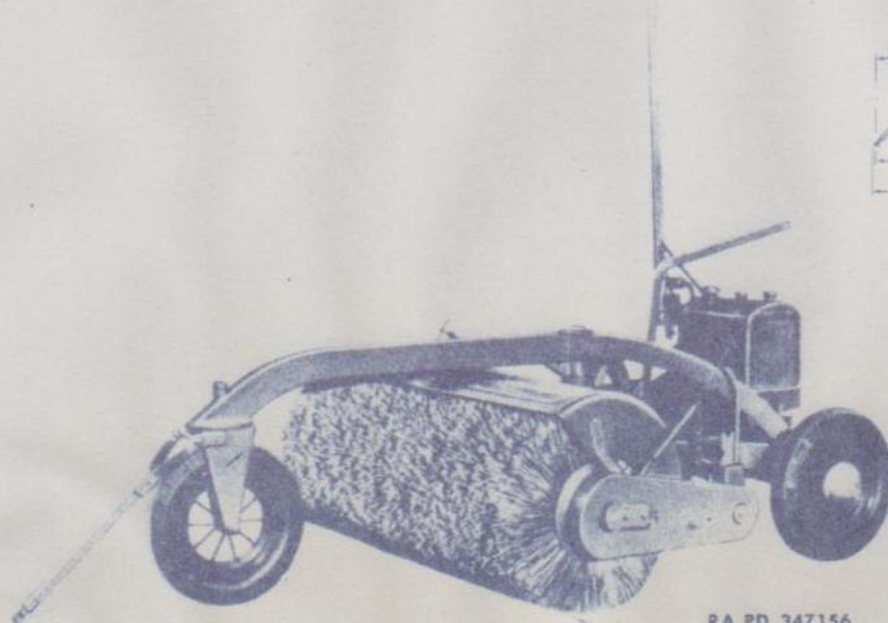
Purpose: Used by Corps of Engineers for spreading aggregates on military roads and runways.

GENERAL DATA

Body type	Special purpose
Weight:	
Empty	(lb) 1,655
Loaded	(lb) 3,360
Weight distribution:	
2 axle shafts, 2 wheels each	(lb) 1,680
Each tire	(lb) 840
Tires: (4) Ply-6	Size-6.00 x 9
Transport calisson: Ply-8	Size-7.50 x 20
Maximum cool pressure	(lb) 65
Vehicle dimensions:	
Ground clearance	(in.) 11
Towing vehicle to be used:	
Working—Any standard dump truck w/special attachment furnished w/spreader.	
Transport—Any standard truck.	
Coupling: 7 in. vertical coupler for attachment to truck; drawbar attachment for transport.	
Shipping dimensions, assembled vehicle:	
	(cu ft) 148; (sq ft) 38
Shipping weight for export	(lb) 2,140
Capacity:	
Transmission gear box	(qt) 3

ADDITIONAL DATA

SWEEPER, ROTARY BROOM, 3W, TRAILER MOUNTED, GASOLINE ENGINE DRIVEN, 2-WAY SWEEPING, 30" x 8' BRUSH



•
 Technical Manual 5-9078
 Technical Bulletin: 5-9078-1

RA PD 347156

Manufacturer: W. E. Grace Mfg. Co., Model MB-100.
 Classification: Limited standard.

Purpose: Used by Corps of Engineers to sweep dirt, dust, light snow, etc., from roads and runways.

GENERAL DATA .

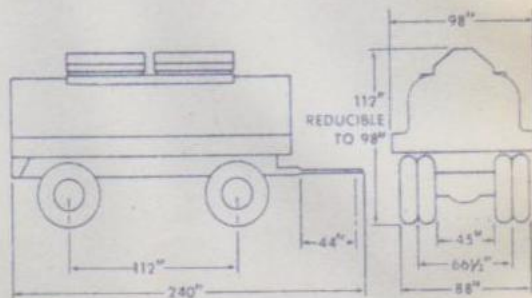
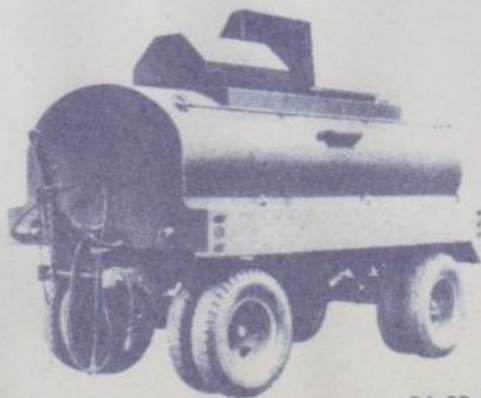
Weight (lb):	Gross—2,300
Weight distribution (lb):	
Empty	Front wheel—785; axle—1,515
Tires: Ply—4	Size—6.00 x 16 Operating—3
Maximum cool pressure (lb)	Front—25; rear—25
Ground clearance:	(in.) 4
Shipping dimensions, assembled vehicle: (cu ft) 380; (sq ft) 72	

ENGINE

Manufacturer:	Le Roi
Model:	XP7
Displacement:	(cu in.) 90.8
No. of cylinders:	4
Bore:	(in.) 2 5/8
Stroke:	(in.) 3 1/2
Governed speed:	(rpm) 1,000
Brake horsepower:	12 at (rpm) 1,000
Capacity:	
Fuel	(gal) 5
Cooling	(qt) 11
Crankcase	(pt) 7

ADDITIONAL DATA

TANK, ASPHALT, STEEL, TRAILER MOUNTED, W/STEAM COILS, 1,500 GAL



Technical Manual: 5-1146
Parts List: ENG 7-T12 and
ENG 8-T12

RA PD 347161

Manufacturer: Littleford Brothers.

Classification: Standard.

Make of vehicle illustrated: Littleford Brothers, Model 102-S.

Purpose: Used by Corps of Engineers for storing, heating, and transporting bituminous material.

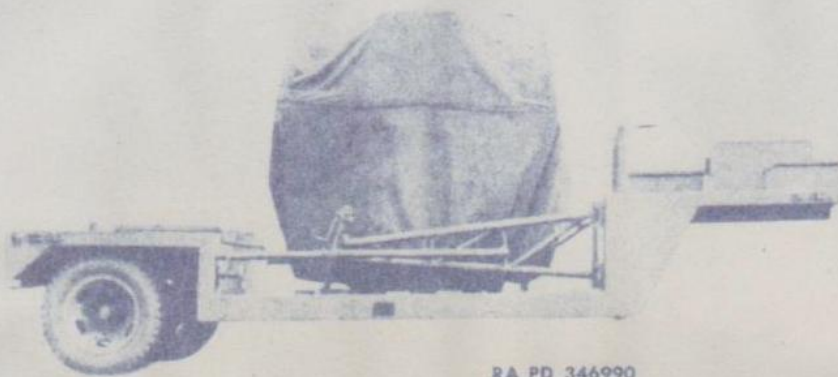
Weight (lb): Net—9,750 Payload—16,200 Gross—25,950

Weight distribution (lb):

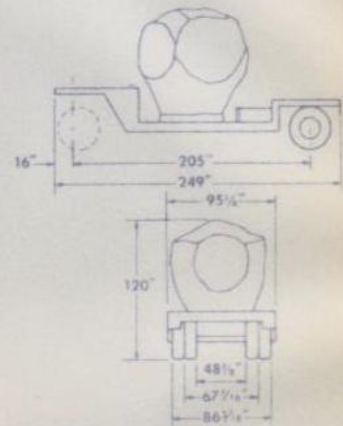
Empty	Front axle—4,850; rear axle—4,900
Loaded	Front axle—12,950; rear axle—13,000
Loading height:	(in.) 100
Tires: Ply—10	Size—9.00 x 20 Operating—8
Maximum cool pressure (lb)	Front—80; rear—80
Ground clearance:	(in.) 17
Brakes: Service—air	Parking—hand mechanical
Towing vehicles to be used:	Truck, 4-ton, 6 x 6
Shipping dimensions, assembled vehicle: (cu ft)	1,084; (sq ft) 134
Pintle heights:	(in.) 36

Section XV. Semitrailers

SEMITRAILER, 6-TON GROSS, 2W, ANTENNA MOUNT, K-67



RA PD 346990

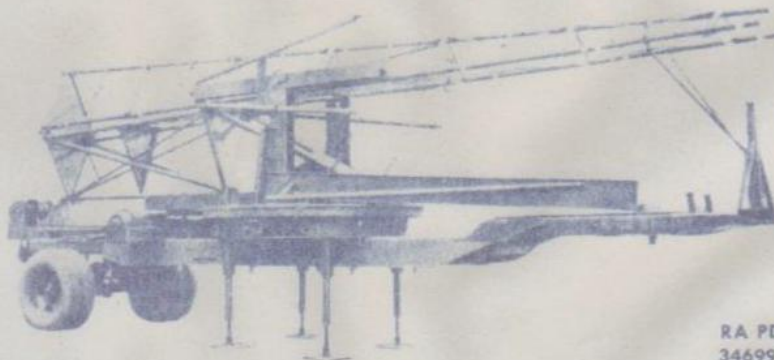


Parts List: SNL G-701

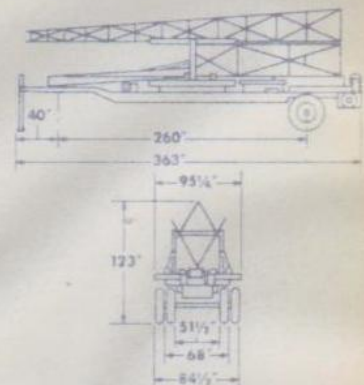
Manufacturer: Fruehauf Trailer Co.
 Classification: Standard
 Purpose: Used by Signal Corps to transport radio equipment.
 Weight (lb): Gross—12,815
 Weight distribution (lb):
 Loaded—5th wheel, 6,315 Axle—6,500

Tires: Ply—8 Size—7.50 x 20 Operating—4
 Maximum cool pressure (lb): 55
 Ground clearance: (in.) 12
 Brakes: Service—Electric Parking—Hand, mechanical
 Towing vehicles to be used: Truck-tractor, 1 1/2-ton, 4 x 4 capacity or greater.
 Shipping dimensions assembled vehicle: (cu ft) 1,545; (sq ft) 165

SEMITRAILER, 8-TON GROSS, 2W, ANTENNA MOUNT, K-22 AND K-64



RA PD 346995

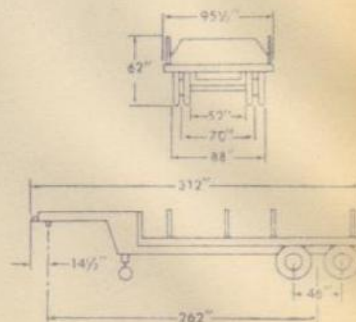
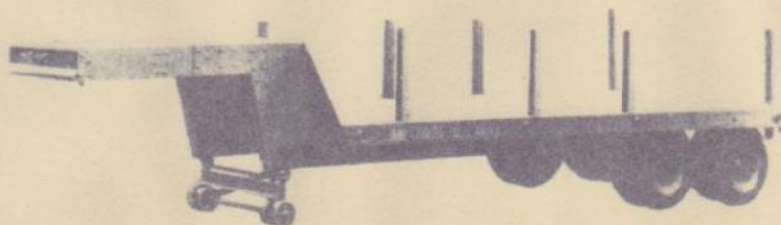


Parts List: SNL G-703

Manufacturer: Couse Laboratories (chassis by Kingham Trailer).
 Classification: Standard when part of radio set SCR-270.
 Purpose: Used by Army Air Forces as a mobile antenna mount for radio set SCR-270.
 Weight (lb): Gross—15,700

Loading height: (in.) 56
 Tires: Ply—8 Size—7.00 x 20 Operating—4
 Maximum cool pressure (lb): 55
 Ground clearance: (in.) 13
 Brakes: Service Air
 Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4, K-32
 Shipping dimensions, assembled vehicle: (cu ft) 2,460; (sq ft) 240

SEMITRAILER, 15-TON, 4W, CARRYALL



RA PD 347051

Technical Order: 19-25-45

Manufacturer: Trailer Company of America.

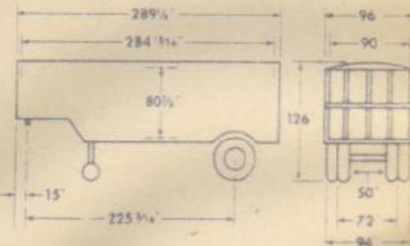
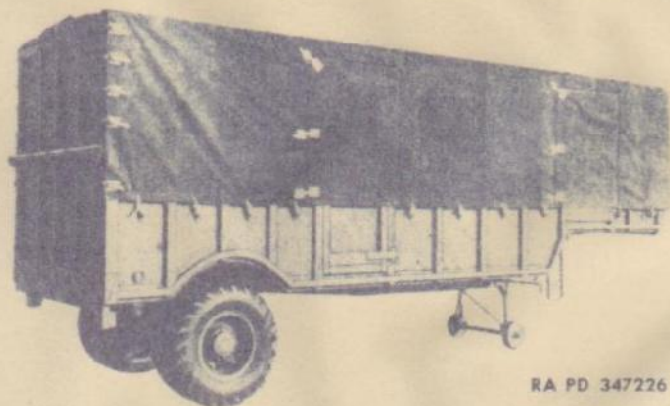
Classification: Standard.

Purpose: Used by Army Air Forces for transporting heavy maintenance vehicles such as mowers, graders, trenchers, and rollers, and for transportation of supplies and equipment.

Body type:	Platform
Weight (lb): Net—8,500 Payload—30,000 Gross—38,500	
Weight distribution (lb):	
Empty—5th wheel, 2,500 Axle—5,000	
Loaded—5th wheel, 12,100 Axle—25,400	

Loading height:	(in.) 34 1/2
Tires: Ply—10 Size—7.50 x 15 Operating—8	
Maximum cool pressure:	(lb) 80
Ground clearance:	(in.) 13 1/2
Brakes:	Service—air
Towing vehicles to be used:	Truck tractor, 4-5 ton, 4 x 4
Shipping dimensions, assembled vehicle: (cu ft) 1,075 (sq ft) 208	
Center of kingpin to center of rear axle or bogie:	(in.) 262
Center of kingpin to front of vehicle:	(in.) 71 1/2

SEMITRAILER, 6-TON PAYLOAD, 10-TON GROSS, 2W, COMB. ANIMAL AND CARGO



Technical Manuals: 10-1110, 10-1372

Parts List: SNL G-586

RA PD 347226

Manufacturers: Trailer Co. of America; Gramm Truck and Trailer Co.; Highway Trailer Co.; and Watson Co.

Classification: Standard.

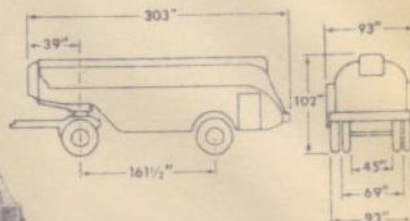
Make of vehicle illustrated: Highway Trailer Co.

Purpose: To transport 8 men and 8 horses and equipment for both, including rifle and saddle racks.

Body type: Open top van

Weight (lb): Net—8,820 Payload—12,000 Gross—20,820	
Loading height:	(in.) 38
Tires: Ply—10 Size—9.00 x 20; Spare—1; Operating—4	
Maximum cool pressure:	(lb) 65
Ground clearance:	(in.) 14
Brakes: Service	Air
Towing vehicles to be used: Truck tractor, 4-5 ton, 4 x 4 or greater capacity.	
Shipping dimensions, assembled vehicle: (cu ft) 2,024.7; (sq ft) 192.8	

SEMITRAILER, 2W, FUEL SERVICING, 2,000 GAL, TYPE F-2



RA PD 347225

Technical Order No.: 19-25-15

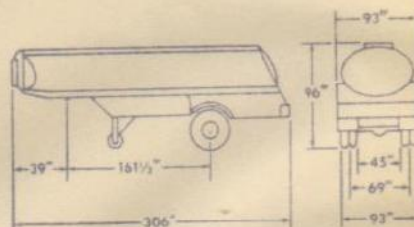
Manufacturer: The Heil Company.
 Classification: Limited standard.
 Purpose: Used by AAF to transport aircraft engine fuel from distributing points to flying fields and to service aircraft.

Body type: Tank, aluminum (2,000 U. S. gallons)
 Weight (lb): Net—8,400 Payload—12,400 Gross—20,800
 Weight distribution (lb):
 Empty—5th wheel—2,400 Axle—6,000
 Loaded—5th wheel—9,800 Axle—11,000

Tires: 4: Ply—10 Size—9.00 x 20 Operating—4
 Maximum cool pressure (lb) 65
 Ground clearance: (in.) 14
 Brakes: Service—Bendix-Westinghouse, air Parking—hand
 Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4
 Shipping dimensions, assembled vehicle: (cu ft) 1,660; (sq ft) 198
 Pintle height (in.): (rear)—33
 Fifth wheel: Size—30 in. Type—Austin 1300A30

Equipped with two gasoline engine driven pumps having a rated capacity total of 160 gallons per minute.

SEMITRAILER, 2W, FUEL SERVICING, 2,000 GAL, TYPE F-2A



RA PD 347230

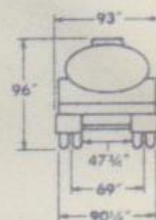
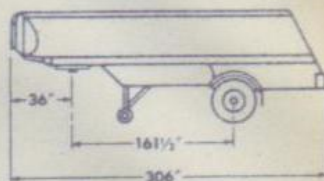
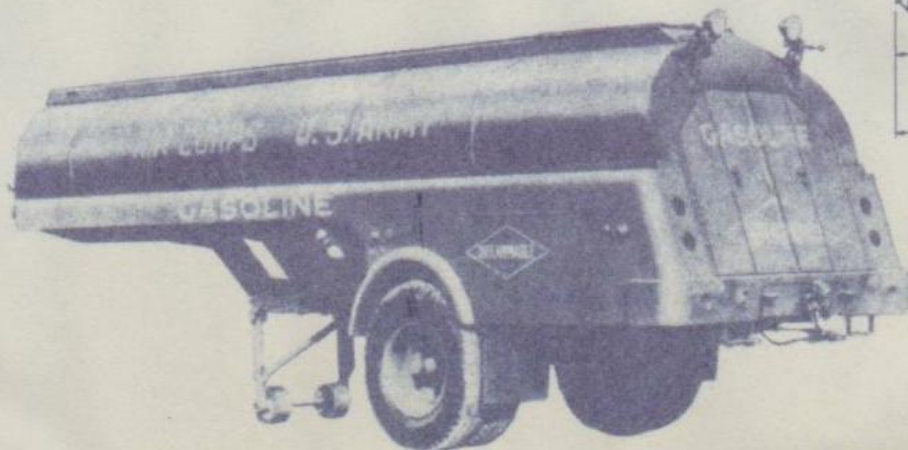
Technical Order: 19-25-31

Manufacturer: The Heil Company.
 Classification: Limited standard.
 Purpose: Used by AAF to transport aircraft engine fuel from distributing points to flying fields, and to service aircraft.

Body type: Tank, steel (2,000 U. S. gallons)
 Tires: Ply—10 Size—9.00 x 20 Operating—4
 Maximum cool pressure (lb) Rear—65

Weight (lb): Net—8,400 Payload—12,400 Gross—20,800
 Weight distribution (lb):
 Empty 5th wheel—2,400; axle—6,000
 Loaded 5th wheel—9,800; axle—11,000
 Ground clearance: (in.) 14
 Brakes: Service—Bendix-Westinghouse—air Parking—hand
 Towing vehicles to be used: Truck-tractor, 4-5-ton, 4 x 4,
 Shipping dimensions, assembled vehicle: (cu ft) 1,580; (sq ft) 199
 Pintle heights: (in.) 33
 Fifth wheel: Size—30 in.; Type—Austin 1300A30

SEMITRAILER, 2W, FUEL SERVICING, 2,000 GAL, TYPE F-2B



Technical Manuals: 9-891, 9-1827A
Parts List: SNL G-678

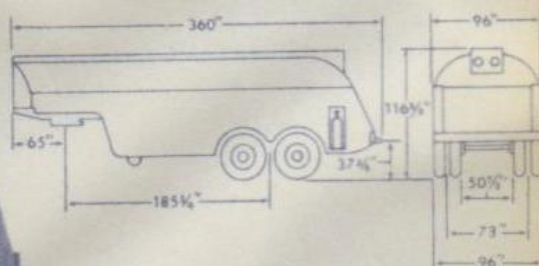
RA PD 347302

Manufacturer: The Heil Co.
Classification: Standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel and to service aircraft.

Body type:			Tank
Weight (lb):	Net—8,000	Payload—12,000	Gross—20,000

Weight distribution (lb):		
Empty	5th wheel—2,400; axle—	5,600
Loaded	5th wheel—9,500; axle—	10,500
Tires: Ply—10	Size—9.00 x 20	Operating—4
Maximum cool pressure		(lb) 65
Brakes: Service—air		Parking—hand mechanical
Towing vehicles to be used:		Truck-tractor, 4-5-ton, 4 x 4
Shipping dimensions, assembled vehicle:	(cu ft) 1,580;	(sq ft) 200

SEMITRAILER, 4W, FUEL SERVICING, 4,000 GAL, TYPE F-1



RA PD 347049

Technical Orders: 19-25-11,
19-25-12, 19-25-13

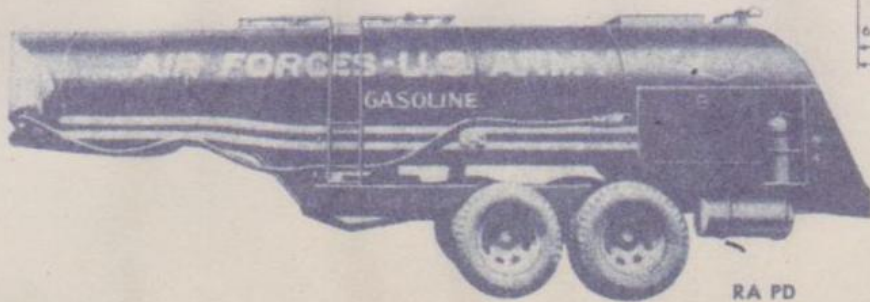
Manufacturer: Standard Steel Works.
Classification: Standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel from distributing points to flying fields, and to service aircraft.

GENERAL DATA

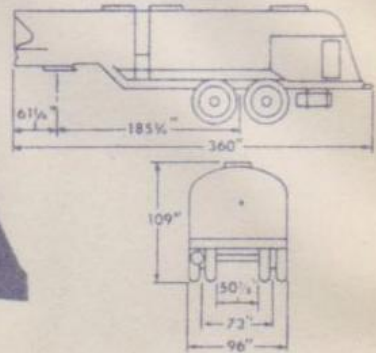
Body Type:			Tank
Weight (lb):	Net—16,440	Payload—24,000	Gross—40,440
Weight distribution (lb):			
Empty—5th wheel,	3,058		Axle—13,382
Loaded—5th wheel,	14,640		Axle—25,800

Tires: Ply—12	Size—10.00 x 22	Operating—8
Maximum cool pressure		(lb) 70
Ground clearance:		(in.) 18 1/2
Brakes: Service—Air		Parking—hand-mechanical
Towing vehicles to be used:	Truck-tractor, fuel servicing,	
type F-1, 7 1/2-ton, 6 x 6		
Shipping dimensions,		(sq ft) 240
assembled vehicle: (cu ft) 2,340		(in.) 33
Fifth wheel: Size		
Equipped with two gasoline engine-driven pumps having a rated capacity (total) of 320 gallons per minute.		

SEMITRAILER, 4W, FUEL SERVICING, 4,000 GAL, TYPE F-1A



RA PD
347050



Technical Order: 19-25-36

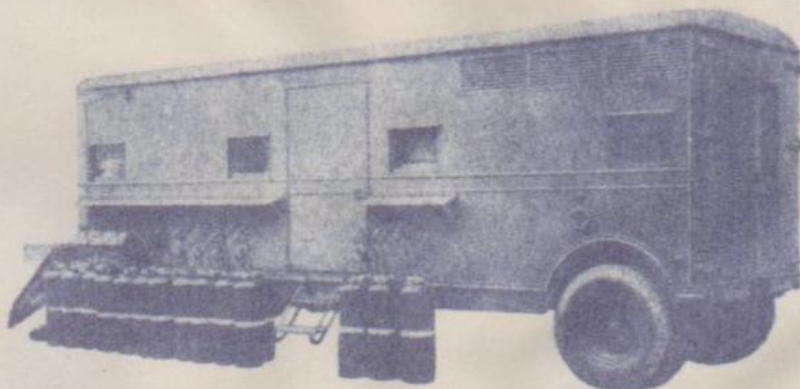
Manufacturer: Standard Steel Works.
Classification: Standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel from distributing points to flying fields, and to service aircraft.

Weight (lb): Net—19,676	Payload—24,000	Gross—43,676
Weight distribution (lb):		
Empty—5th wheel, 4,019		Axle—15,657
Loaded—5th wheel, 15,611		Axle—28,065
Pintle height: (in.)		37 3/4

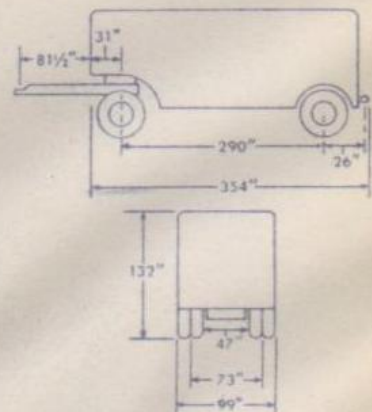
Tires: Ply—12	Size—10.00 x 22	Operating—8
Maximum cool pressure (lb)		70
Ground clearance:		(in.) 18 1/2
Brakes: Service—Air	Parking—hand-mechanical	
Towing vehicles to be used: Truck-tractor, fuel servicing, type F-1, 7 1/2-ton, 6 x 6.		
Shipping dimensions, assembled vehicle: (cu ft) 2,180 (sq ft) 240		
Fifth wheel: Size—33 in.	Type—Oscillating upper 5th wheel	

Equipped with two gasoline engine-driven pumps having a rated capacity (total) of 320 gallons per minute.

GENERATOR AND CHARGING PLANT, ACETYLENE GAS, SEMI- TRAILER MOUNTED, VAN TYPE W/ DOLLY, 750 CU FT PER HOUR



RA PD 347189



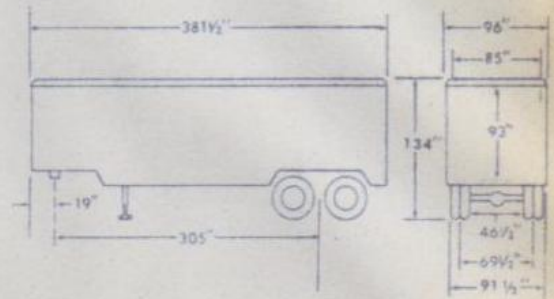
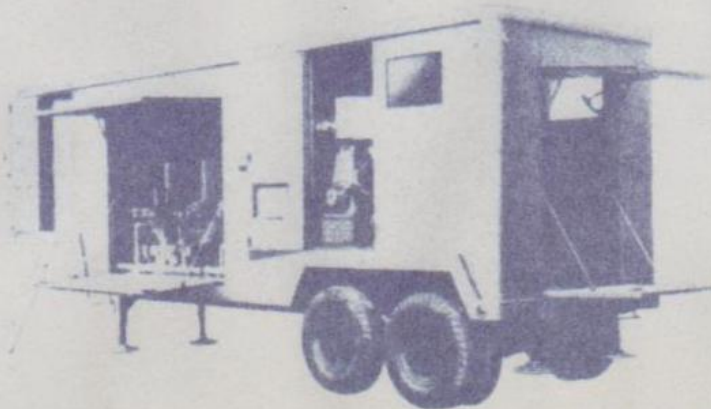
Technical Manuals: 5-5070, 5-5071,
5-5080, 5-9056

Manufacturers: Trailer—Fruehauf Trailer Co.; Equipment—Lindair Products Co.
Classification: Standard.
Purpose: Used by Corps of Engineers to provide mobile gas generating and bottle charging facilities.

Body type:	Van—special purpose
Weight (lb):	Gross—32,030
Weight distribution (loaded) (lb): 5th wheel—14,950; axle—17,080	

Tires: Ply—14	Size—12.00 x 20	Operating—4
Maximum cool pressure (rear)		(lb) 60
Ground clearance:		(in.) 20
Brakes: Service—Air operated	Parking—hand	
Towing vehicles to be used: (with dolly, truck, 6-ton, 6 x 6) without dolly, 5-6 ton truck-tractor.		
Shipping dimensions, assembled vehicle:		
		(cu ft) 2,677.1; (sq ft) 243.3
Center of rear axle to rear lip of pintle:		(in.) 26
Weight of dolly:		(lb) 3,680
Pintle height (in.):		Rear—26

GENERATOR AND CHARGING PLANT, OXYGEN-NITROGEN GAS, SEMITRAILER MOUNTED, VAN TYPE, 500 CU FT PER HOUR



Technical Manuals: 5-9110, 5-9110A

RA PD 347182

Manufacturer: Independent Engineering Co. (Heil Trailer).

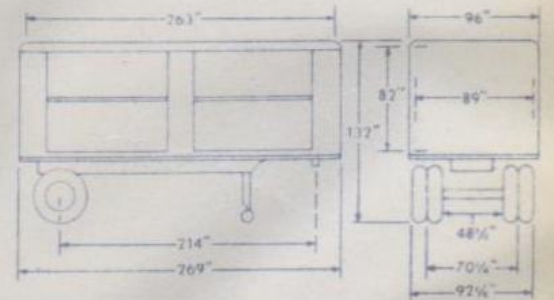
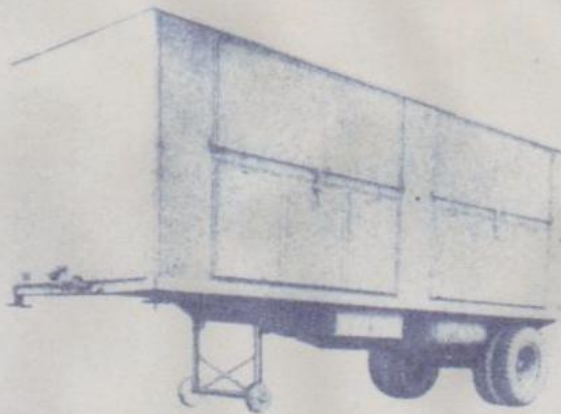
Classification: Standard.

Purpose: Used by Corps of Engineers to provide mobile gas generating and bottle charging facilities.

Body type: Van—special purpose
 Weight (lb): Gross—35,800
 Weight distribution (lb):
 Loaded 5th wheel—10,800; axle—25,000

Loading height: (in.) 36 1/2
 Tires: Front—Ply—16 Size—12.00 x 20 Operating—4
 Rear—Ply—10 Size—9.00 x 20 Operating—8
 Maximum cool pressure (lb) Front—80; rear—55
 Ground clearance: (in.) 10
 Brakes: Service—air Parking—hand
 Towing vehicles to be used: Truck-tractor 5-6-ton, 4 x 4; with dolly truck, 5-6 ton, 4 x 4.
 Shipping dimensions, assembled vehicle: (cu ft) 2,776.4; (sq ft) 254.3
 Center of rear axle to rear lip of pintle: (in.) 44 1/2
 Pintle height (in.): Rear—31

SEMITRAILER, 6-TON 2W, LAUNDRY



Parts List: SNL G-584

RA PD 347191

Manufacturer: Gramm Motor and Trailer Corp.

Classification: Limited standard.

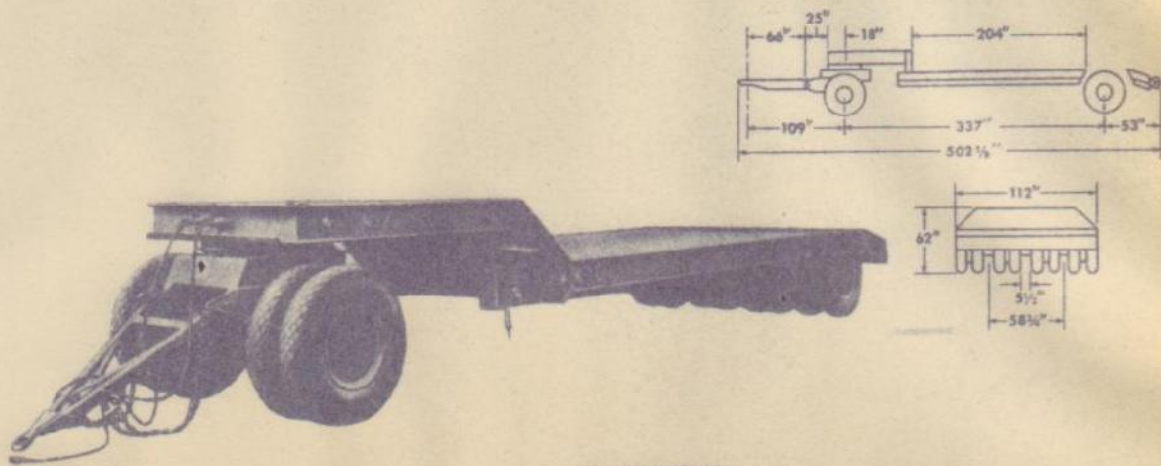
Make of vehicle illustrated: Gramm Motor Truck.

Purpose: Used by Quartermaster Corps to provide field mobile laundry facilities.

Body type: Van
 Weight (lb): Net—8,000 Payload—12,000 Gross—20,000

Weight distribution (lb):
 Loaded 5th wheel—7,000; axle—13,000
 Loading height: (in.) 49
 Tires: Ply—10 Size—9.00 x 20 Operating—4
 Maximum cool pressure (lb) 65
 Brakes: Service—air
 Towing vehicles to be used: Truck-tractor 4-5 ton, 4 x 4 capacity or greater
 Shipping dimensions, assembled vehicle: (cu ft) 1,972.3; (sq ft) 179.3

SEMITRAILER, W/DOLLY, 20-TON, LOW BED



RA PD 347320

Manufacturers: Roger Bros. Corp.; La Crosse Trailer Co.;
Fruehauf Trailer Co.; Steel Products Co.; C. R. John Co.
Classification: Limited standard.

Make of vehicle illustrated: Fruehauf.

Purpose: Used by Corps of Engineers to transport crawler
mounted tractors, shovels and cranes, general cargo or
construction machinery.

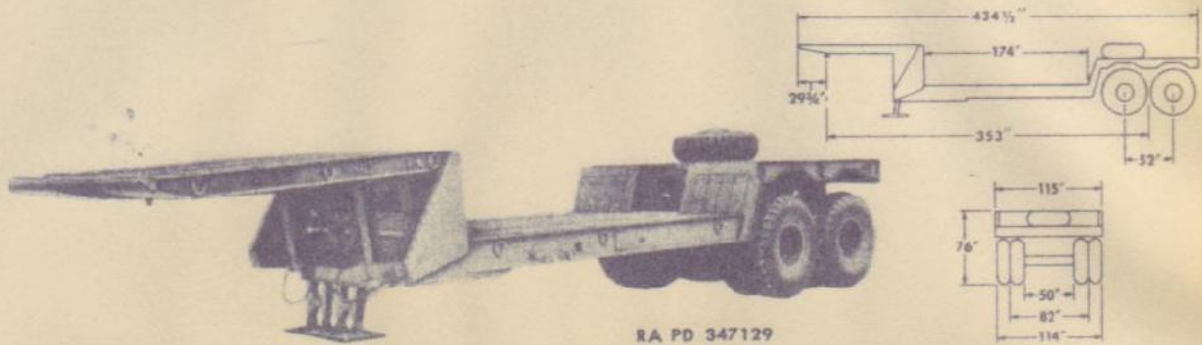
GENERAL DATA

Body type: Flat bed
Weight (lb):
Uncrated—Net—16,800 Payload—40,000 Gross—56,800
Weight distribution (lb):
Empty Dolly axle— 7,950; rear axle— 8,850
Loaded Dolly axle—19,300; rear axle—37,500
Loading height: (in.) 40
Tires:
Operating Front—4; rear—8
Ply Front—14; rear—10
Size Front 12.00 x 20; rear 9.00 x 20
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 18
Brakes: Service—Bendix Westinghouse—air—16 1/2 x 6; Parking—hand
Towing vehicles to be used: 6-ton, 6 x 6 prime mover or 5-6 ton,
4 x 4, truck tractor.
Shipping dimensions, assembled vehicle:
(cu ft) 1,916.8; (sq ft) 370.9
Pintle height: (in.) 24
Fifth wheel: Size 36 in. Type—rigid

ADDITIONAL DATA

Front tread: (in.) Center to center—64 1/4; outside to outside—90 1/2;
inside to inside—39
Gooseneck (in.) 80
Length without dolly (in.) 385
Weight of dolly (lb) 3,600
Semitrailer w/dolly, 20-ton, low bed (57-in. gooseneck):
Gross weight (lb) 56,200
Wheelbase (in.) 314
Over-all length (in.) 479 1/4

SEMITRAILER, LOW BED, FRONT LOADING 20-TON (LONG GOOSENECK)



Manufacturers: La Crosse Trailer Co.; Steel Products Co.; Winter-Weiss Co.; Gunderson Engineering Co.

Classification: Corps of Engineers standard.

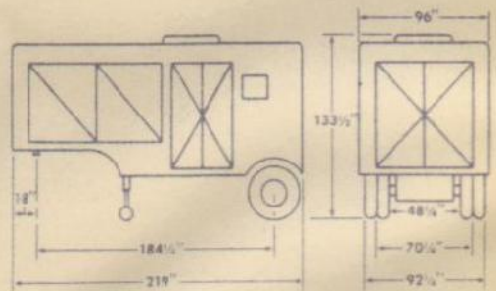
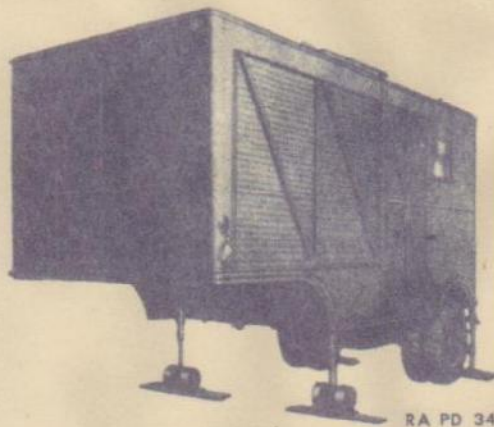
Make of vehicle illustrated: La Crosse.

Purpose: Used by Corps of Engineers to transport construction machinery or general cargo.

Body type: Flat bed
 Weight: (lb) Net—23,900 Payload—40,000 Gross—63,900
 Weight distribution (lb):
 Empty 5th wheel—8,000; rear axle—each 7,950
 Loaded 5th wheel—23,900; rear axle—each 18,050

Tires: Ply—12 Size—14.00 x 20; spare—1 Operating—8
 Maximum cool pressure (lb) 90
 Ground clearance: (in.) 18½ Loading height: (in.) 38
 Brakes: Service—Bendix-Westinghouse—air; Parking—hand-mechanical
 Towing vehicles to be used: Truck-tractor, 6-ton, 6 x 6
 Shipping dimensions, assembled vehicle: (cu ft) 2,144.5; (sq ft) 338.6
 Bogie wheelbase: (in.) 52
 Pintle heights (in.): Rear—34
 Semitrailer, low bed, front loading, 20-ton (short gooseneck):
 Wheelbase (in.) 342
 Over-all length (in.) 424

SEMITRAILER, 10-TON GROSS, 2W, OXYGEN GENERATOR, TYPE A1



Technical Orders: 19-5-11

Manufacturers: Trailer: Fruehauf Trailer Company;
 Equipment: Air Products Inc.

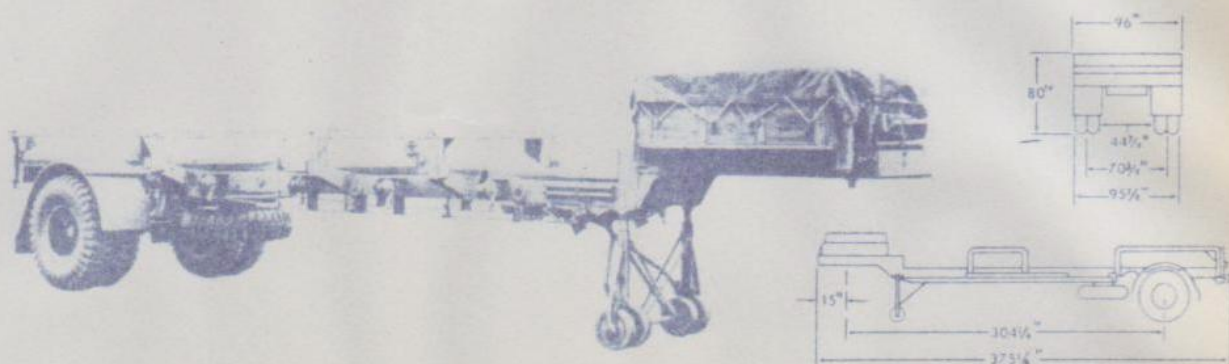
Classification: Standard.

Purpose: Used by Army Air Forces for manufacture of aviators' breathing oxygen.

Body type: Van

Weight (lb): Gross—22,000
 Weight distribution (lb):
 Loaded 5th wheel—9,000; axle—13,000
 Tires: Ply—10 Size—9.00 x 20 Operating—4
 Maximum cool pressure (lb) 65
 Towing vehicles to be used: Truck Tractor, 4-5-ton, 4 x 4
 Shipping dimensions, assembled vehicle: (cu ft) 1,624.2; (sq ft) 146

SEMITRAILER, SPECIAL, DROP FRAME, 10-TON PONTON



RA PD 347194

Technical Manual: 5-9006

Manufacturers: Fruehauf Trailer Co.; Trailer Company of America.

Classification: Standard.

Make of vehicle illustrated: Fruehauf Trailer Co.

Purpose: Used by Corps of Engineers to transport bridge loads and 10-ton pontoons.

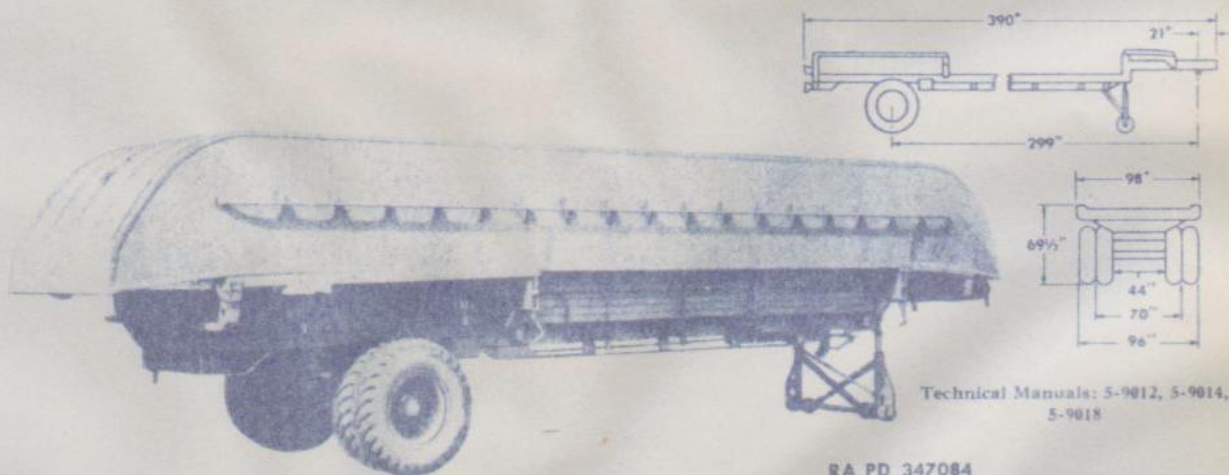
Weight (lb): Net—7,200 Payload—18,000 (varies) Gross—25,200

Weight distribution (lb):

Empty 5th wheel—1,900; axle—5,300
 Loaded 5th wheel—10,900; axle—14,300
 Loading height: (in.) 43 1/2
 Tires: Ply—14 Size—12.00 x 20; Spare—1 Operating—4
 Maximum cool pressure (lb) 50
 Ground clearance: (in.) 16
 Brakes: Service—Bendix-Westinghouse air 6"; Parking—hand mechanical
 Towing vehicles to be used: Truck-tractor, 5-6 ton, 4 x 4
 Shipping dimensions, assembled vehicle

(cu ft) 1,666.6 (sq ft) 250

SEMITRAILER, 25-TON, 2W, PONTON



Technical Manuals: 5-9012, 5-9014, 5-9018

RA PD 347084

Manufacturers: Trailer Co. of America; Dart Truck Co.; Fruehauf Trailer Co.; Electric Wheel Co.

Classification: Standard.

Make of vehicle illustrated: Fruehauf.

Purpose: Used by Corps of Engineers to transport pontoons and pontoon bridge loads.

Body type: Special purpose—drop frame

Weight (lb): Net (lb) 7,650

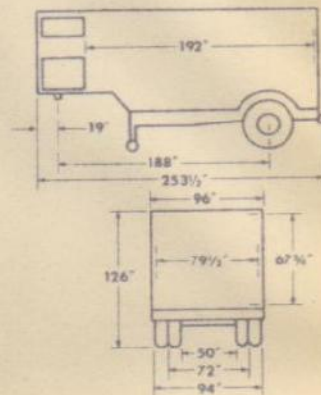
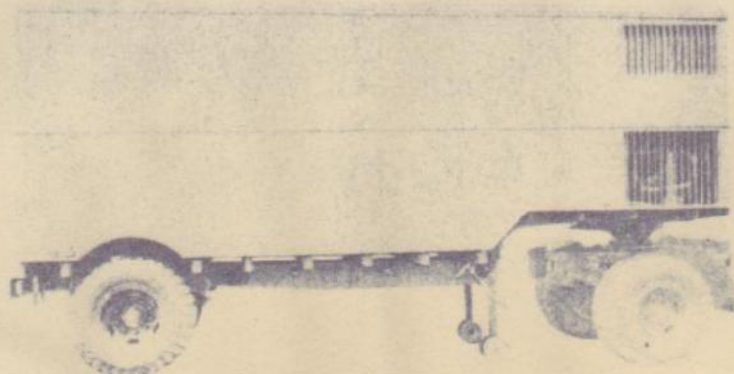
Payload Min. 5,000; Max. 18,000

Gross Min. 12,650; Max. 25,650

Weight distribution (lb):

Empty 5th wheel (min) 2,400; Axle (min) 5,250
 Loaded 5th wheel (min) 4,530; Axle (min) 8,120
 Tires: Ply—14 (or 16) Size—12.00 x 20; Spare—1; Operating—4
 Maximum cool pressure (lb): Front—80; rear—80
 Ground clearance: (in.) 18
 Vehicle dimensions: Height over-all (in.) 69 1/2
 Brakes: Service—air Parking—hand, mechanical
 Towing vehicles to be used: Truck-tractor, 5-6 ton, 4 x 4 capacity or greater.
 Shipping dimensions, assembled vehicle: (cu ft) 1,641; (sq ft) 285
 Pintle height (in.) 30

SEMITRAILER, 10-TON GROSS, 2W, REFRIGERATOR BODY



Technical Manuals: 10-1307,
10-1313, 10-1417, 10-1608,
10-1609, 10-1611, 10-1614

RA PD 347197

Manufacturers: (1) Prime Contractors—A. J. Miller Auto Cruiser & Trailer Co.; American Body & Trailer Company; Hyde Corporation; Robbins & Burke, Inc.; U. S. Thermo Control Company; Watson Automotive Equipment. (2) Refrigerating System powered by ATCU Waukashaw Engines or Y-69 Continental Engines.

Classification: Limited standard.

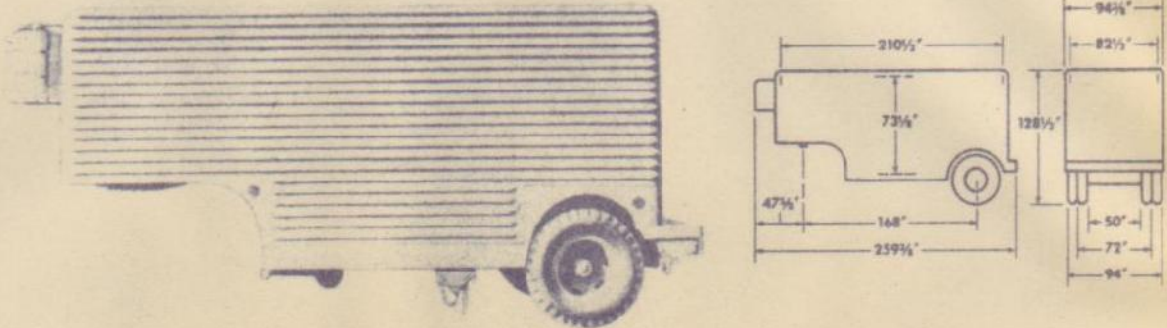
Purpose: For items needing temperature of 10° or 32°, or emergency storage.

Body type:	Van refrigerator
Weight (lb): Net—14,700	Payload—10,000 Gross—24,700
Loading height (in.): to bumper—37; to compartment floor—49	
Tires: Fly—10	Size—9.00 x 20; Operating—4
Maximum cool pressure:	(lb) 65
Ground clearance:	(in.) 14
Brakes: Service—air	Parking—air
Towing vehicles to be used:	Truck-tractor, 4-5 ton, 4 x 4
Shipping dimensions, assembled vehicle:	(cu ft) 1,770; (sq ft) 169

ADDITIONAL DATA

Center of rear wheel axle to center of dolly wheel axle	(in.) 124
Center of dolly wheel axle to front of vehicle	(in.) 83
Door opening	(in.) 38 1/2 x 61, clear

SEMITRAILER, 10-TON GROSS, 2W, REFRIGERATOR BODY (LIGHTWEIGHT)



RA PD 347231

Manufacturers: Trailer—Fruehauf Trailer Co.; Brown Industries. Equipment—U. S. Thermo Control Co.; Onan Engine.

Classification: Standard.

Purpose: Used by Quartermaster Corps for transportation of items needing temperature of 10° to 32°, or for emergency storage.

Body type: Van
Weight (lb): Net—7,300 Payload—15,000 Gross—22,300

Loading height: (in.) 49
Tires: Ply—10 Size—9.00 x 20 Operating—4; spare—1
Maximum cool pressure (lb) 65
Ground clearance: (in.) 15
Brakes: Service—air Parking—air
Towing vehicles to be used: Truck-tractor, 4-3-ton, 4 x 4
Shipping dimensions, assembled vehicle: (cu ft) 1,818; (sq ft) 170

Removable "plug-in" refrigerating system powered by Onan OTC-44 engine.

SEMITRAILER, 6-TON, 2W, CLOTHING REPAIR



RA PD 347215

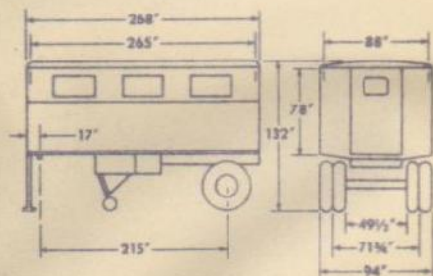
Manufacturers: Rivers Body Factory; Timpte Bros.

Classification: Limited standard.

Make of vehicle illustrated: Rivers Body Factory.

Purpose: Used by Quartermaster Corps to provide mobile clothing repair facilities.

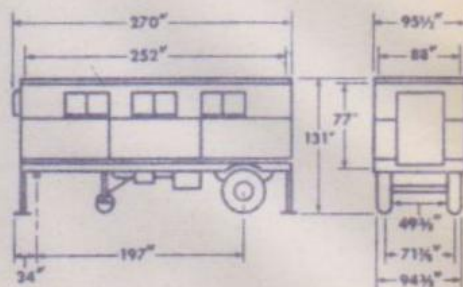
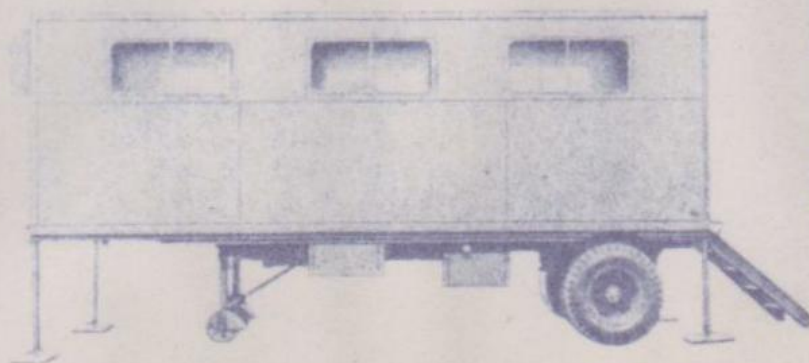
Body type: Van
Weight (lb): Net—8,000 Payload—12,000 Gross—20,000



Technical Manual: 9-888
Parts List: SNL G-445

Weight distribution (lb): Loaded—5th wheel—7,950 Axle—12,050
Loading height: (in.) 50
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) 65
Ground clearance: (in.) 14
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4 capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 1,939.3; (sq ft) 176.3

SEMITRAILER, 6-TON, 2W, SHOE REPAIR



Technical Manual: 10-1315
Parts List: SNL G-664

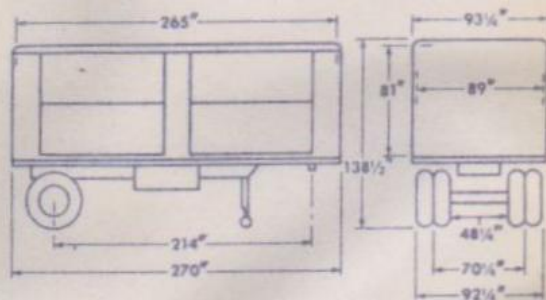
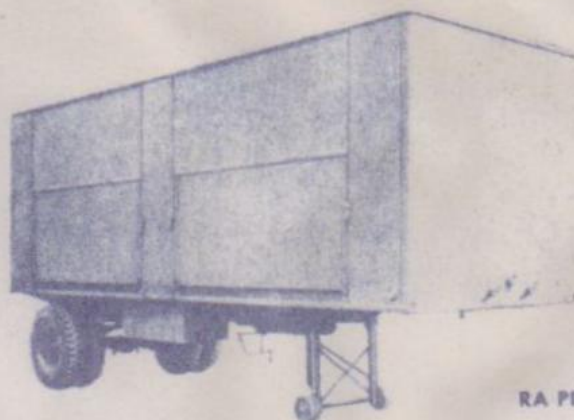
RA PD 347213

Manufacturers: The Gerstenslager Co.; Trailmobile Co.
Classification: Limited standard.
Make of vehicle illustrated: The Gerstenslager Co.
Purpose: Used by Quartermaster Corps to provide mobile shoe repair facilities.

Body type: Van
Weight (lb): Net—8,400 Payload—12,000 Gross—20,400

Weight distribution (lb):
Loaded—5th wheel—8,400 Axle—11,000
Loading height: (in.) 50
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) 65
Ground clearance: (in.) 14
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4 capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 1,969; (sq ft) 179

SEMITRAILER, 6-TON, 2W, STERILIZER AND BATH



Technical Manual: 9-888
Parts Lists: SNL G-589, G-590

RA PD 347178

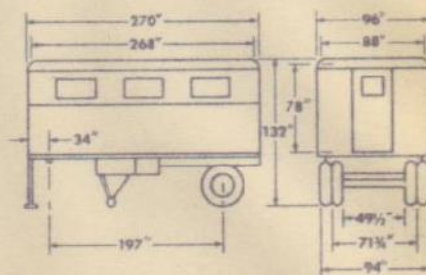
Manufacturers: Gramm Truck & Trailer Corp.; Hyde Corp.; Lufkin Foundry & Machine Co.; Strick Co.; Trailmobile.
Classification: Standard.
Make of vehicle illustrated: Strick Co.
Purpose: Used by Quartermaster Corps to provide mobile facilities for sterilization and bath.

Body type: Van

122

Weight (lb): Net—9,500 Payload—12,000 Gross—21,500
Weight distribution (lb): Loaded... 5th wheel—9,000; axle—11,500
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) 65
Ground clearance: (in.) 16 1/2
Brakes: Service—air
Towing vehicles to be used: Truck-tractor, 4-5-ton, 4 x 4 capacity or greater.
Shipping dimensions, assembled vehicle:
(cu ft) 2,012.4; (sq ft) 174.4

SEMITRAILER, 6-TON, 2W, TEXTILE REPAIRS



Technical Manual: 9-888
Parts List: SNL G-665

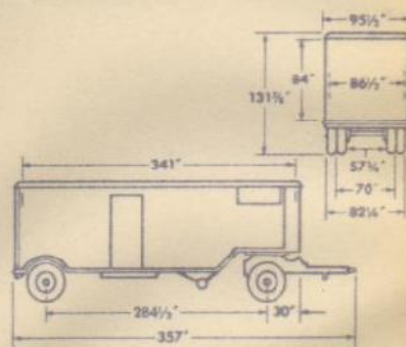
RA PD 347216

Manufacturers: Carter Mfg. Co.; Utility Trailer Mfg. Co.
Classification: Limited standard.
Make of vehicle illustrated: Carter.
Purpose: Used by Quartermaster Corps to provide mobile clothing repair facilities.

Body type: Van
Weight (lb): Net—8,500 Payload—12,000 Gross—20,500

Weight distribution (lb):
Loaded—5th wheel—8,450 Axle—12,050
Loading height: (in.) 50
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) 65
Ground clearance: (in.) 14
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, 4-5-ton, 4 x 4 capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 1,980; (sq ft) 180

SEMITRAILER, 8-TON GROSS, INSTRUMENT SHOP



RA PD 347220

Technical Orders-19-25-27

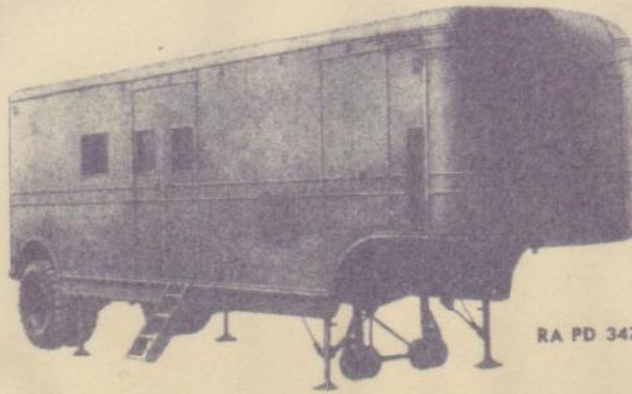
Manufacturer: Keystone.
Classification: Standard.
Purpose: Used by AAF for repair, calibration, and maintenance of aircraft instruments.

Body type: Van
Weight (lb): Gross—19,434
Weight distribution (lb):
Equipped, 5th wheel—9,717 Axle—9,717

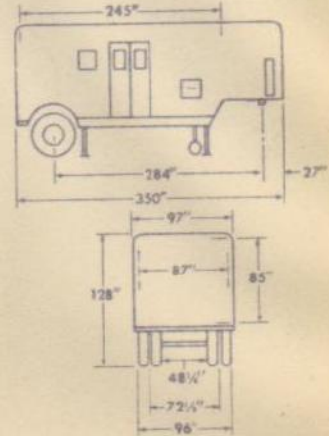
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) Rear—65
Ground clearance: (in.) 19.1
Brakes: Service—air Packing—hand-operated
Towing vehicles to be used: Truck-tractor, 4-5-ton, 4 x 4
Shipping dimensions, assembled vehicle: (cu ft) 2,618; (sq ft) 237
Fifth wheel: Size 33 in. Rear—29.5
Type—rock

This semitrailer is converted to a full trailer by means of Dolly, Trailer Converter, Type A-3.

REPRODUCTION EQUIPMENT, CAMERA SECTION, 24" x 30", SEMI-TRAILER MOUNTED (10-TON, W/VAN TYPE BODY)



RA PD 347164



Manufacturer: Fruehauf Trailer Co.
Classification: Limited standard.

Purpose: Used by Corps of Engineers to transport map reproduction equipment.

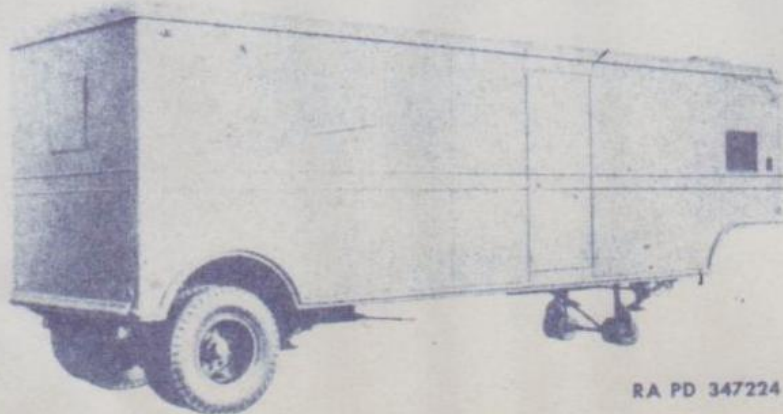
GENERAL DATA

Body type:	Van
Weight (lb):	Gross: 18,000-23,500
Weight distribution (lb):	
Empty—5th wheel—8,000	axle—15,500
Landing height:	(in.) 43
Tires: Ply—14	Size—12.00 x 20; Operating—4; Spare—1
Maximum cool pressure:	(lb) 80
Ground clearance:	(in.) 10
Brakes: Service—air	Parking—hand
Towing vehicles to be used:	4-5 ton, 4 x 4 or greater capacity
Shipping dimensions, assembled vehicle:	(cu ft) 2,592.7; (sq ft) 235.7
Pintle height (rear):	(in.) 34

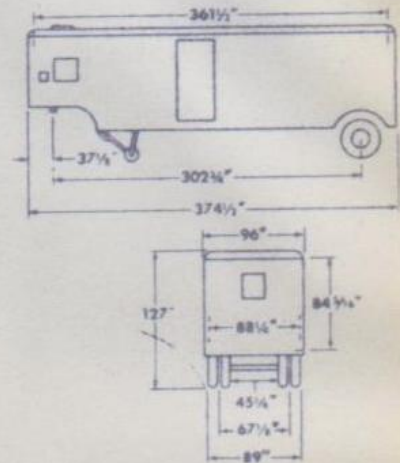
ADDITIONAL DATA

The same basic vehicle with different equipment is also used as:
Camera section, 24" x 24"; Combination section "A"; Combination Section "B"; Laboratory section; Photographic section; Plate Process section; Plate Grainer section; Press section, 20" x 22 1/2"; Press section, 22" x 29". Weight varies with equipment, within limits shown in General Data. With exception of the 24" x 30" Camera section and the Combination "A" and "B" sections, only very limited quantities (less than 10) were procured during World War II. All are now limited standard.

SEMITRAILER, 10-TON GROSS, LABORATORY, PHOTOGRAPHIC, TYPE N-2, N-3



RA PD 347224



Technical Orders: 19-25-42, 19-25-43

Manufacturer: Fruehauf Trailer Company.
Classification: Standard.

Purpose: Used by the AAF to process photographic negatives and print photographs.

GENERAL DATA

Body type:	Van
Weight (lb): Net—11,520	Payload—17,480 Gross—29,000
Weight distribution (lb):	
Empty—5th wheel—4,640	Axle—6,880
Loaded—5th wheel—13,000	Axle—16,000
Loading height:	(in.) 35
Tires: Ply—10	Size—9.00 x 20
Maximum cool pressure:	Operating—4 (lb) 65
Ground clearance:	(in.) 17 1/2
Brakes: Service—air	Parking—hand-operated
Towing vehicles to be used:	Truck-tractor, 4-5 ton, 4 x 4
Shipping dimensions, assembled vehicle: (cu ft) 2,640; (sq ft) 250	
Pintle height (in.):	Rear—23
Fifth wheel: Size—33 in.	Type—Ordnance standard

ADDITIONAL DATA

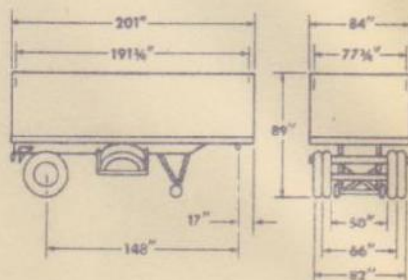
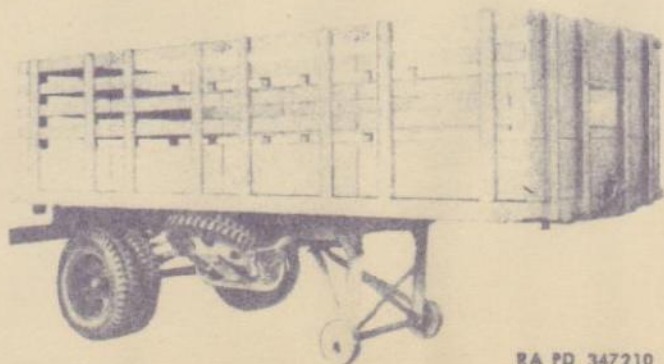
Contains complete equipment necessary to develop and print photographs: air conditioner, gasoline heater, 110-volt generator driven by a 4-cylinder, air-cooled engine.

This semitrailer can be converted to a full trailer by means of Dolly Trailer Converter, Type A-3.

Semitrailer, Type N-1, identical to Type N-2 and N-3 except as follows:

Weight (lb): Net—10,730	Payload—18,270
Weight distribution (lb) (empty): 5th wheel—4,190; Axle—6,540	

SEMITRAILER, 3 1/2-TON, 2W, COMBINATION STAKE AND PLATFORM



Technical Manual: 9-886A,
18-1675
Parts List: SNL G-530, 560,
564, 565, 582

RA PD 347210

Manufacturers: Checker Cab Mfg. Co.; Black Diamond Trailer Co.; Hobbs Mfg. Co.; Utility Trailer Co.; Dorsey Brothers; Whitehead and Kales Co.; Highway Trailer Co.; Krieger Steel Sections, Inc.; Kingham Trailer Co.; Transportation Equipment Co.; Strick Co.; Truck Engineering Corp.; The Winter-Weiss Co.

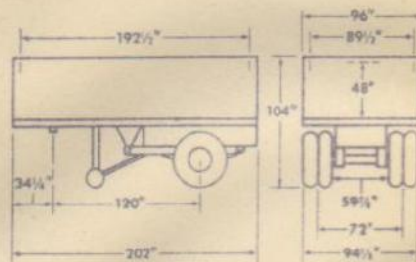
Classification: Standard.

Make of vehicle illustrated: Checker CC-4.

Purpose: To transport general cargo.

Weight (lb): Net—4,950 Payload—7,000 Gross—11,950
Weight distribution (lb): Loaded—5th wheel—4,780 Axle—7,170
Loading height: (in.) 49 1/2
Tires: Ply—8 Size—7.50 x 20; Spars—1; Operating—4
Maximum cool pressure (lb) 55
Ground clearance: (in.) 14
Brakes: Service Electric
Towing vehicles to be used: Truck-tractor, 1 1/2-ton, 4 x 2 capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 869; (sq ft) 117.2

SEMITRAILER, 5-TON, 2W, STAKE AND PLATFORM, 16 FT



Technical Manual: 9-890
Parts List: SNL G-975

RA PD 347206

Manufacturers: Olson Mfg. Co.; Truck Engineering Corp.; Trailer Co. of America.

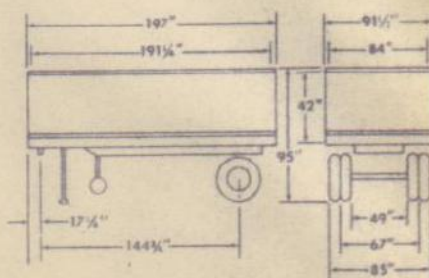
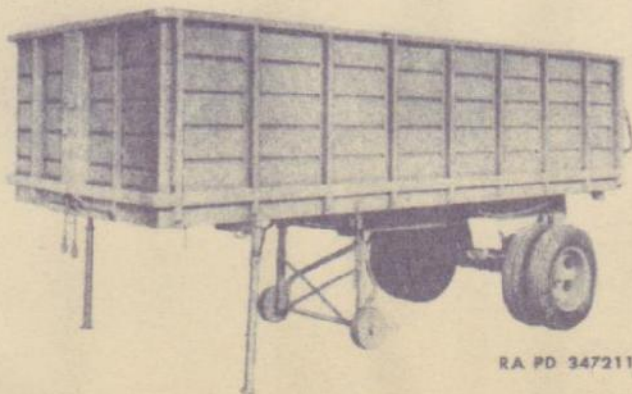
Classification: Standard.

Purpose: To transport general cargo.

Body type: Stake
Weight (lb): Crated—Net—6,640; Payload—10,000; Gross—16,640
Loading height: (in.) 52 3/4

Weight distribution (lb)
Empty 5th wheel—2,275; axle—4,365
Loaded 5th wheel—7,000; axle—9,640
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb) 65
Ground clearance: (in.) 16 3/4
Brakes: Service—Air, Westinghouse Parking—mechanical
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 2 or greater capacity.
Shipping dimensions, assembled vehicle: (cu ft) 1,167.1; (sq ft) 134.9

SEMITRAILER, 7-TON, 2W, STAKE AND PLATFORM



Technical Manual : 9-882
Parts List: SNL G-844, 846

RA PD 347211

Manufacturers: Reliance Trailer and Truck Co., Inc.;
Pointer-Williamette Co.; W. C. Nabors Co.; Hyde Corp.;
Fruehauf Trailer Co.; Gramm Truck and Trailer Corp.

Classification: Substitute standard.

Make of vehicle illustrated: Highway Trailer Co.

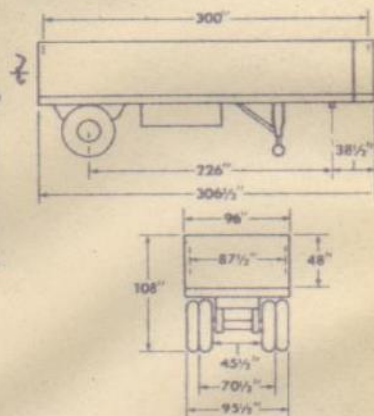
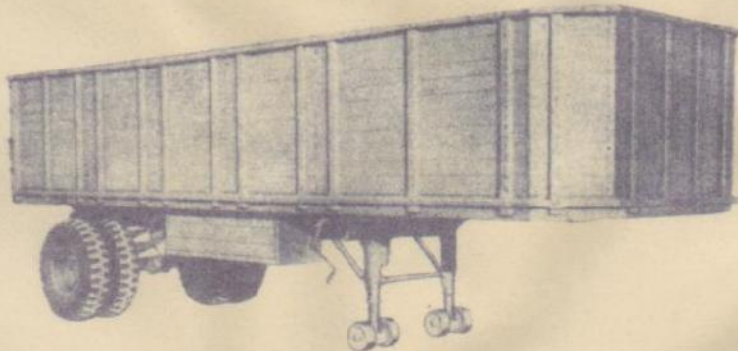
Purpose: To transport general cargo.

Body type: Cargo
Weight (lb): Net—5,600 Payload—14,000 Gross—19,600

Weight distribution (lb):

Empty—Lunette or 5th wheel—1,375	Axle—4,225
Loaded—Lunette or 5th wheel—7,800	Axle—11,800
Loading height:	(in.) 53
Tires: Ply—10	Size—7.50 x 20; Spare—1; Operating—4
Maximum cool pressure:	(lb) 75
Ground clearance:	(in.) 13 1/2
Brakes: Service	Vacuum, Bendix
Towing vehicles to be used:	Truck, 2 1/2-ton, 6 x 6
Shipping dimensions, assembled vehicle: (cu ft) 988; (sq ft) 124.9	

SEMITRAILER, 10-TON, 2-W, STAKE AND PLATFORM



Technical Manual: 9-892 Parts List: SNL G-676

Manufacturers: Highway Trailer Co.; Keystone Trailer
and Equipment Co., Inc.; Omaha Standard Body Corp.;
Oneda Limited; Pike Trailer Co.; Springfield Trailer Co.;
Strick Co.; Timpfe Bros.; Trailer Co. of America;
Winter Weiss Co.; American Body and Trailer Co.;
Carter Mfg. Co.; Coleman Motors Corp.; Dorsey Brothers;
Krieger Steel Sections, Inc.; A. J. Miller (Auto Cruiser
Co.); Queen City Trailer Co.; Utility Trailer Co. Dolly-
Springfield Auto Works.

Classification: Standard.

Make of vehicle illustrated: Highway Trailer Co.

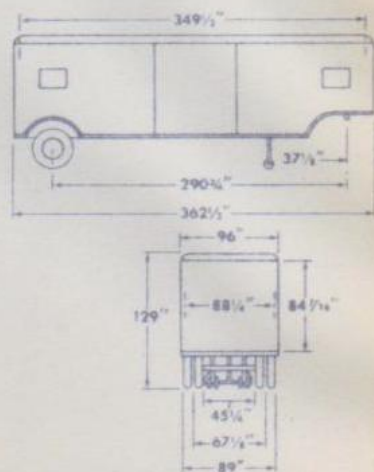
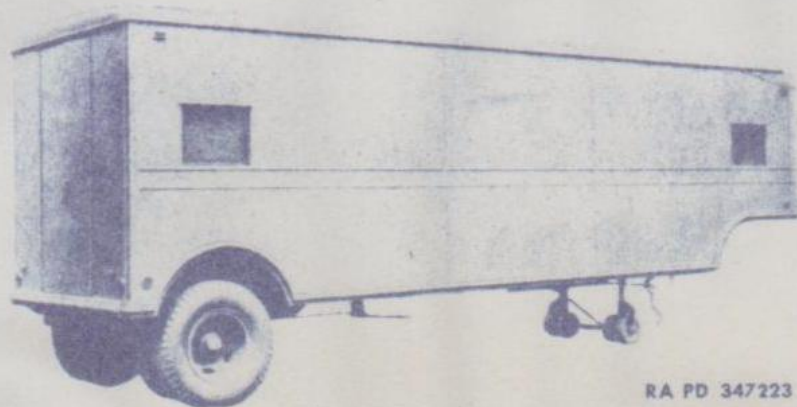
Purpose: Used by Transportation Corps and Ordnance to
transport general cargo.

Body type: Platform—removable stake sides—wood
Weight (lb): Net—9,430 Payload—10,000 Gross—29,430
Weight distribution (lb):
Empty—5th wheel—3,390 Axle—6,040
Loaded—5th wheel—12,520 Axle—16,910
Loading height:

	(in.) 53 1/2
Tires: Ply—14	Size—11.00 x 20
	Operating—4
Maximum cool pressure:	(lb) 20
Ground clearance:	(in.) 16
Brakes: Service	Air
Towing vehicles to be used:	Truck-tractor, 5-ton, 4 x 2 (heavy)
Shipping dimensions, assembled vehicle: (cu ft) 1,785; (sq ft) 204	

Height dimension given is without top bows.

SEMITRAILER, 10-TON GROSS, TECHNICAL SUPPLY



RA PD 347223

Technical Order: 19-25-41

Manufacturer: Fruehauf Trailer Company.
Classification: Standard.

Purpose: Used by the AAF for storage, issue and transportation of aircraft spare parts and accessories.

GENERAL DATA

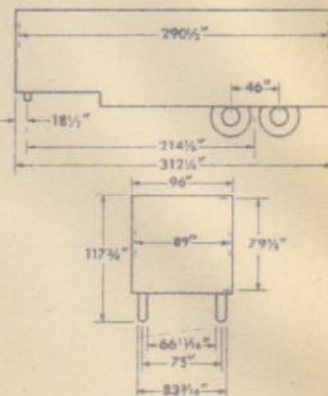
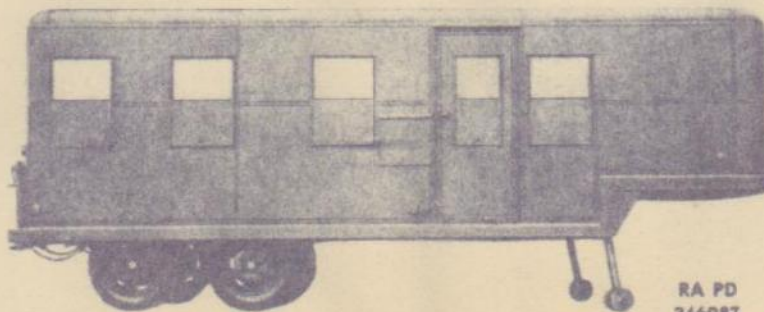
Body type:	Van
Weight (lb): Net—9,000	Payload—4,250 Gross—13,250
Weight distribution (lb):	
Empty—5th wheel—3,900	Axle—5,100
Loaded—5th wheel—5,800	Axle—7,450
Loading height:	(in.) 35
Tires: Ply—10	Size—9.00 x 20
Operating—4	Maximum cool pressure (lb) 65
Ground clearance:	(in.) 17 1/2
Brakes: Service—air	Parking—hand-operated
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4	
Shipping dimensions, assembled vehicle: (cu ft) 2,697; (sq ft) 241	
Pintle height (in.):	Rear—23
Fifth wheel: Size—30 in.	Type—Ordnance standard

ADDITIONAL DATA

Equipment includes a 110-volt generator driven by a one-cylinder, air-cooled gasoline engine, storage bins and heating and ventilating equipment.

This semitrailer is converted to a full trailer by means of Dolly, Trailer Converter, Type A-3.

SEMITRAILER, 6-TON GROSS, 4W, VAN, K-55



Manufacturers: A. J. Miller (Auto Cruiser Trailer Co.);
Oneonta Linn Corp.

Classification: Substitute standard.

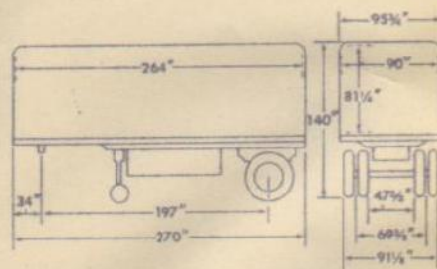
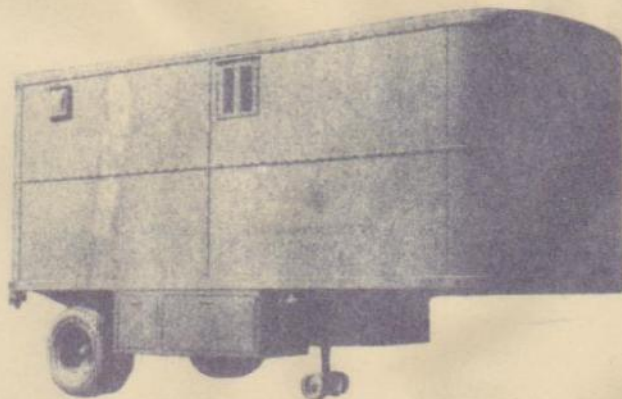
Make of vehicle illustrated: Miller.

Purpose: Used by Signal Corps to transport communications equipment.

Body type J Van

Weight (lb):
Uncrated Net—8,580 Payload—3,500 Gross—12,080
Tires: Ply—8 Size—7.50 x 20 Spare—1 Operating—4
Maximum cool pressure (lb): 55
Ground clearance: (in.) 15 1/4
Brakes: Service Electric
Towing vehicles to be used: Truck-tractor, 1 1/2-ton, 4 x 4,
K-73, capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 2045; (sq ft) 208
Fifth wheel: Size 33 in. Type—Universal

SEMITRAILER, 6-TON, 2W, VAN, MOBILE RECORDS



Parts List: SNL G-592

RA PD 346954

Manufacturer: Watson Automotive Equipment Co.

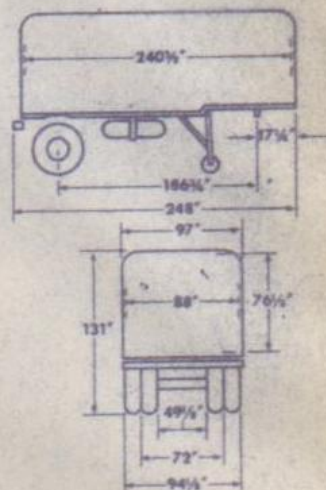
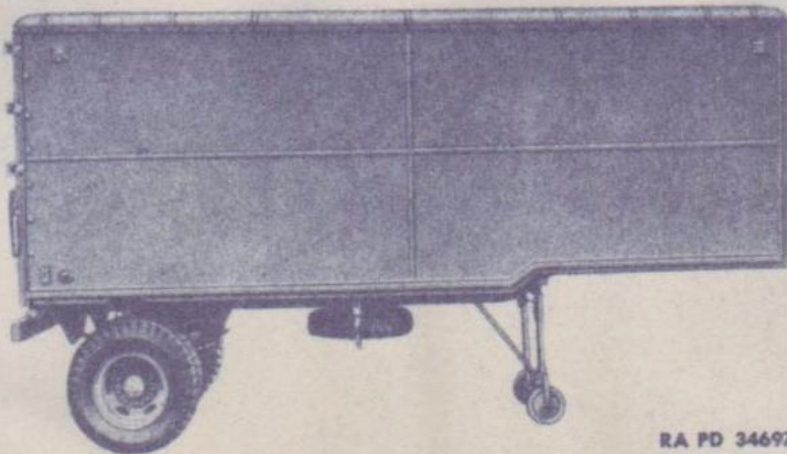
Classification: Standard.

Purpose: To provide mobility for electric accounting machines used in the field.

Body type: Van
Weight (lb): Net—10,700 Payload—12,000 Gross—22,700

Weight distribution (lb):
Empty—5th wheel, 4,200 Axle—6,500
Loaded—5th wheel, 9,000 Axle—13,700
Loading height: (in.) 56 1/4 Ground clearance: (in.) 16 1/4
Tires: Ply—10 Size—9.00 x 20 Operating 4
Maximum cool pressure (lb): 55
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4
Shipping dimensions, assembled vehicle: (cu ft) 2,100; (sq ft) 180

SEMITRAILER, 6-TON, 2W, VAN



RA PD 346979

Technical Manuals: 9-887, 9-888
Parts Lists: SNL G-545, 645, 787

Manufacturer: Refer to additional data.
Classification: Standard.

Make of vehicle illustrated: Gerstenslager Co.
Purpose: To transport general cargo.

GENERAL DATA

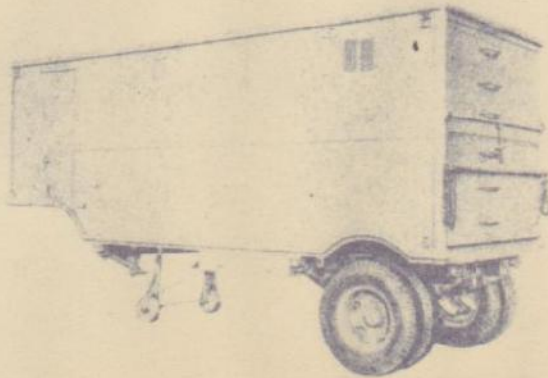
Body type: Van, wood or steel
Weight (lb): * Net—7,500 Payload—12,000 Gross—19,500
Weight distribution (lb):
Empty—5th wheel, 2,310 Axle—5,190
Loaded—5th wheel, 6,740 Axle—12,760
Loading height: (in.) 50 3/4
Tires: Ply—10 Size—9.00 x 20 Spare—1 Operating 4
Maximum cool pressure (lb): 65
Ground clearance: (in.) 13
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4, capacity
or greater.
Shipping dimensions, assembled vehicle: (cu ft) 1,819; (sq ft) 165.6

ADDITIONAL DATA

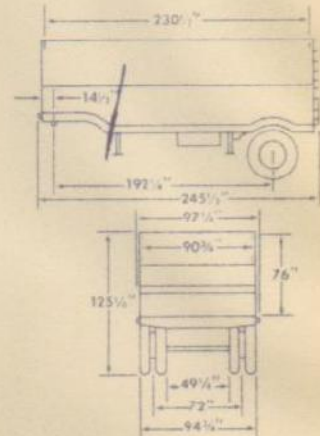
Similar vehicles manufactured by: American Body and Trailer Co.,
Dorsey Brothers, Gramm Truck and Trailer Corp., Highway
Trailer Co., Kentucky Mfg. Co., Olson Mfg. Co., Strick Co.,
Timpte Brothers, Trailer Company of America, Carter Mfg. Co.,
and Utility Trailer Mfg. Co.

*Steel body will increase weights by 500 pounds.

SEMITRAILER, 12-TON GROSS, 2W, VAN, K-78



RA PD 346996



Parts List: SNL G-698

Manufacturer: Fruehauf Trailer Co.

Classification: Standard.

Purpose: Used by Antiaircraft Artillery and Army Air Forces to house and transport radio equipment.

Body type: Special van
 Weight (lb): Gross—18,525
 Weight distribution (lb):
 Loaded—Lucette or 5th wheel, 6,900 Axle—11,625
 Loading height: (in.) 46
 Tires: Ply—10 Size—9.00 x 20; Operating—4
 Maximum cool pressure (lb) 55

Ground clearance: (in.) 16 1/2

Inside dimensions of forward section (in.):

Length—64 1/2; height—62 1/2.

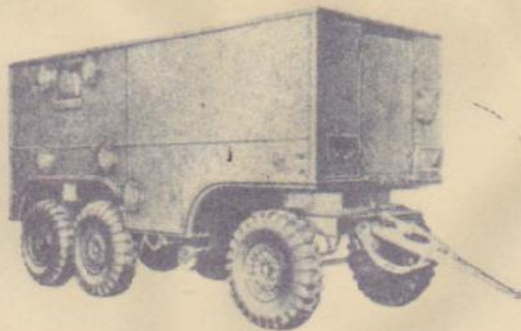
Brakes: Service—Air Parking—Hand, mechanical

Towing vehicles to be used: Truck-tractor, 4-5 ton, 4 x 4, K-32, and various.

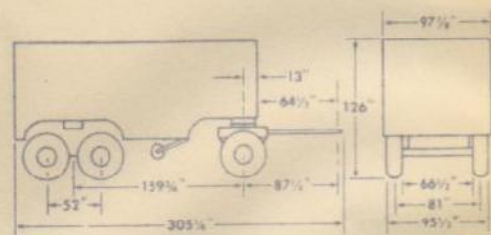
Shipping dimensions, assembled vehicle: (cu ft) 1,732; (sq ft) 166

Dolly K-83 used when track-laying artillery tractor is used as prime mover. Dolly towed behind semitrailer when not in use.

SEMITRAILER, 7-TON, 4W, W/DOLLY, 2W, VAN, M26



RA PD 347319



Technical Manual: 9-884

Parts List: SNL G-713

Manufacturer: Fruehauf Trailer Co.

Purpose: To transport gun computer M8N and M8P.

Classification: Standard.

Body type: Special van, made watertight for amphibious operation.
 *Weight (lb): Net—13,030 Payload—14,000 Gross—27,030
 Weight distribution (lb):
 Loaded 5th wheel—7,200; bogie—19,830
 Loading height: (in.) 35
 Tires: Ply—12 Size—14.00 x 20 Operating (w/dolly)—6
 Maximum cool pressure (lb) Front—90; rear—90

Ground clearance: (in.)

Brakes: Service—mechanical

Towing vehicles to be used: Truck, 3-5-ton, 4 x 4, or greater capacity

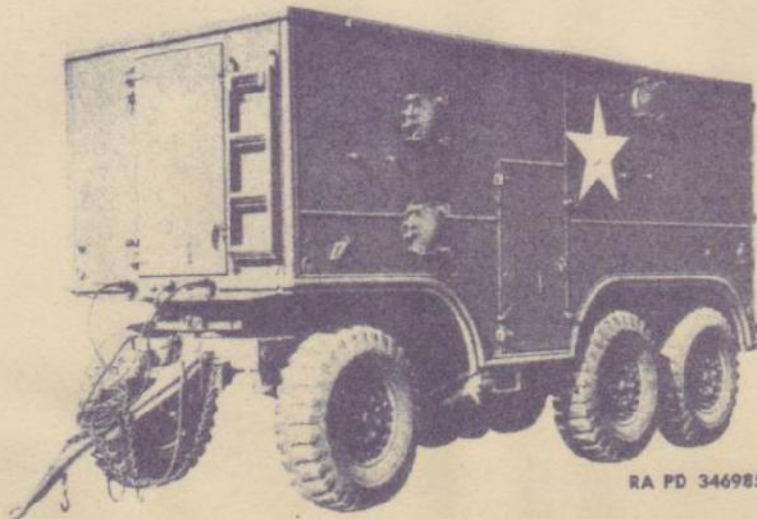
Pintle height (in.): Rear—24

Fifth wheel: Size 30 in. Type—Fruehauf roller

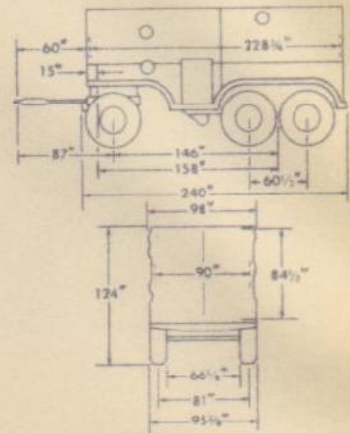
*Weights given for semitrailer; weight distribution for full trailer as follows:

Gross	Dolly 5th Wheel	Dolly	Dolly Axle	Bogie
29,500	7,555	2,470	10,025	19,475

SEMITRAILER, 15-TON GROSS, 4W, W/DOLLY, 2W, V-9/MPG-1



RA PD 346985



Technical Manual: 9-884
Parts List: SNL G-713

Manufacturer: Fruehauf Trailer Co.
Classification: Standard when part of radio set
AN/MPG-1.

Purpose: Used by Coast Artillery to house and transport
radio set AN/MPG-1.

GENERAL DATA

Body type: Special Van, Amphibian
Weight (lb): Gross—26,175*
Weight distribution (lb):
 Loaded—5th wheel, 6,775 Bogie—19,400*
Loading height: (in.) 35
Tires: Ply—12 Size—14.00 x 20 Operating—6
 Maximum cool pressure (lb): Front—90; rear—90
Ground clearance (in.): (at landing gear) 15
Towing vehicles to be used: Truck-tractor, 5-6 ton, 4 x 4 capacity
 or greater.
Brakes: Service Air
Shipping dimensions, assembled vehicle: (cu ft) 1,688; (sq ft) 164
Pintle height (in.): Rear—24
Fifth wheel: Size 30 in.; Type—Fruehauf roller**

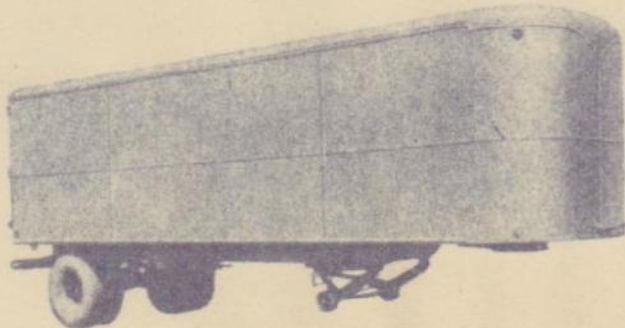
ADDITIONAL DATA

*Weights given are for semitrailer; weight distribution as full trailer
is given below:

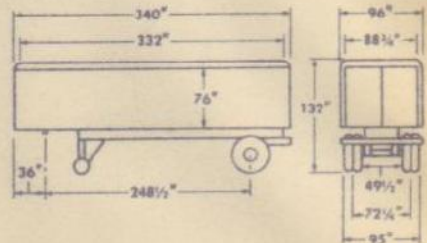
Gross	Dolly 5th Wheel	Dolly	Dolly Axle	Bogie
28,645	7,275	2,470	9,745	18,900

**Dolly 5th wheel—semitrailer designed for use with truck-tractor
equipped with 5th wheel per Ordnance Drawing 9100 Z.
Inside dimensions forward section—length 84 1/2 inches. Height
61 1/2 inches

SEMITRAILER, 11-TON PAYLOAD, 15-TON GROSS, 2W, VAN 28 FT



RA PD 347256



Technical Manuals: 9-894, 9-895, 9-896

Parts List: SNE G-677, 706, 712

Manufacturers: Kentucky Mfg. Co.; Omaha Standard Body Corp.; Reliance Trailer and Truck Co.

Make of vehicle illustrated: Omaha Standard Body Corporation.

Purpose: To transport general cargo.

Body type: Van
 Weight (lb): Net—8,000 Payload—22,000 Gross—30,000
 Loading height: (in.) 57

Weight distribution (lb):

Empty 5th wheel—2,880; axle—5,120
 Loaded 5th wheel—13,000; axle—17,000
 Tires: Ply—12 Size—10.00 x 20; Operating—4; Spare—1
 Maximum cool pressure (lb) 70
 Ground clearance: (in.) 14
 Brakes: Service Air—Westinghouse

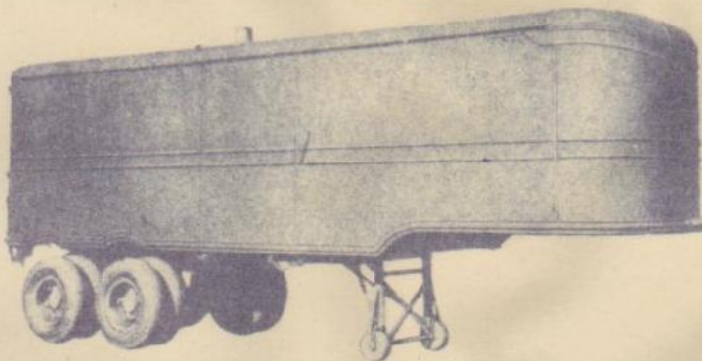
Towing vehicles to be used:

Truck-tractor, 5-6 ton, 4 x 4 capacity or greater

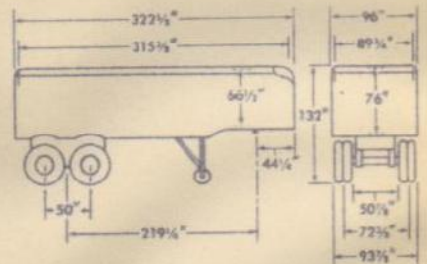
Shipping dimensions, assembled vehicle:

(cu ft) 3,512.4; (sq ft) 228.4

SEMITRAILER, 12 1/2-TON PAYLOAD, 4W, TANDEM VAN



RA PD 347330



Technical Manual: 10-1446

Manufacturer: Fruehauf Trailer Co.

Classification: Limited standard.

Purpose: To transport general cargo.

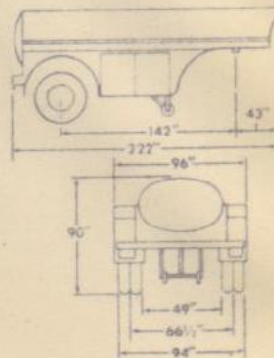
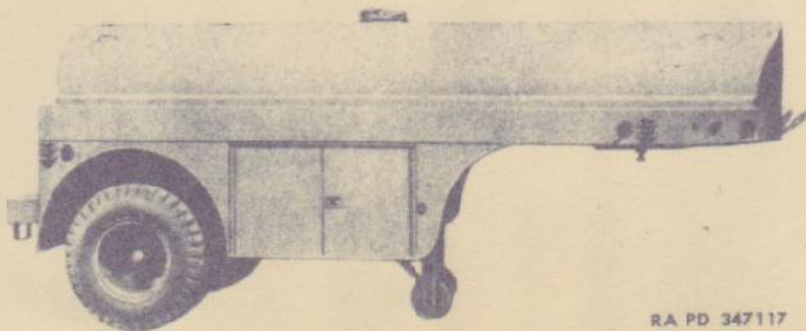
Body type: Van
 Tires: Ply—10 Size—9.00 x 20 Operating—8 Spare—1
 Maximum cool pressure (lb) 65
 Weight (lb): Net—10,200 Payload—25,000 Gross—35,200

Weight distribution (lb):

Empty 5th wheel—2,350; bogie axles—3,925 on each
 Loaded, Lunette or 5th wheel—13,500; bogie axles—10,850 on each
 Loading height: (in.) 50
 Ground clearance: (in.) 12 1/2
 Brakes: Service Westinghouse—air
 Towing vehicles to be used: Truck-tractor, 2 1/2-ton, 6 x 4 or 4-5-ton, 4 x 4

Shipping dimensions, assembled vehicle: (cu ft) 2,365; (sq ft) 215

TANK, WATER, STEEL, SEMITRAILER MOUNTED, 1,500 GAL



RA PD 347117

Technical Manuals:
5-9836, 5-9312

Manufacturer: Columbian Steel Tank Company.
Classification: Standard.
Purpose: Used by Corps of Engineers to transport and dispense water.

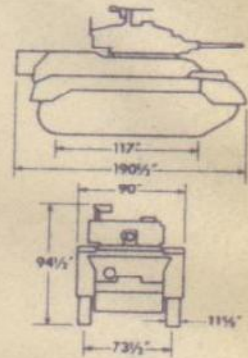
Body type:	Frameless steel tank	
Weight (lb): Net—7,250	Payload—12,450	Gross—19,700
Weight distribution (lb):		
Empty	5th wheel—2,450; axle—4,800	
Loaded	5th wheel—8,350; axle—11,350	

Tires: Ply—10	Size—9.00 x 20	Operating—4
Maximum cool pressure		(lb) 50
Ground clearance:		(in.) 14 1/2
Brakes: Service—air		Parking—hand-mechanical
Towing vehicles to be used: truck, 4-5 ton, 4 x 4 or 5-6 ton, 4 x 4		
Shipping dimensions, assembled vehicle: (cu ft) 1,110; (sq ft) 148		
Fifth wheel:	Size 30 in.; Type—oscillating	

This vehicle is equipped with a Wisconsin type AB aircooled gas engine and a Red Jacket—Model 7MHG-AB pump.
Tank is lined with gasoline- and water-resistant coating.

Section XVI. Tanks

TANK, LIGHT, M5A1



Technical Manuals: 9-732, 9-1727C, 9-1727D, 9-1727E, 9-1727F, 9-1727G, 9-1727K, 9-1729A, 9-1828A, 9-1826A, 9-1828A, 9-1829A

Parts List: SNL G-163, Vol. 8

RA PD 346984

Manufacturer: Cadillac Motor Car Division (GMC).

Classification: Limited standard.

Armament: 1 gun, 37-mm, M6; 1 gun, machine, cal. .30, M1919A5 (fixed); 2 guns, machine, cal. .30, M1919A4 (flexible).

Ammunition: 147 rounds, 37-mm; 6500 rounds, cal. .30; 540 rounds, cal. .45; 12 hand grenades: 4MKII; 2MKIII; 4 smoke M8; 2 thermite incendiary.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew	4
Weight—fighting (lb)	33,907
Shipping dimensions: Uncrated (cu ft) 1,036	(sq ft) 118.5
Track width (in.): 11 1/2	Ground clearance (in.) 13 1/4
Ground pressure (lb per sq in.)	12.5
Electrical system	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70-80 octane gasoline)	(gal) 82
Cooling system	(qt) 70
Crankcase (refill)	each (qt) 8
Transmission	(qt) 15
Differential (and transfer case)	(qt) 28
Brakes:	Mechanical—controlled differential
Transmission: Speeds	4
(Gear ratio: High—direct; Low—3.26:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.37:1)	
Final drive: (gear ratio)	2.57:1
Hull construction:	Rolled homogeneous armor
Communication system:	Type—radio and interphones

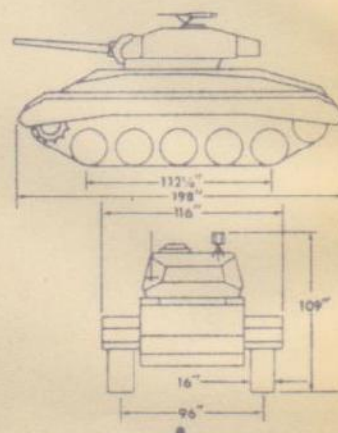
PERFORMANCE

Maximum gradability:	(percent)	60
Turning radius (ft):	Right—21; left—21	
Fording depth:	(in.)	36
Maximum width of ditch vehicle will cross:	(in.)	54
Maximum vertical obstacle vehicle will climb:	(in.)	18
Fuel consumption (average conditions):	(mpg)	1.2
Cruising range (average conditions):	(mi)	100
Maximum allowable speed:	(mph)	36

ENGINE

Manufacturer:	Cadillac	Model—Series 42—two used
Type:		V-8
No. of cylinders: (each)		8
Displacement:	(cu in.)	346
Bore:	(in.)	3 1/2
Stroke:	(in.)	4 1/2
Maximum governed speed:		Not governed
Brake horsepower:	110 at (rpm)	3,400
Torque:	240 ft-lb at (rpm)	1,200
Type of ignition:		Distributors

TANK, LIGHT, M24 (T24)



Technical Manuals: 9-729, 9-1727A,
9-1729A, 9-1729B, 9-1729C,
9-1825A, 9-1826A, 9-1829A
Parts List: SNL G-200

RA PD 347020

Manufacturer: Cadillac Motor Car Division (GMC).

Classification: Standard.

Armament: One gun, 75-mm M6; one gun, machine, cal. .30, M1919A4 (fixed); one gun, machine, cal. .30, M1919A4 (flexible); one gun, machine, cal. .50, M2 (flexible); one mortar (smoke) M3, 8 hand grenades.

Ammunition: 48 rounds, 75-mm; 3750 rounds, cal. .30; 440 rounds, cal. .50; 720 rounds, cal. .45; 14 2-inch smoke bombs.

Purpose: To provide mobile firepower and crew protection for offensive combat.

GENERAL DATA

Crew:	4 or 5
Weight (fighting):	(lb) 40,500
Shipping dimensions: Uncrated (cu ft) 1,443	(sq ft) 190
Ground clearance:	(in.) 18
Ground pressure:	(lb per sq in.) 11.08
Electrical system:	(volts) 24
No. of batteries (12 volts)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 115
Cooling system	(qt) 40
Crankcase (each)	(qt) 9
Transmission	(qt) 15
Differential	(qt) 20
Transfer case	(qt) 2 1/2
Final drive (each)	(qt) 2
Brakes:	Mechanical—controlled differential
Transmission: Speeds	4
(Gear ratio: High—direct, Low—3.92:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.03:1; Low—2.34:1)	
Final drive: Gear ratio	2.55:1
Hull construction:	Homogeneous armor
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—23; left—23
Fording depth:	(in.) 40
Maximum width of ditch vehicle will cross:	(in.) 96
Maximum vertical obstacle vehicle will climb:	(in.) 36
Fuel consumption (average conditions):	(mpg) 7 1/2

Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 34

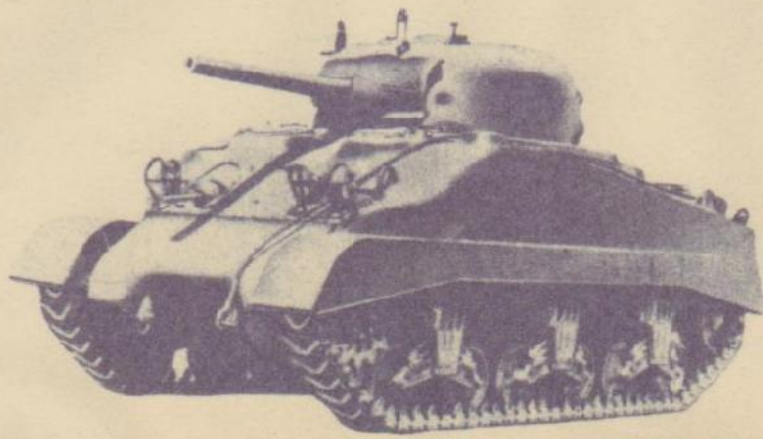
ENGINE

Manufacturer: Cadillac (2 engines used)	Model 44T24
Type: V-8, 4-cycle	No. of cylinders (each) 8
Displacement:	(each) (cu in.) 346
Bore:	(in.) 3 1/2
Stroke:	(in.) 4 1/2
Maximum governed speed:	Not governed
Brake horsepower:	110 at (rpm) 3,400
Torque:	240 ft-lb at (rpm) 1,200
Type of ignition:	Distributor

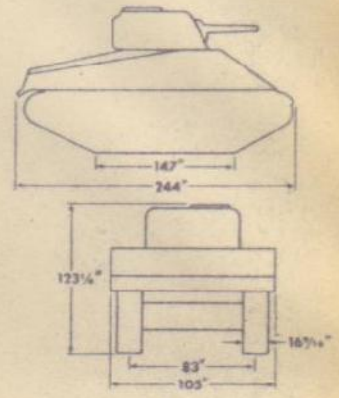
ADDITIONAL DATA

R & V - HKGS
GEREGISTREERD

TANK, MEDIUM, M4 (75-MM GUN)



RA PD 347145



Technical Manuals: 9-731A;
9-1725, 9-1731G, 9-1750, 9-1750C,
9-1750D, 9-1750K, 9-1751, 9-1825B,
9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-104, Vol. VI

Manufacturers: Baldwin Locomotive Works; American Locomotive Co.; Detroit Tank Arsenal (Chrysler); Pressed Steel Car Co.; Pullman Standard Car Mfg. Co.
Classification: Substitute standard.

Armament: 1 gun, 75-mm, M3; 1 gun, cal. .50, M2 (flexible); 2 guns, cal. .30, M1919A4 (flexible); 1 mortar (smoke) 2-inch, M3.

Ammunition: 97 rounds, 75-mm; 4,750 rounds, cal. .30; 600 rounds, cal. .50; 600 rounds, cal. .45; 12 rounds 2-inch smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 67,162 ⁴
Shipping dimensions:	
Uncrated	(cu ft) 1,823; (sq ft) 177
Ground clearance	(in.) 17 1/2
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 13.7
Electrical system:	(volts) 24
No. of batteries (12 volt)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Cooling system	Air cooled
Transmission and differential	(qt) 164
Oil tank	(qt) 36
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio:	2.84:1
Hull construction:	Rolled homogeneous; turret, cast homogeneous
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradient:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 26
Cruising speeds: (mph) (1st—2; 2nd—5; 3rd—9; 4th—14; 5th—24)	

ENGINE

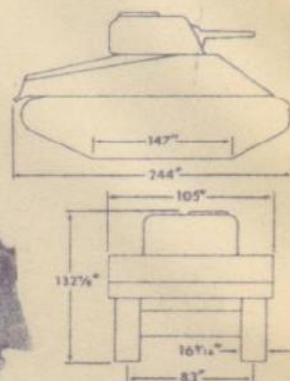
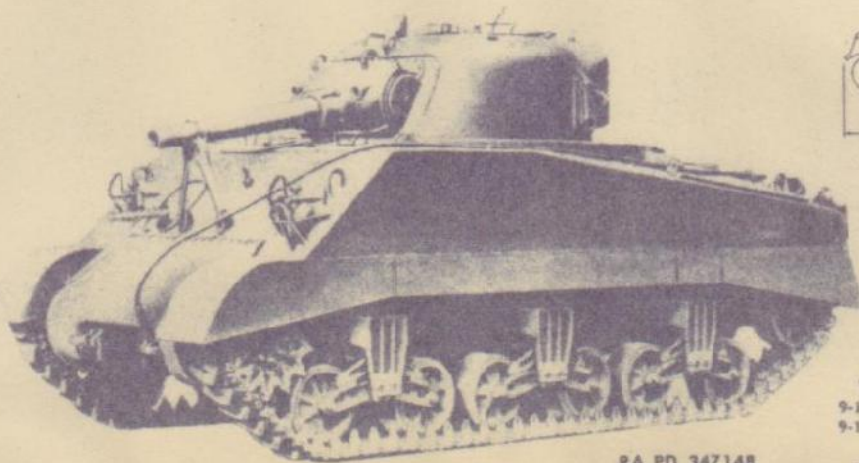
Manufacturer:	Continental	Model R975C1
Type:	Radial, 4-cycle	No. of cylinders 9
Displacement:		(cu in.) 973
Bore:		(in.) 5
Stroke:		(in.) 5 1/2
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		350 at (rpm) 2,400
Torque:		840 ft-lb at (rpm) 1,800
Type of ignition:		Magneto

ADDITIONAL DATA

⁴Weight based on tracks, type T48.

Auxiliary generator, Homolite—Model HRUH.

TANK, MEDIUM, M4 (105-MM HOWITZER)



RA PD 347148

Technical Manuals: 9-731AA, 9-1725, 9-1731G, 9-1731K, 9-1756, 9-1750C, 9-1750D, 9-1750K, 9-1825B, 9-1826B, 9-1828A, 9-1829A
Parts List: SNL G-104, Vol. 14

Manufacturer: Detroit Tank Arsenal (Chrysler).

Classification: Limited standard.

Armament: One howitzer, 105-mm, M4; one gun, machine, cal. .50, M2 (flexible); two guns, machine, cal. .30 M1919A4 (flexible); one mortar (smoke); 2-inch M3.

Ammunition: 66 rounds, 105-mm howitzer; 600 rounds, cal. .50; 4,000 rounds, cal. .30; 900 rounds, cal. .45; 12 rounds, 2-inch (smoke); 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 69,385 ^a
Shipping dimensions:	
Uncrated:	(cu ft) 1,947; (sq ft) 177
Ground clearance:	(in.) 17 1/4
Pintle height: (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 14.2
Electrical system:	(volts) 24
No. of batteries (12 volt):	2
Capacities:	
Fuel (80 octane gasoline):	(gal) 172
Cooling system:	Air cooled
Transmission, differential and final drive:	(qt) 154
Oil tank:	(qt) 36
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio:	2.84:1
Hull construction:	
Rolled homogeneous armor plate, Turret—cast homogeneous armor	
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mi) .6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 24
Cruising speed: (mph) (1st—2; 2nd—5; 3rd—9; 4th—14; 5th—24)	

ENGINE

Manufacturer:	Continental	Model R-975C4
Type:	Radial, 4-cycle	No. of cylinders 9
Displacement:		(cu in.) 973
Bore:		(in.) 5
Stroke:		(in.) 5 1/2
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		400 at (rpm) 2,400
Torque:		940 ft-lb at (rpm) 1,700
Type of ignition:		Magneto

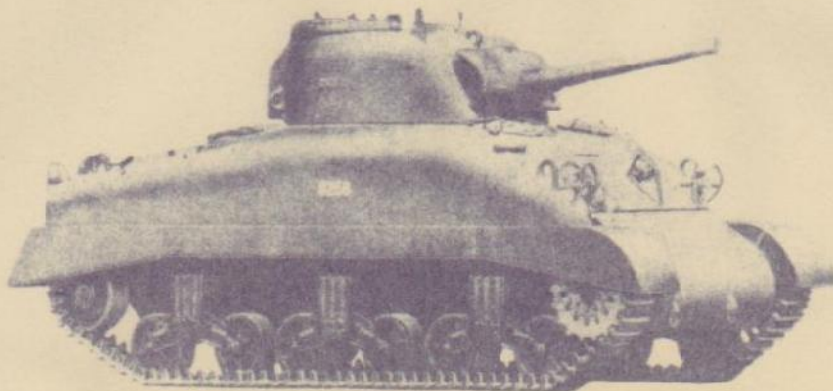
ADDITIONAL DATA

^aWeight computed with T48 tracks.

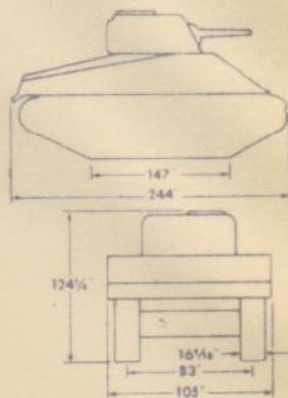
^bWhen T66 tracks are used with horizontal suspension, over-all width of vehicle will be increased to 118 inches; fighting weight will be increased by 2,950 lb.

Auxiliary enerator, Homolite—Model HRUH.

TANK, MEDIUM, M4A1 (75-MM GUN)



RA PD 347135



Technical Manuals: 9-731A, 9-731AA, 9-1725, 9-1731G, 9-1750, 9-1750C, 9-1750D, 9-1750K, 9-1825B, 9-1826B, 9-1828A, 9-1829A

Parts List: SNI G-104, Vol. 2

Manufacturers: Lima Locomotive Works, Inc.; Pacific Car & Foundry Co.; and Pressed Steel Car Co.

Classification: Substitute standard.

Armament: 1 gun, 75-mm, M3; 1 gun, cal. .50, M2 (flexible); 2 guns, cal. .30, M1919A4; 1 mortar (smoke), 2-in. M3.

Ammunition: 90 rounds, 75-mm; 600 rounds, cal. .50; 600 rounds, cal. .45; 4750 rounds, cal. .30; 12 2-in. smoke bomb; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 66,973*
Shipping dimensions:	
Uncrated	(cu ft) 1,823; (sq ft) 177
Ground clearance:	(in.) 17 1/2
Ground pressure:	(lb per sq in.) 13.7
Electrical system:	(volts) 24
No. of batteries (12 volt)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Auxiliary generator fuel tank	(gal) 6
Cooling system	Air cooled
Transmission and differential	(qt) 164
Oil tank	(qt) 36
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
Gear ratio: High—0.73:1; Low—7.56:1	
Final drive: Gear ratio	2.84:1
Hull construction:	Cast homogeneous
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) .6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 27

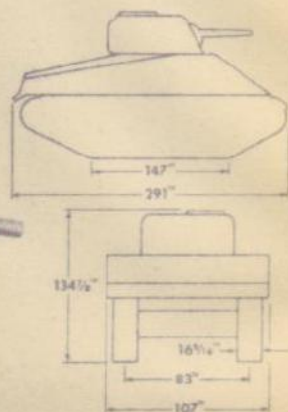
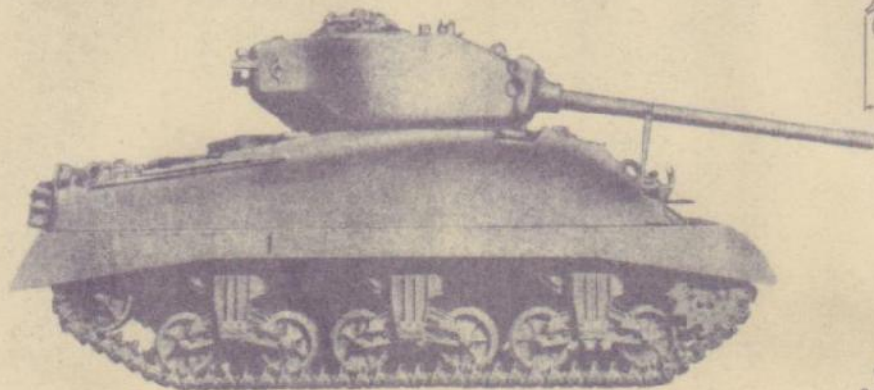
ENGINE

Manufacturer: Continental	Model R975-C1
Type: Radial	No. of cylinders 9
Displacement:	(cu in.) 973
Bore:	(in.) 5
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 2,400
Net horsepower:	350 at (rpm) 2,400
Torque:	840 ft-lb at (rpm) 1,800
Type of ignition:	Magneto

ADDITIONAL DATA

*Weights computed with type T-48 tracks.

TANK, MEDIUM, M4A1 (76-MM GUN, WET)



RA PD 347142

Technical Manuals: 9-731AA,
9-1725, 9-1731G, 9-1731K, 9-1750,
9-1750C, 9-1750D, 9-1750K, 9-1825B,
9-1826B, 9-1826A, 9-1829A

Parts List: SNL G-207

Manufacturer: Pressed Steel Car Co.

Classification: Standard.

Armament: 1 gun, 76-mm; 1 gun, machine, cal. .50, M2 (flexible A.A.); 2 guns, cal. .30, M1919A4 (flexible); 1 mortar (smoke) 2-in., M3.

Ammunition: 71 rounds, 76-mm; 600 rounds, cal. .50; 600 rounds, cal. .45; 6,250 rounds, cal. .30; 12 smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 70,645 ^{4*}
Shipping dimensions:	
Unerated	(cu ft) 2,394; (sq ft) 313
Ground clearance	(in.) 17 3/4
Ground pressure:	(lb per sq in.) 14.5
Electrical system:	(volts) 24
No. of batteries (12 volt):	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Cooling system	Air cooled
Transmission and differential	(qt) 164
Oil tank	(qt) 36
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio:	2.84:1
Hull construction:	
Upper and turret, cast homogeneous; lower, welded plate	
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) .6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 24

ENGINE

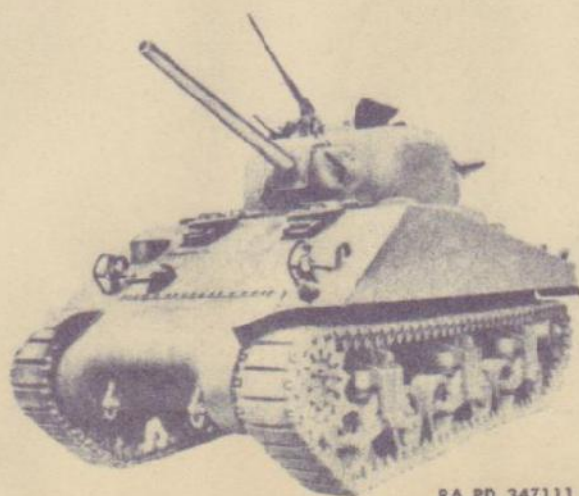
Manufacturer:	Continental	Model R975C4
Type:	Radial	No. of cylinders 9
Displacement:		(cu in.) 973
Bore:		(in.) 5
Stroke:		(in.) 5 1/2
Maximum governed speed:		(rpm) 2,400
Brake horsepower:		400 at (rpm) 2,400
Torque:		940 ft-lb at (rpm) 1,700
Type of ignition:		Magneto

ADDITIONAL DATA

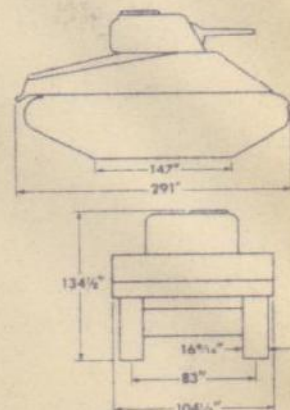
⁴Weight computed with type T48 tracks.

*With T66 tracks, vehicle width will be increased to 118 inches, and fighting weight will be increased by 2,950 lb.

TANK, MEDIUM, M4A2 (76-MM GUN, WET)



RA PD 347111



Technical Manuals: 9-731B,
9-1731G, 9-1731K, 9-1750B, 9-1750G,
9-1750K, 9-1825A, 9-1825B
Parts List: SNL G-212

Manufacturer: Fisher Tank Division (GMC).

Classification: Standard.

Armament: 1 gun, 76-mm, M1A2; 1 gun, cal. .50, M2, (flexible); 2 guns, cal. .30, M1919A4 (flexible); 1 mortar (smoke) 2-in., M3.

Ammunition: 71 rounds, 76-mm; 600 rounds, cal. .50; 6250 rounds, cal. .30; 14 2-in. smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (lb): (fighting)	73,445 ⁴⁸
Shipping dimensions:	
Uncrated	(cu ft) 2,363; (sq ft) 211
Ground clearance:	(in.) 17 1/2
Pintle height (loaded):	(in.) 23
Ground pressure:	(lb per sq in.) 15
Electrical system:	(volts) 24
No. of batteries (12-volt)	2
Capacities:	
Fuel (40-45 cetane Diesel fuel oil)	(gal) 148
Cooling system	(qt) 120
Crankcase (refill)	(qt) 28
Transmission and differential	(qt) 164
Transfer case	(qt) 2 1/2
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—7.3:1; Low—7.56:1)	
Transfer case: Speeds	Fixed
(Gear ratio: High—1.37 to engine)	
Final drive: Gear ratio	2.84:1
Hull construction:	Rolled homogeneous; turret—cast homogeneous
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 40
Maximum width of ditch vehicle will cross:	(in.) 96
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) .7

Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 28
Cruising speed: (mph) (1st—7; 2nd—6; 3rd—10; 4th—16; 5th—28)	
Maximum allowable towed load:	(lb) 10,000

ENGINE

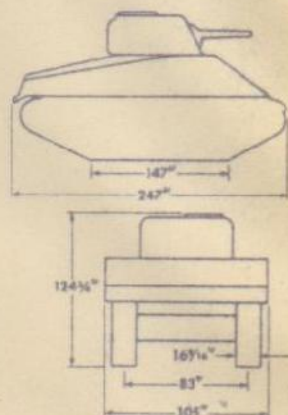
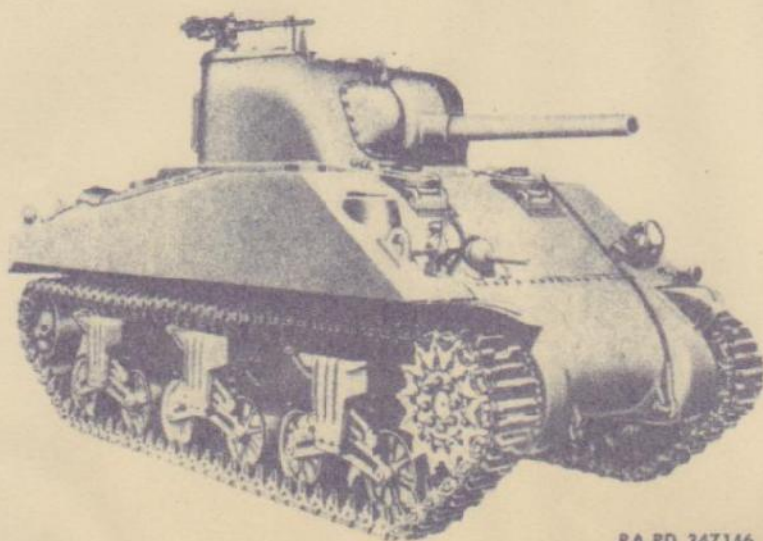
Manufacturer: GMC	Model 6046D (wet sump)
Type:	Twin Diesel—2-cycle
No. of cylinders:	12
Displacement:	(cu in.) 850
Bore:	(in.) 4 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,100
Net horsepower:	375 at (rpm) 2,100
Torque:	855 ft-lb at (rpm) 1,300
Type of ignition:	Compression

ADDITIONAL DATA

⁴⁸Weight computed with type T48 tracks.

*When type T66 track with horizontal suspension is used, over-all width of vehicle will be increased to 118 inches; fighting weight will be increased by 2,950 lb.

TANK, MEDIUM, M4A3 (75-MM GUN)



Technical Manuals: 9-759,
9-1731B; 9-1731G, 9-1731K, 9-1750B,
9-1750K, 9-1825A, 9-1825B, 9-1826B,
9-1828A, 9-1829A

Parts List: SNL G-104, Vol. 8

RA PD 347146

Manufacturer: Ford Motor Co.
Classification: Substitute standard.
Armament: One gun, 75-mm, M3; one gun, machine, cal. .50, M2 (flexible); two guns, machine, cal. .30, M1919A4, (flexible).

Ammunition: 97 rounds, 75-mm; 300 rounds cal. .50; 4,750 rounds cal. .30; 600 rounds, cal. .45; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 66,906*
Shipping dimensions:	
Uncrated	(cu ft) 1,861; (sq ft) 179
Ground clearance:	(in.) 17 1/4
Vehicle dimensions (over all):	
Height	(in.) 124 1/4
Width	(in.) 105
Length	(in.) 247
Pintle height (loaded)	(in.) 38
Ground pressure	(lb per sq in.) 13.7
Electrical system:	(volts) 24
No. of batteries (12 volt)	2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Cooling system	(qt) 56
Crankcase (refill)	(qt) 32
Transmission, differential, and final drives	(qt) 164
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio:	2.84:1
Hull construction: Rolled homogeneous; Turret—cast homogeneous	
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6

Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 24
Cruising speed: (mph) (1st—2; 2nd—6; 3rd—10; 4th—16; 5th—24)	
Maximum allowable towed load:	(lb) 10,000

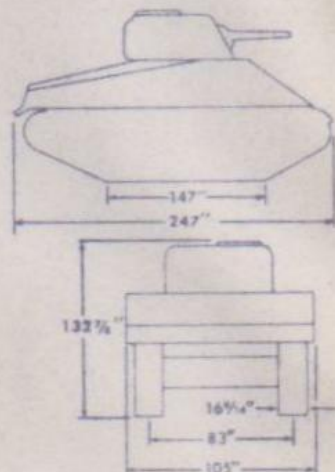
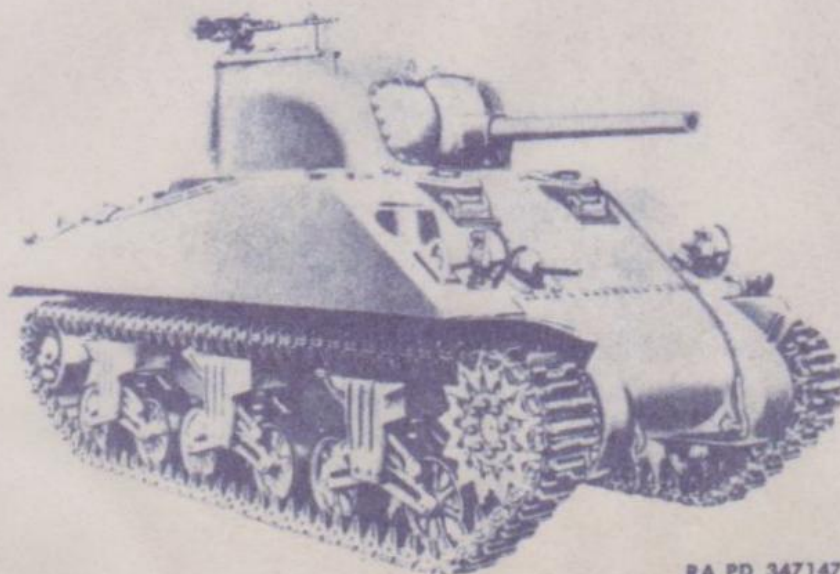
ENGINE

Manufacturer: Ford	Model GAA
Type: V-8, 4-cycle	No. of cylinders 8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	450 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

*Weight computed with type T48 tracks.

TANK, MEDIUM, M4A3 (75-MM GUN, WET)



Technical Manuals: 9-759, 9-1731B, 9-1731G, 9-1731K, 9-1750B, 9-1750K, 9-1825A, 9-1825B, 9-1826B, 9-1828A, 9-1829A

RA PD 347147

Parts List: SNL G-204

Manufacturer: Fisher Tank Division (GMC).

Classification: Standard.

Armament: 1 gun, 75-mm, M3; 1 gun, cal. .50, M2 (flexible); 1 gun, cal. .30, M1919A4 (flexible); 1 mortar (smoke), 2 in. M3.

Ammunition: 104 rounds, 75-mm; 600 rounds, cal. .50; 6250 rounds, cal. .30; 900 rounds, cal. .45; 18 2-in. smoke bombs; 12 hand grenades.

Purpose: To provide mobile firepower and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	** (lb) 69,565
Shipping dimensions: Uncrated (cu ft) 1,970	(sq ft) 179
Ground clearance:	(in.) 17 1/4
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 14.3
Electrical system:	(volts) 24
No. of batteries:	(12 volt) 2
Capacities:	
Fuel (80 octane gasoline)	(gal) 168
Cooling system	(qt) 56
Crankcase (refill)	(qt) 32
Transmission and differential	(qt) 164
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—7.3:1; Low—7.56:1)	
Final drive: Gear ratio	2.84:1
Hull construction: Homogeneous welded; Turret—cast homogeneous	
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 26
Cruising speed (mph): 1st—2; 2nd—6; 3rd—10; 4th—16; 5th—24	
Maximum allowable towed load:	(lb) 10,000

ENGINE

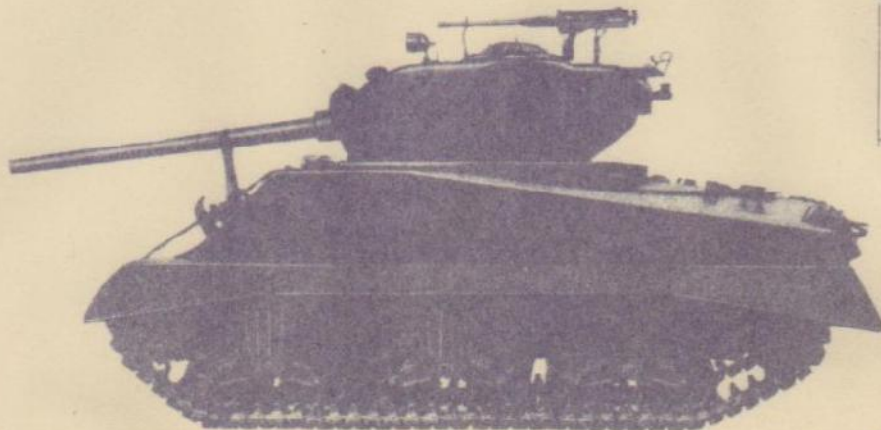
Manufacturer: Ford	Model GAA
Type: V-8, 4-cycle	No. of cylinders 8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,800
Net horsepower:	500 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

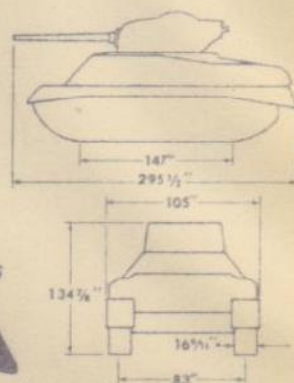
*When type T66 track with horizontal suspension is used, overall width of vehicle will be increased to 118 inches, fighting weight will be increased by 2,950 lb.

*Weight computed with type T48 tracks.

TANK, MEDIUM, M4A3 (76-MM GUN, WET)



RA PD 347078



Technical Manuals: 9-759,
9-1731B, 9-1731G, 9-1731K, 9-1750B,
9-1750K, 9-1825A, 9-1825B, 9-1826B,
9-1828A, 9-1829A

Parts List: SNL G-205

Manufacturer: Detroit Tank Arsenal (Chrysler).

Classification: Standard.

Armament: One gun, 76-mm, M1A2; one gun, cal. .50, M2 (flexible AA); one gun, cal. .30, M1919A4 (flexible); one mortar (smoke) 2-inch, M3.

Ammunition: 71 rounds, 76-mm; 600 rounds, cal. .50; 6,250 rounds, cal. .30; 900 rounds, cal. .45; 18 2-inch smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 71,175 ^{4B}
Shipping dimensions:	
Uncrated:	(cu ft) 2,416; (sq ft) 215
Ground clearance:	(in.) 17 1/4
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 14.6
Electrical system:	(volts) 24
No. of batteries (12 volt):	2
Capacities:	
Fuel (80 octane gasoline):	(gal) 168
Cooling system:	(qt) 56
Crankcase (refill):	(qt) 32
Transmission, differential and final drive:	(qt) 164
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Gear ratio:	2.84:1
Hull construction:	Rolled homogeneous armor plate; turret, cast homogeneous armor
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6
Cruising range (average conditions):	(mi) 100

Maximum allowable speed:	(mph) 26
Cruising speed: (mph) (1st—2; 2nd—6; 3rd—10; 4th—16; 5th—24)	
Maximum allowable towed load:	(lb) 10,000

ENGINE

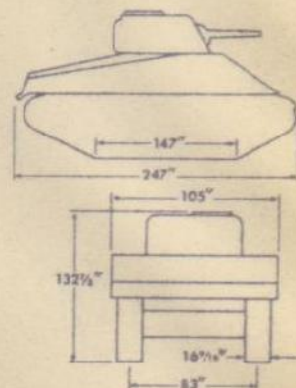
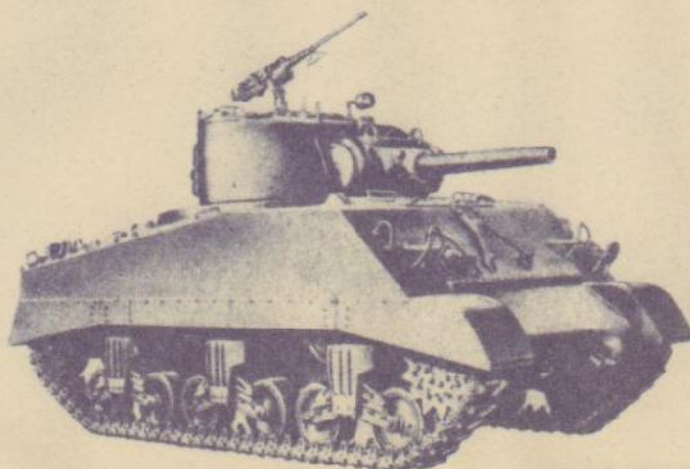
Manufacturer: Ford	Model GAA
Type: V8, 4-cycle	No. of cylinders 8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	500 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

^{4A}Weight computed with type T48 tracks.

^{4B}When type T66 track with horizontal suspension is used, over-all width of vehicle will be increased to 118 inches; fighting weight will be increased by 2,950 lb.

TANK, MEDIUM, M4A3 (105-MM HOWITZER)



Technical Manuals: 9-759,
9-1731B, 9-1731G, 9-1731K, 9-1790B,
9-1750K, 9-1825A, 9-1825B, 9-1826B,
9-1828A, 9-1829A
Parts List: SNI G-184, Vol. 15

RA PD 347150

Manufacturers: Detroit Tank Arsenal (Chrysler); Ford Motor Co.

Classification: Limited standard.

Armament: One howitzer, 105-mm, M4; one machine gun, cal. .50 M2 (flexible); two guns cal. .30, M1919A4 (flexible); one mortar (smoke) 2-inch, M3.

Ammunition: 66 rounds, 105-mm howitzer; 600 rounds cal. .50; 4,000 rounds, cal. .30; 900 rounds, cal. .45; 15 2-inch smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 69,915**
Shipping dimensions:	
Uncrossed:	(cu ft) 1,970; (sq ft) 179
Ground clearance:	(in.) 17 1/2
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 14.3
Electrical system:	(volts) 24
No. of batteries (12 volt):	2
Capacities:	
Fuel (80 octane gasoline):	(gal) 168
Cooling system:	(qt) 56
Crankcase (refill):	(qt) 32
Transmission, differential and final drive:	(qt) 161
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: gear ratio:	2.84:1
Hull construction:	
Rolled homogeneous armor plate; Turret—cast homogeneous armor	
Communication system:	Type—radio and interphones

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) .6
Cruising range (average conditions):	(mi) 100

Maximum allowable speed:	(mph) 26
Cruising speed: (mph) (1st—2; 2nd—6; 3rd—10; 4th—16; 5th—24)	
Maximum allowable towed load:	(lb) 10,000

ENGINE

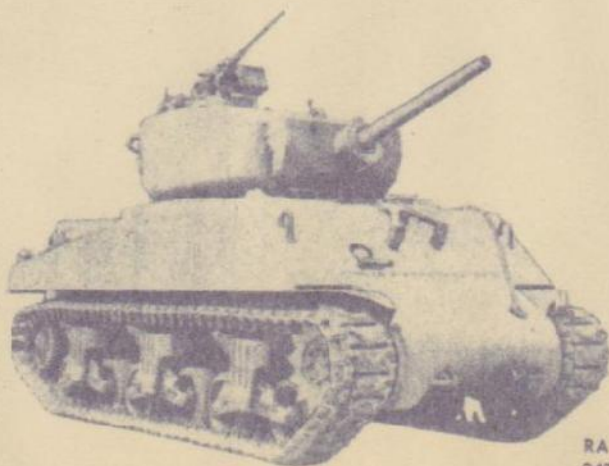
Manufacturer: Ford	Model GAA
Type: V8, 4-cycle	No. of cylinders 8
Displacement:	(cu in.) 1,100
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,800
Brake horsepower:	450 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

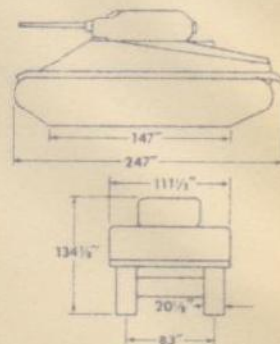
*Weight computed with type T48 tracks.

**When type T66 track with horizontal suspension is used, overall width of vehicle is increased to 118 in., fighting weight will be increased by 2,950 lb.

TANK, MEDIUM, M4A3E2 (75-MM GUN, WET) ASSAULT



RA PD
347079



Technical Manuals: 9-759, 9-1731B,
9-1731C, 9-1731K, 9-1754B, 9-1750K,
9-1825A, 9-1825B, 9-1824B, 9-1828A,
9-1829A

Parts List: SNL G-225

Manufacturers: Fisher Tank Division (GMC); Detroit Tank Arsenal (Chrysler).

Classification: Limited procurement.

Armament: 1 gun, 75-mm, M3; 1 gun, cal. .50, M2, (flexible); 2 guns, cal. .30, M1919A4 (flexible); 1 mortar (smoke), 2-in., M3.

Ammunition: 104 rounds, 75-mm; 600 rounds, cal. .50; 6250 rounds, cal. .30; 900 rounds, cal. .45; 18 2-in. smoke bombs; 12 hand grenades.

Purpose: To provide mobile fire power and crew protection for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	* (lb) 84,000
Shipping dimensions: Uncrated (cu ft) 2,146	(sq ft) 191
Ground clearance:	(in.) 17 1/2
Pintle height (loaded):	(in.) 28
Ground pressure:	(lb per sq in.) 14.1
Electrical system:	(volts) 24
No. of batteries:	(12 volt) 2
Capacities:	
Fuel (80 octane gasoline):	(gal) 158
Cooling system:	(qt) 56
Crankcase (refill):	(qt) 32
Transmission and differential:	(qt) 164
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
	(Gear ratio: High—7.3:1; Low—7.56:1)
Final drive: (Gear ratio: 3.36:1)	
Hull construction:	Homogeneous welded; turret—cast; top and gun shield, rolled homogeneous.
Communication system:	Radio and interphone

PERFORMANCE

Maximum gradability:	(percent) 60
Turning radius (ft):	Right—37; left—37
Fording depth:	(in.) 36
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 26
Cruising speed (mph): 1st—2; 2nd—6; 3rd—10; 4th—16; 5th—24	
Maximum allowable towed load:	(lb) 10,000

ENGINE

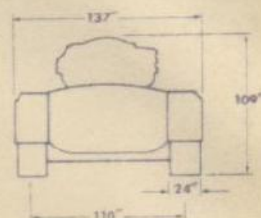
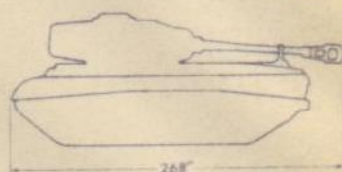
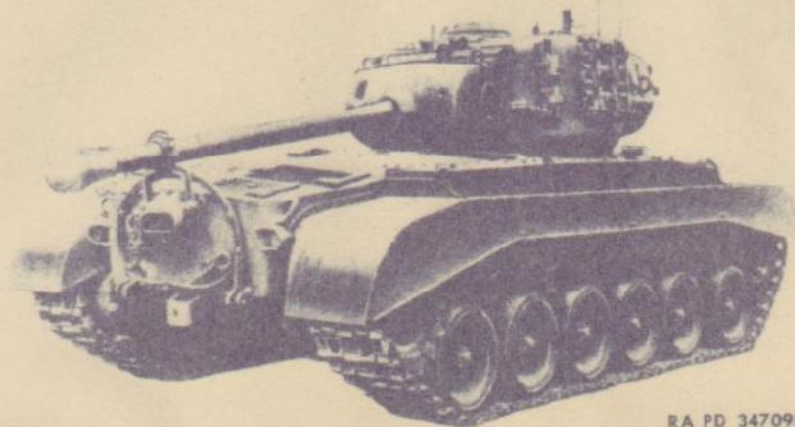
Manufacturer: Ford	Model GAA
Type: V-8	No. of cylinders 8
Displacement:	(cu in.) 1,190
Bore:	(in.) 5.4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,800
Brake horsepower:	450 at (rpm) 2,600
Torque:	950 ft-lb at (rpm) 2,100
Type of ignition:	Magneto

ADDITIONAL DATA

*Weight computed with type T48 tracks.

TANK, MEDIUM, M26

SGV TD



RA PD 347098

Technical Manuals: 9-735, 9-1731B,
9-1731G, 9-1735A, 9-1735B, 9-1735C,
9-1829A

Parts List: SNI G-226

Manufacturers: Fisher Tank Division (GMC); Detroit Tank Arsenal (Chrysler).

Classification: Standard.

Armament: 1 gun, 90-mm, M3; 1 gun, machine, cal. .50, M2, H.B.; 2 guns, machine, cal. .30, M1919A4.

Ammunition: 70 rounds, 90-mm; 5000 rounds, cal. .30; 550 rounds, cal. .50; 900 rounds, cal. .45; 12 hand grenades.

Purpose: To provide mobility and crew protection for 90-mm gun for offensive combat.

GENERAL DATA

Crew:	5
Weight (fighting):	(lb) 88,500
Ground clearance:	(in.) 17 ¹¹ / ₁₆
Shipping dimensions:	
Uncrated:	(cu ft) 2315.9; (sq ft) 254.9
Ground pressure:	(lb per sq in.) 11.99
Electrical system:	(volts) 24
No. of batteries:	(12 volt) 2
Capacities:	
Fuel (80 octane gasoline):	(gal) 183
Cooling system:	(qt) 88
Crankcase (refill):	(qt) 32
Transmission (complete system):	(qt) 54 ¹ / ₂
Differential:	(qt) 72
Final drives (each):	(qt) 7
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	3
(Gear ratio: High—2.73 over; Low—1.38-1)	
Final drive: (Gear ratio: 3.95-1)	
Hull construction:	Welded steel plate; Turret—cast homogeneous
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 48
Maximum width of ditch vehicle will cross:	(in.) 95
Maximum vertical obstacle vehicle will climb:	(in.) 46
Fuel consumption (average conditions):	(mpg) .6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 25
Cruising speed: (mph) (1st—9; 2nd—19; 3rd—25)	
Maximum allowable towed load:	(lb) 10,000

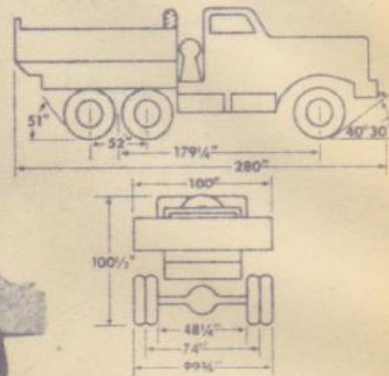
ENGINE

Manufacturer:	Ford	Model GAF
Type:	60° V.8, 4-cycle	No. of cylinders 8
Displacement:		(cu in.) 1,100
Bore:		(in.) 3.4
Stroke:		(in.) 6
Maximum governed speed:		(rpm) 2,600
Brake horsepower:		500 at (rpm) 2,600
Torque:		950 ft. lb at (rpm) 2,100
Type of ignition:		Magneto

ADDITIONAL DATA

Section XVII. Tank Transporters and Recovery Vehicles

TRUCK, 12-TON, 6 x 4, M20 Part of Truck-Trailer, 45-Ton, Tank Transporter M19



RA PD 346949

Technical Manuals: 9-768, 4-1768A,
9-1825A, 9-1827A, 9-1829A
Parts List: SNL G-159

Manufacturer: Diamond T Motor Car Company
Classification: Substitute standard.

Purpose: To recover and transport damaged tanks and materiel weighing up to 90,000 pounds in connection with Trailer, 45-ton, M9 component of 45-ton tank transporter truck-trailer, M19.

GENERAL DATA

Crew:	2
Weight (lb): Net—16,950	Payload—18,050
Gross—45,000	
Rear axle: Gear ratio:	11.00:1
Axle load (lb): Loaded:	Front—11,300; rear—33,700
Empty:	Front—10,950; rear—16,000
Tires: Ply—14	Size—12.00 x 20
Pressure (lb):	Front—80; rear—80
Shipping dimensions: Uncrated (cu ft) 1,434	(sq ft) 194.4
Vehicle dimensions:	
Loading height (empty)	(in.) 81 1/4
Ground clearance	(in.) 11 1/4
Pintle height (loaded)	(in.) 30
Electrical system:	(volts) 24
No. of batteries (6 volts each)	4
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 150
Cooling system	(qt) 61
Crankcase (refill)	(qt) 26
Transmission (qt):	Main—9; auxiliary 8 1/2
Differentials (each)	(qt) 10
Winch (load capacity)	(lb) 40,000
Brakes: Mfr.—Bendix-Westinghouse;	Type—air
Dimensions (in.):	Front—4; rear—5 1/4

Transmission: Speeds	4
(Gear ratio: High—direct; Low—5.55:1)	
Auxiliary transmission: Speeds	3
(Gear ratio: High—.754 over; 2nd—direct; Low—2.09:1)	

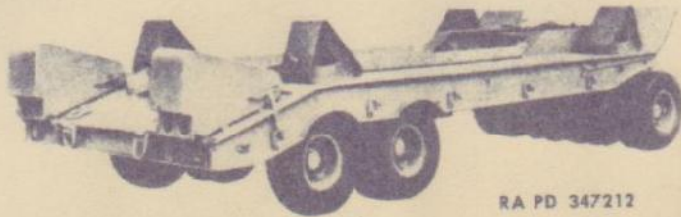
PERFORMANCE

Maximum computed gradability:	(percent) 27
Turning radius (ft):	Right—22 1/2; left—36
Fording depth:	(in.) 22
Fuel consumption (loaded):	(mpg) 2
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 25
Maximum recommended towed load:	(lb) 115,000

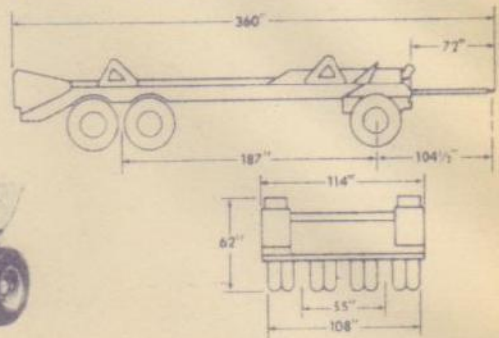
ENGINE

Manufacturer: Hercules	Model DXFE
Type: Valve-in-head, 4-cycle Diesel	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 495
Bore:	(in.) 5 1/4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 1,600
Brake horsepower:	185 at (rpm) 1,600
Torque:	665 ft-lb at (rpm) 1,200

TRAILER, 45-TON, 12W, M9, Part of Truck-Trailer, 45-Ton, Tank Transporter M19



RA PD 347212



Technical Manuals: 9-768, 9-1768C,
9-1827A
Parts List: SNL G-189

Manufacturers: Fruehauf Trailer Co.; Pointer Williamette Co.; Winter-Weiss Co.

Classification: Substitute standard.

Make of vehicle illustrated: Fruehauf Trailer Co.

Purpose: To recover and transport damaged tanks and matériel weighing up to 90,000 pounds in connection with 12-ton truck, M20, component of 45-ton tank transporter truck-trailer, M19.

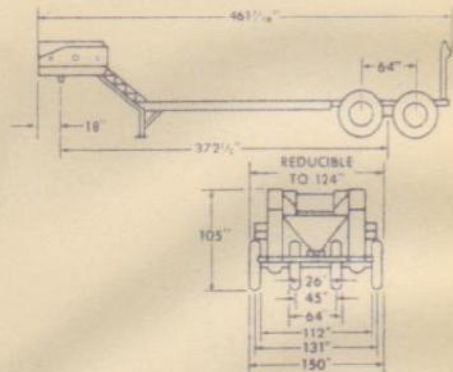
Body type: Low bed
Weight (lb): Net—20,150 Payload—90,000 Gross—110,150

Weight distribution (lb):
Empty—Lunette or 5th wheel—165 Axle—Front—6,550; rear—13,435
Loaded—Lunette or 5th wheel—165 Axle—Front—36,550; rear—73,435
Loading height: (in.) 41
Tires: Ply—14 Size—8.25 x 15; Spare—2; Operating—24
Maximum cool pressure (lb) Front—100; rear—100
Ground clearance: (in.) 12
Brakes: Service—mechanical and air Parking—mechanical
Towing vehicles to be used: Truck, 12-ton, 9 x 4, M20
Shipping dimensions, assembled vehicle: (cu ft) 1,454; (sq ft) 185

SEMITRAILER, 40-TON, TANK TRANSPORTER, M15 AND M15A1



RA PD 347214



Technical Manuals: 9-767, 9-1767E,
9-1827A
Parts List: SNL G-160

Manufacturer: Fruehauf Trailer Co.

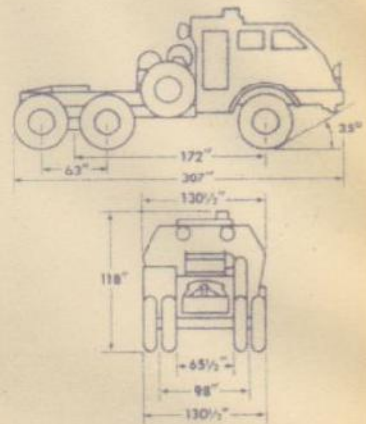
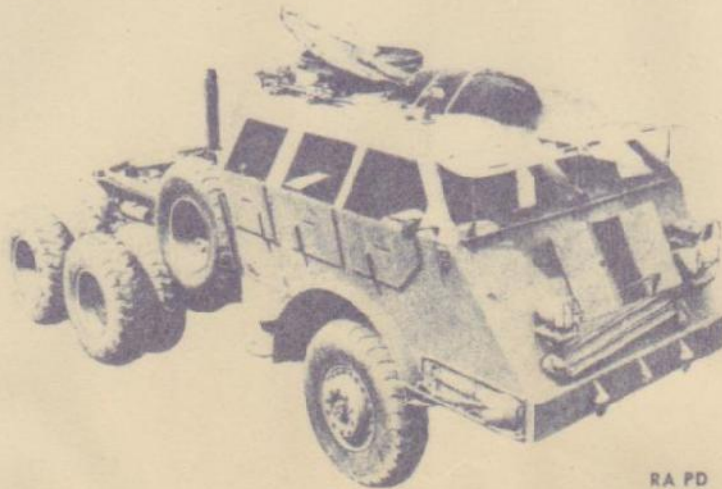
Classification: M15 Limited standard, M15A1 substitute standard.

Purpose: To recover and transport damaged tanks and matériel up to 80,000 pounds, in connection with truck-tractor M26 and M26A1.

Weight (lb): Net—36,100 Payload—80,000 Gross—116,100

Weight distribution (lb):
Loaded—5th wheel—55,000 Axle—61,100
Loading height: (in.) 40 1/2
Tires: Ply—20 Size—14.00 x 24 Operating—8
Maximum cool pressure (lb) 90
Ground clearance: (in.) 28
Brakes: Service Air
Towing vehicles to be used: Truck-tractor, M26
Shipping dimensions, assembled vehicle: (cu ft) 3,476.8; (sq ft) 397.3

TRUCK-TRACTOR, M26 AND M26A1



Technical Manuals: 9-767, 9-1767A,
9-1767B, 9-1767C, 9-1825B, 9-1826C,
9-1827A, 9-1828A, 9-1829A
Parts List: SNL G-160

RA PD
347000

Manufacturer: Pacific Car and Foundry Co.
Classification: M26 is limited standard; M26A1 is standard.
Armament: Built to accommodate truck mount M36 for antiaircraft machine gun.

Purpose: To tow 40-ton semitrailers M15 and M15A1 in recovery and transportation of damaged tanks, and materiel weighing up to 80,000 pounds.

GENERAL DATA

Crew:	7
Weight (lb): Net—48,895; Payload on 5th wheel—60,000; Gross—108,895	
Rear axle: Gear ratio:	7.69:1
Axle load (lb): Loaded	Front—22,950; rear—85,945
Empty	Front—22,950; rear—25,945
Tires: Ply—16-20-24; Size 14 x 24; Pressure (lb) Front—90; rear—90	
Tread, center to center (in.):	Front—82
Shipping dimensions: Uncrated	(cu ft) 2957; (sq ft) 278
Vehicle dimensions:	
Ground clearance	(in.) 15
Pintle height (loaded)	(in.) 39
Fifth wheel center to center of rear bogie	(in.) 4
Electrical system:	(volts) 12
No. of batteries	2
Capacities:	
Fuel (72 octane gasoline)	(gal) 120
Cooling system	(qt) 56
Crankcase (refill)	(qt) 28
Transfer case	(qt) 12
Transmission	Main—8 1/2 qt; auxiliary—(qt) 13
Differentials	Front—20 qt; rear—(qt) 15
Winch (load capacity) (lb)	Front 35,000; rear (2) ea 60,000
Brakes: Manufacturer—Bendix Westinghouse	Type—air
Dimensions (in.)	Rear 8
Transmission: Speeds	4
(Gear ratio: High—direct; Low—5.55:1)	
Transfer case: Speeds	1
(Gear ratio: 1.91:1)	

PERFORMANCE

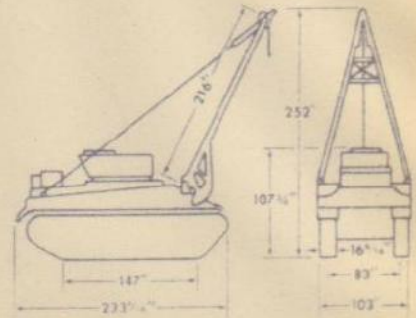
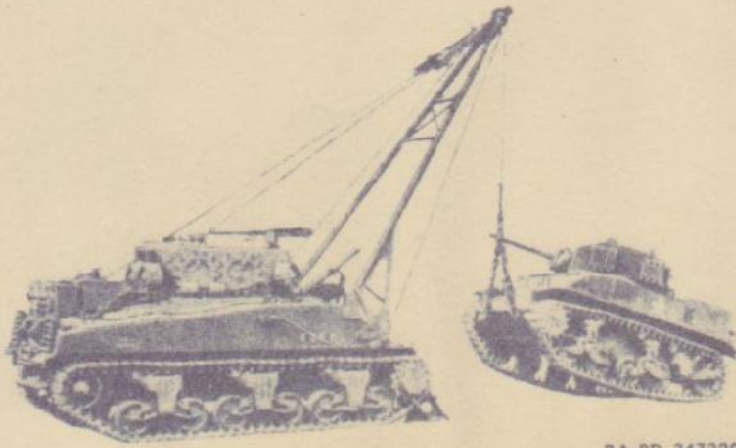
Maximum computed gradability:	(percent) 30
Turning radius (ft):	Right—40; left—40
Fording depth:	(in.) 56
Fuel consumption:	
With maximum allowable towed load	(mpg) 1
Cruising range:	
With maximum allowable towed load	(mi) 120
Allowable speed:	(mph) 28
Maximum recommended towed load:	(lb) 117,500

ENGINE

Manufacturer: Hail Scott	Model 440
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 1,090
Bore:	(in.) 5 1/4
Stroke:	(in.) 7
Maximum governed speed:	(rpm) 2,100
Brake horsepower:	240 at (rpm) 2,000
Torque:	810 ft-lb at (rpm) 1,200

ADDITIONAL DATA

VEHICLE, TANK RECOVERY, M32 AND M32A1 SERIES



Technical Manual: 9-738 (See also Medium Tanks)
Parts Lists: SNL G-185, -187

RA PD 347329

Classification: Limited standard.
Armament: 1 81-mm mortar, M1; 1 cal. .30 machine gun, M1919A4; 1 cal. .50 machine gun, M2.

Purpose: To recover disabled tanks and mechanized equipment.

GENERAL DATA

Crew:	5
Weight:	(lb) 61,700
Shipping dimensions: Uncrated	(cu ft) 1,607.5; (sq ft) 167
Track width:	(in.) 16 1/8
Ground clearance:	(in.) 14
Pintle height (loaded):	(in.) 28
Height of booms in traveling position:	(in.) 115 1/2
Length of hoist cable:	(ft) 200
Ground pressure:	(lb per sq in.) 12.6
Electrical system:	(volts) 24
No. of batteries:	(12 volts each) 2
Capacities:	
Fuel (80 octane gasoline)	(gal) 172
Cooling system	Air cooled
Transmission, differential and final drive	(qt) 164
Oil tank	(qt) 36
Winch (load capacity)	(lb) 60,000
Brakes:	Mechanical—controlled differential
Transmission: Speeds	5
(Gear ratio: High—0.73:1; Low—7.56:1)	
Final drive: Rear ratio	2.84:1
Hull construction:	Rolled homogeneous armor, Turret—cast homogeneous armor.
Communication system:	Radio and interphones

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—31; left—31
Fording depth:	(in.) 42
Maximum width of ditch vehicle will cross:	(in.) 90
Maximum vertical obstacle vehicle will climb:	(in.) 24
Fuel consumption (average conditions):	(mpg) 6
Cruising range (average conditions):	(mi) 100
Maximum allowable speed:	(mph) 26
Cruising speed: (mph) (1st—2; 2nd—5; 3rd—9; 4th—14; 5th—24)	

ENGINE

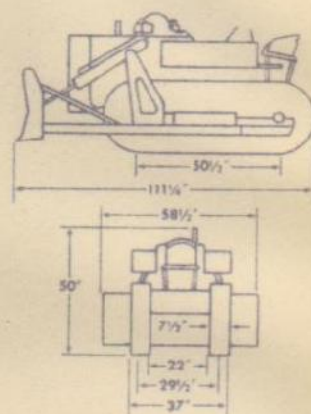
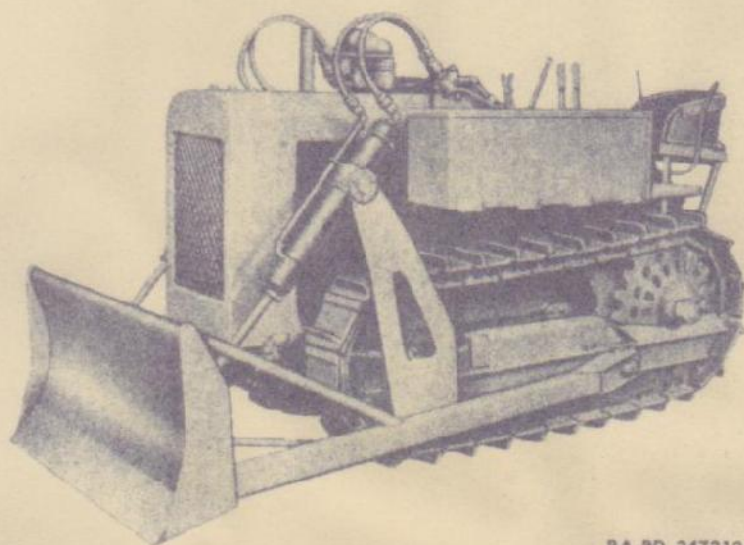
Manufacturer:	Continental	Model R975-C1
Type:	Radial, 4 cycle	No. of cylinders 9
Displacement:		(cu in.) 973
Bore:		(in.) 5
Stroke:		(in.) 3 1/2
Maximum governed speed:		(rpm) 2,400
Net horsepower:		350 at (rpm) 2,400
Torque:		840 ft lb at (rpm) 1,800
Type of ignition:		Magneto

ADDITIONAL DATA

Tank Recovery Vehicle M32 is manufactured from the Medium Tank M4 chassis. Limited standard.
 Tank Recovery Vehicle M32B1 is manufactured from the Medium Tank M4A1 chassis. Limited standard.
 Tank Recovery Vehicle M32B2 is manufactured from the Medium Tank M4A2 chassis. Limited standard.
 Tank Recovery Vehicle M32B3 is manufactured from the Medium Tank M4A3 chassis. Limited standard.
 Tank Recovery Vehicle M32A1 is manufactured from the Medium Tank M4 chassis. Standard.
 Tank Recovery Vehicle M32A1B1 is manufactured from the Medium Tank M4A1 chassis. Standard.
 Tank Recovery Vehicle M32A1B2 is manufactured from the Medium Tank M4A2 chassis. Standard.
 Tank Recovery Vehicle M32A1B3 is manufactured from the Medium Tank M4A3 chassis. Standard.
 The equipment mounted on the above tank chassis to make it a tank recovery vehicle is same as far as dimensions and weights are concerned.
 The M32A1 Series are the later model tanks and have 23 in. track. The M32 and M32B Series are the earlier tanks and have the 16 1/8 in. track.

Section XVIII. Tractors

**TRACTOR, CRAWLER TYPE, GASOLINE ENGINE DRIVEN,
20 DBHP (APPROX), STANDARD, W/BULLDOZER, HYDRAULIC
OPERATED, POWER CONTROL UNIT, HYDRAULIC OPERATING,
REAR MOUNTED WINCH, SINGLE, DRUM, REVERSIBLE**



Technical Manual: 5-3020

RA PD 347312

Manufacturer: Clark Equipment Company.
Make of vehicle illustrated: Clark Equipment Co.,
Model CA-1.

Classification: Standard.
Purpose: Used by Corps of Engineers for general towing
work, grading and earth moving.

GENERAL DATA

Crew:	1
Weight:	(lb) 4,108
Shipping dimensions: Crated	(cu ft) 321; (sq ft) 55
Pintle height:	(in.) 13 1/2
Ground pressure:	(lb per sq in.) 5.4
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 10
Cooling system	(qt) 12
Crankcase (refill)	(qt) 4
Transmission	(qt) 1
Final drives (each)	(qt) 5 1/2
Brakes:	Mechanical, external contracting
Transmission: Speeds	Reverse—1; forward 4

PERFORMANCE

Cruising speed: (mph) 1st—1.48; 2nd—2.25; 3rd—3.71; 4th—5.45
Maximum allowable towed load:

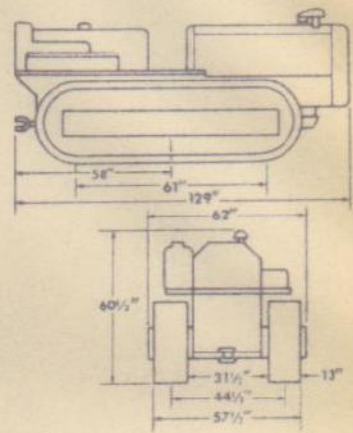
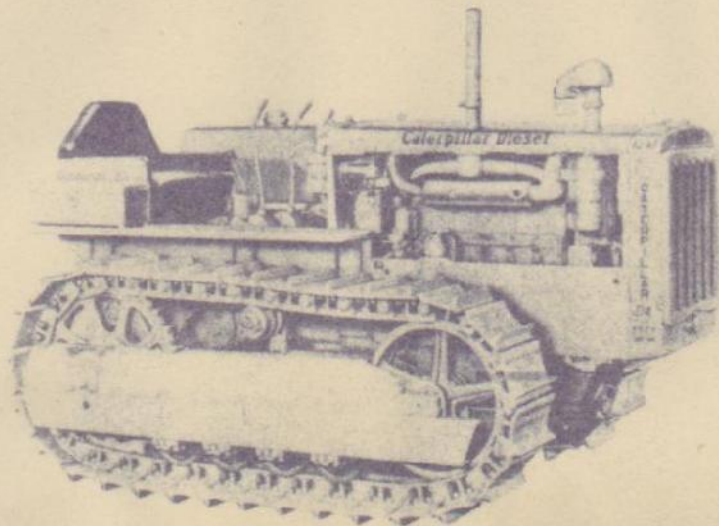
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ENGINE

Manufacturer: Waukesha	Model FC
No. of cylinders:	4
Displacement:	(cu in.) 133
Bore:	(in.) 3 1/4
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 1,900
Brake horsepower:	18 at (rpm) 1,900

ADDITIONAL DATA

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 36 TO 45 DBHP



Technical Manual: 5-3110
Parts List: ENG 7-T31

RA PD 347285

Manufacturer: Caterpillar Tractor Company.
Classification: Standard.
Make of vehicle illustrated: Caterpillar D4.

Purpose: Used by Corps of Engineers for towing, and for all kinds of construction work.

GENERAL DATA

Crew:	1
Weight:	(lb) 10,709
Shipping dimensions: Uncrated	(cu ft) 269.6; (sq ft) 52.25
Ground clearance:	(in.) 11
Pintle height (empty):	(in.) 14
Ground pressure:	(lb per sq in.) 6.75
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 25
Cooling system	(qt) 44
Crankcase (refill)	(qt) 16
Transmission	(qt) 20
Final drive cases (each)	(qt) 7
Winch (load capacity)	Bare drum (lb) 15,400
Brakes:	Contracting band
Transmission: Speeds	5 forward
(Gear ratio: High—direct; Low—3.165:1)	
Final drive: Gear ratio	5.08:1

PERFORMANCE

Maximum gradability:	(per cent) 75
Turning radius:	6' 2"
Fording depth:	(in.) 28
Maximum vertical obstacle vehicle will climb:	(in.) 18 1/4
Fuel consumption (average conditions):	
w/ maximum towed load	(gph) 4
Cruising range (average conditions): w/ towed load	(mi) 65
Cruising speed (mph):	
(1st—1.7; 2nd—2.4; 3rd—3.0; 4th—3.7; 5th—5.4)	
Maximum allowable towed load:	(lb) 7,852

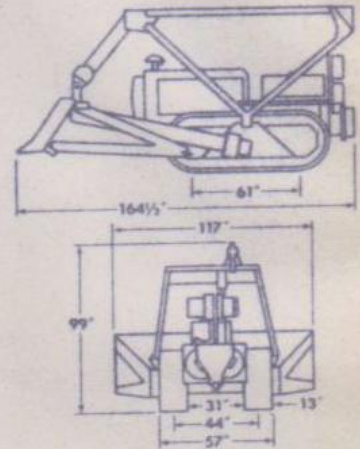
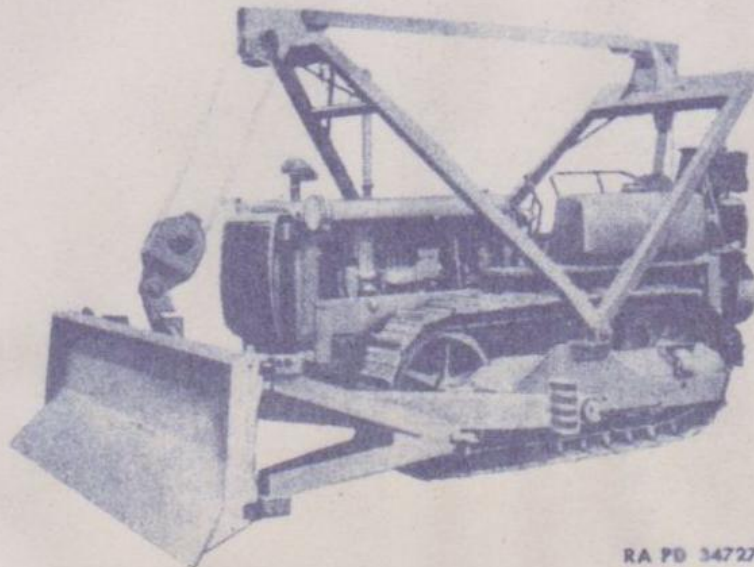
ENGINE

Manufacturer: Caterpillar	Model D4 (D-4400)
Type: Diesel, 4-cycle	No. of cylinders (in line) 4
Displacement:	(cu in.) 312
Bore:	(in.) 4 1/4
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 1,400
Net horsepower:	44 at (rpm) 1,400
Torque:	180 ft.-lb at (rpm) 1,000
Type of ignition:	Compression

ADDITIONAL DATA

Equipped with 2-cylinder, 4-cycle gasoline starting engine. Fuel capacity 3 1/2 gallon.

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 36 TO 45 DBHP, W/ANGLED OZER



Parts List: ENG 7-T31

RA PD 347278

Manufacturers: Caterpillar Tractor Co.; Le Tourneau.
Make of vehicle illustrated: Caterpillar Tractor D4 with
Le Tourneau C4 angled dozer.

Classification: Standard

Purpose: Used by Corps of Engineers for general towing,
grading and earth moving.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—15,935
Shipping dimensions: Uncrated	(cu ft) 1,096; (sq. ft) 137
Ground clearance:	(in.) 11
Pintle height (empty):	(in.) 14
Ground pressure:	(lb per sq in.) 10.03
Electrical system:	(volts) 6
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 25
Cooling system	(qt) 44
Crankcase (refill)	(qt) 16
Transmission	(qt) 20
Final drive cases (each)	(qt) 7
Brakes:	Contracting band
Transmission: Speeds	5
(Gear ratio: High—direct; Low—3.165:1)	
Final drive: Gear ratio	5.08:1

PERFORMANCE

Turning radius:	6'2"
Fording depth	(in.) 28
Maximum allowable towed load:	(lb) 7,852
Fuel consumption: (average conditions)	(mpg) 2.6
Cruising range (average conditions)	(mi) 65
Cruising speed (mph): 1st—1.7; 2nd—2.4; 3rd—3.4; 4th—3.7; 5th—5.4	

ENGINE

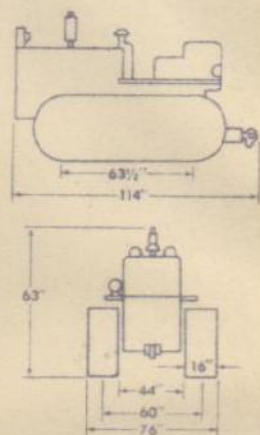
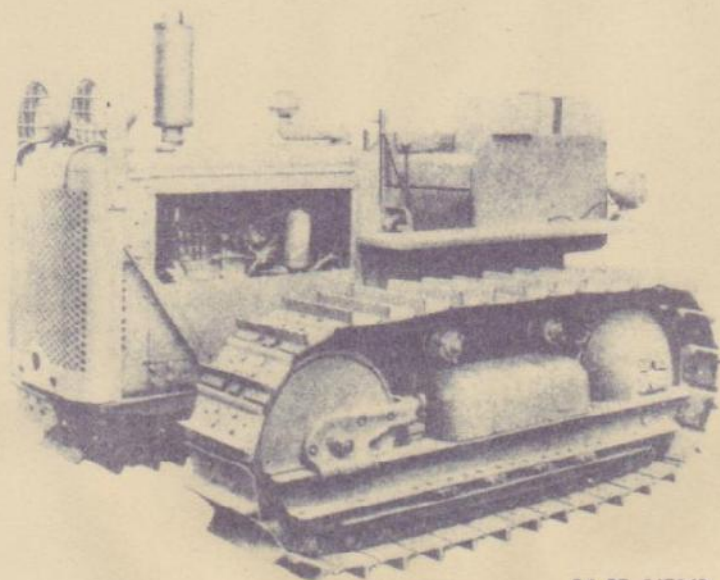
Manufacturer: Caterpillar	Model D4 (D4400)
Type: Diesel, 4-cycle	No. of cylinders—4
Displacement:	(cu in.) 312

Bore:	(in.) 4 1/4
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 1,400
Net horsepower:	44 at (rpm) 1,400
Torque:	180 ft-lb at (rpm) 1,000
Type of ignition:	Compression

ADDITIONAL DATA

Equipped with 2 cyl., 4-cycle, gasoline starting engine. Fuel capacity
3/2 gal.

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 36 TO 45 DBHP



RA PD 347342

Manufacturer: International Harvester Company.
Classification: Standard.

Make of vehicle illustrated: IHC Model TD9W.
Purpose: Used in conjunction with earth-moving attachments.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—10,600
Shipping dimensions:	
Uncrated (cu ft)	316.3
(sq ft)	61.7
Ground clearance:	(in.) 12
Ground pressure:	
w/o attachments	(lb per sq in.) 5.21
Electrical system:	(volts) 12
No. of batteries	(6 volt) 2
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 31
Cooling system	(qt) 52
Crankcase (refill)	(qt) 11
Transmission and differential	(qt) 20
Final drives (each)	(qt) 1 1/2
Gasoline tank (for starting)	(gal) 2 1/4
Brakes:	Mechanical, external contracting band 2 1/8 in. wide
Transmission: Speeds	5

PERFORMANCE

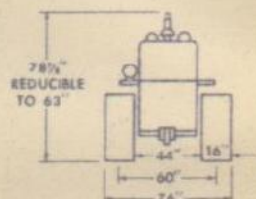
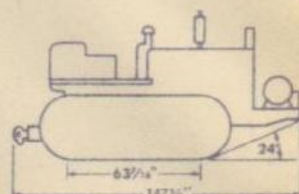
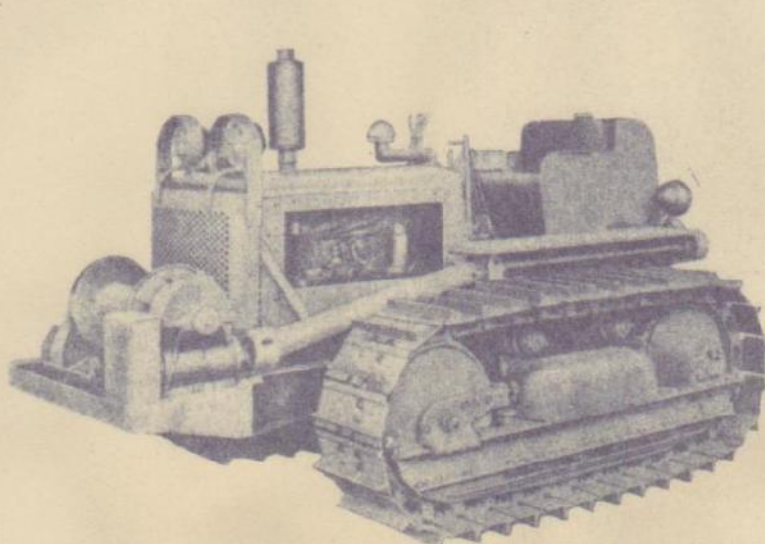
Turning radius (ft):	Right—7.25; left—7.25
Maximum allowable speed:	(mph) 5.3
Fuel consumption: With maximum towed load:	(gph) 4
Cruising speed: (mph) 1st—1.5; 2nd—2.2; 3rd—3.2; 4th—3.9; 5th—5.3	
Maximum allowable towed load:	(lb) 9,014

ENGINE

Manufacturer: International Harvester Co.	Model TD9W
Type: Diesel	No. of cylinders 4
Displacement:	(cu in.) 334.3
Bore:	(in.) 4.4
Stroke:	(in.) 5.5
Maximum governed speed:	(rpm) 1,400
Type of ignition:	Compression
Draw bar horsepower:	38

ADDITIONAL DATA

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
36 TO 45 DBHP, W/ARTILLERY TOWING ATTACHMENTS,
WINCH, 1-DRUM, FRONT MOUNTED**



RA PD 347353

Manufacturers: International Harvester Co.,
Front Winch: Gar Wood Industries, Inc., Model T4B.
Classification: Standard.

Make of vehicle illustrated: I.H.C. Model TD-9.
Purpose: To tow artillery or equipment over rough terrain.

GENERAL DATA

Crew:	1
Weight:	(lb) 12,725
Shipping dimensions:	
Uncrated	(cu-ft) 408 (w/o muffler); (sq ft) 77.9
Ground clearance:	(in.) 9 1/4
Pintle height:	(in.) 14 1/4
Ground pressure:	(lb per sq in.) 6.27
Length of track on ground:	(in.) 63 3/4
Electrical system:	(volts) 12
No. of batteries:	(6-volt) 2
Capacities:	
Fuel (45 octane Diesel fuel oil)	(gal) 31
Cooling system	(qt) 52
Crankcase (refill)	(qt) 13
Transmission and differential	(qt) 22
Final drives (each)	(qt) 1 1/2
Gasoline tank (for starting)	(qt) 2 1/2
Winch	(qt) 2 1/2
Winch (load capacity)	(lb) 17,600
Brakes:	Mechanical—band type, 2 1/4 in. wide
Transmission: Speeds	5
(Gear ratio: High—1.066:1; Low—3.632:1)	
Final drive: Gear ratio: Bevel gears—4.33:1; bull gears—4.75:1	

PERFORMANCE

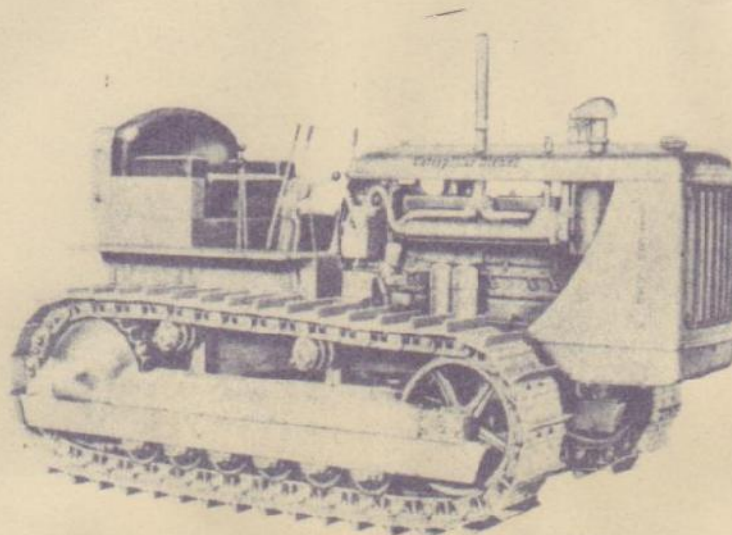
Turning radius (ft):	Right—7 1/4; left—7 1/2
Fuel consumption (average conditions):	(gph) 4
Maximum allowable speed:	(mph) 5.3
Cruising speed (mph):	
(1st—1.5; 2nd—2.2; 3rd—3.0; 4th—3.9; 5th—5.3)	
Maximum allowable towed load:	(lb) 7,000

ENGINE

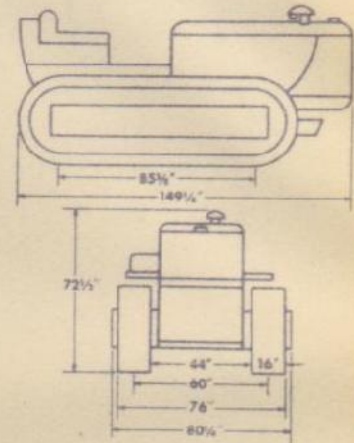
Manufacturer: International Harvester Co.	Model TD-9
Type:	Diesel, 4-cycle
No. of cylinders:	(in line) 4
Displacement:	(cu in.) 334.5
Bore:	(in.) 4.4
Stroke:	(in.) 5.5
Maximum governed speed:	(rpm) 1,400
Type of ignition:	Compression
Draw bar horsepower:	39

ADDITIONAL DATA

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 46 TO 60 DBHP



RA PD 347286



Technical Manual: 5-3100
Parts List: ENG 7-T40

Manufacturer: Caterpillar Tractor Company.
Make of vehicle illustrated: Caterpillar Tractor
Model D-6.

Classification: Standard.

Purpose: Used by Corps of Engineers for towing and
general construction work.

GENERAL DATA

Crew:	1
Weight (net):	(lb) 17,667
Shipping dimensions: Uncrated	(cu ft) 512; (sq ft) 85.2
Ground clearance:	(in.) 12 1/2
Pintle height:	(in.) 14
Ground pressure:	(lb per sq in.) 5.74
Electrical system:	(volts) 6
Capacities:	
Fuel (45 cetane commercial Diesel fuel)	(gal) 48
Cooling system	(qt) 49
Crankcase (refill)	(qt) 19
Transmission	(qt) 38
Final drives (each)	(qt) 12
Brakes:	Contracting band
Transmission: Speeds	5
(Gear ratio: High—0.75:1; Low—4.14:1)	
Final drives: Gear ratio	4.916:1

PERFORMANCE

Turning radius:	8' 4"
Fording depth:	(in.) 32
Maximum vertical obstacle vehicle will climb:	(in.) 17
Fuel consumption (average conditions):	
w/ maximum towed load	(gph) 4-5
Cruising range (average conditions) w/ towed load	(mi) 90
Cruising speed (mph):	
(1st—1.4; 2nd—2.3; 3rd—3.2; 4th—4.4; 5th—5.8)	
Maximum allowable towed load:	(lb) 14,300

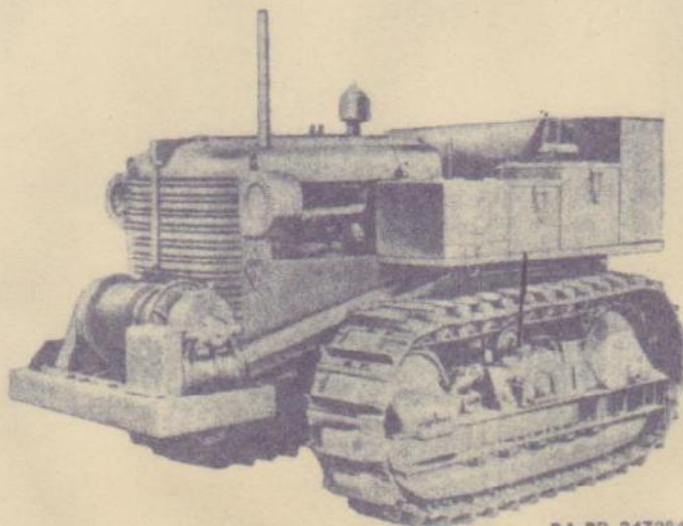
ENGINE

Manufacturer: Caterpillar	Model D-6 (D-4600)
Type: Diesel, 4-cycle	No. of cylinders 6
Displacement:	(cu in.) 468
Bore:	(in.) 4 1/2
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 1,400
Net horsepower:	55 at (rpm) 1,400
Torque:	292 ft-lb at (rpm) 950
Type of ignition:	Compression

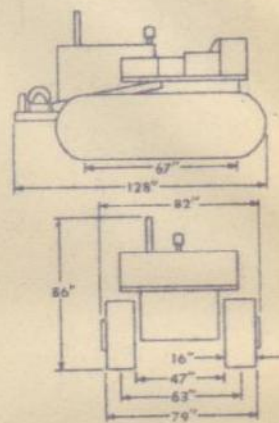
ADDITIONAL DATA

Equipped with 2-cylinder, 4-cycle gasoline starting engine, 15 hp at 3,000 rpm. Fuel capacity, 1 gallon.

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
46 TO 60 DBHP, W/ARTILLERY TOWING ATTACHMENTS,
WINCH, 1-DRUM, FRONT MOUNTED**



RA PD 347284



Technical Manuals: 9-783B, 9-1783A
9-1783B, 9-1783C

Manufacturer: Allis-Chalmers Mfg. Co.
Make of vehicle illustrated: Allis-Chalmers
Model HD-7W.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—13,785
Shipping dimensions: Uncrated	(cu ft) 414; (sq ft) 72.8
Ground clearance:	(in.) 10½
Pintle height (empty):	(in.) 10¼
Ground pressure:	(lb per sq in.) 6.06
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 31
Cooling system	(qt) 23
Crankcase (refill)	(qt) 8½
Transmission and differential	(qt) 11
Final drives (each)	(qt) 4
Brakes:	External contracting band
Transmission: Speeds	4 forward
(Gear ratio: High—direct; Low—3.164:1)	
Final drive: Gear ratio	5:1

PERFORMANCE

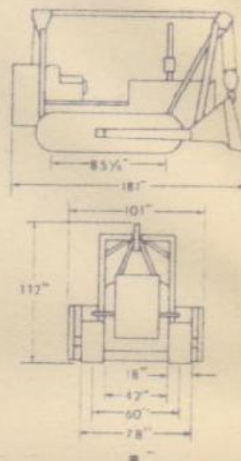
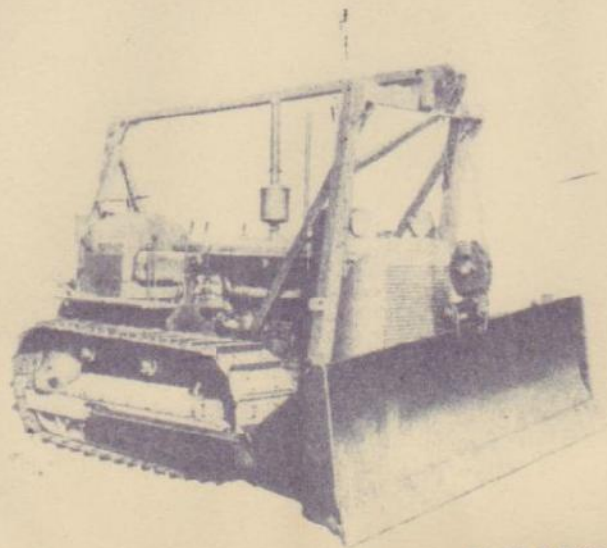
Maximum gradability:	(per cent) 60
Turning radius:	7' 8"
Fording depth:	(in.) 36
Maximum vertical obstacle vehicle will climb:	(in.) 17
Maximum width of ditch vehicle will cross:	(in.) 36
Fuel consumption (average conditions):	
W/maximum towed load:	(gph) 6
Cruising speed (mph): (1st—1.84; 2nd—2.55; 3rd—3.45; 4th—5.82)	
Cruising range (average conditions): w/towed load:	(mi) 200
Maximum allowable towed load:	(lb) 12,171

ENGINE

Manufacturer: GMC Diesel	Model RC3-71
No. of cylinders:	3
Piston displacement:	cu in. 113
Bore:	(in.) 4¼
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 1,500
Net horsepower:	60.1 at (rpm) 1,500
Torque:	263 ft-lb at 1,000 (rpm)
Type of ignition:	Compression

ADDITIONAL DATA

TRACTOR, EARTH MOVING CRAWLER, DIESEL ENGINE DRIVEN, 46 TO 60 DBHP, NO. 1



Technical Manual: 5-3100
Parts List: ENG 7-T40

RA PD 347280

Manufacturers: Tractor—Caterpillar Tractor Co. Bulldozer—La Plante-Choate; Le Tourneau.

Classification: Standard.

Make of vehicle illustrated: Caterpillar D-6 Tractor with Le Tourneau A-6 bulldozer.

Purpose: Used by Corps of Engineers for towing, grading and earth moving.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—23,576
Shipping dimensions: Uncrated	(cu ft) 1,184.8; (sq ft) 127
Ground clearance:	(in.) 12 1/2
Draw bar height:	(in.) 14
Ground pressure:	(lb per sq in.) 7.63
Electrical system:	(volts) 6
Capacities:	
Fuel (45 octane Diesel fuel oil)	(gal) 48
Cooling system	(qt) 49
Crankcase (refill)	(qt) 19
Transmission and differential	(qt) 38
Final drives (each)	(qt) 12
Brakes:	Contracting band
Transmission: Speeds	Reverse—4; forward 5
(Gear ratio, Low—4.14:1; high—1.041:1)	
Final drive: Gear ratio	4.916:1

PERFORMANCE

Maximum allowable towed load:	(lb) 14,300
Cruising speed (mph):	
1st—1.4; 2nd—2.3; 3rd—3.2; 4th—4.4; 5th—5.8	
Fuel consumption:	(gph) 4.5

ENGINE

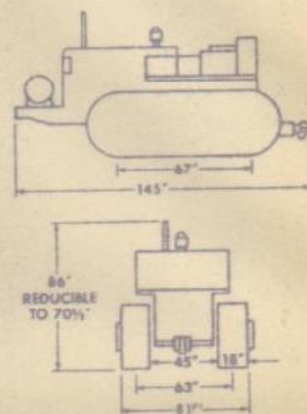
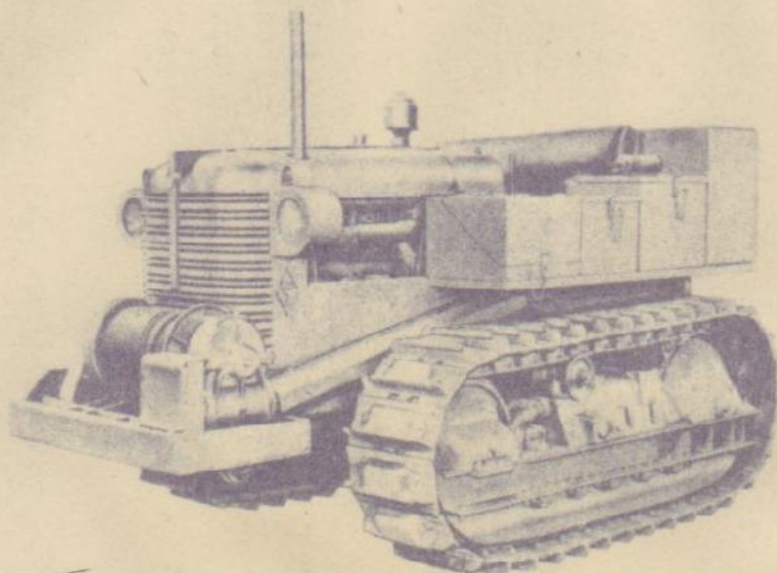
Manufacturer: Caterpillar	Model D6 (D-4600)
Type: 6-cylinder Diesel, 4-cycle	No. of cylinders—6

Displacement:	(cu in.) 466
Bore:	(in.) 4 3/4
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 1,400
Net horsepower:	55 at (rpm) 1,400
Type of ignition:	Compression

ADDITIONAL DATA

Equipped with 2-cylinder, 4-cycle, gas-starting engine, 15 horsepower at 3,000 rpm.

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
46 TO 60 DBHP, W/ARTILLERY TOWING ATTACHMENTS,
WINCH, 1-DRUM, FRONT MOUNTED**



Technical Manuals: 9-783B, 9-1783A
9-1783B, 9-1783C

RA PD 347359

Manufacturer: Allis Chalmers Mfg. Co. (Model HD7W)
Classification: Standard.

Purpose: To tow artillery or equipment over rough terrain.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—17,500
Shipping dimensions: Uncrated	(cu ft) 480; (sq ft) 81.5
Ground clearance:	(in.) 10 $\frac{3}{4}$
Fintle height (in.):	Lower—18 $\frac{3}{8}$; upper—31 $\frac{1}{2}$
Ground pressure:	(lb per sq in.) 7.25
Electrical system:	(volts) 12
No. of batteries (6-volt):	1
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 120
Cooling system	(qt) 23
Crankcase (refill)	(qt) 11
Transmission and differential	(qt) 26
Final drives (each)	(qt) 7
Winch	(qt) 2 $\frac{1}{2}$
Winch (load capacity)	(lb) 25,000
Brakes:	Mechanical—controlled differential
Transmission: Speeds (forward)	4

PERFORMANCE

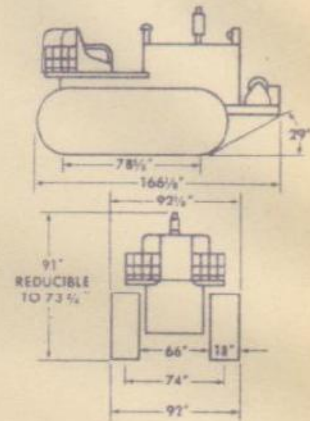
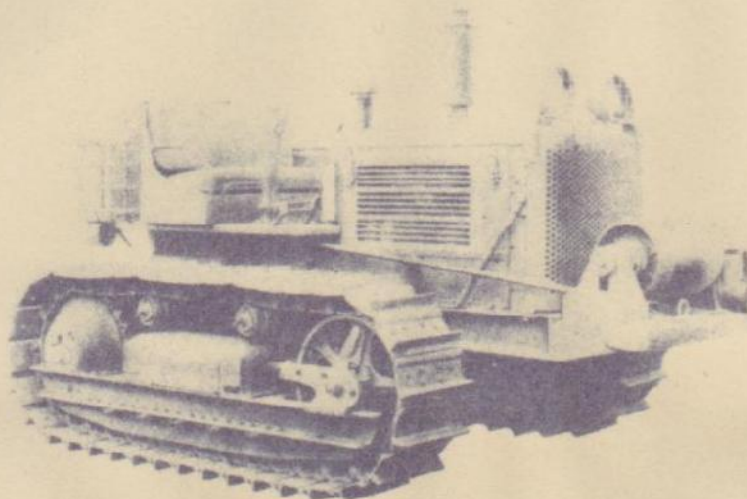
Turning radius (ft):	Right—8 $\frac{3}{4}$; left—8 $\frac{3}{4}$
Fuel consumption (average conditions):	(gal per hour) 5
Maximum allowable speed: (at 2,000 rpm)	(mph) 8.35
Cruising speed: (mph) (1st—2.64; 2nd—3.66; 3rd—4.95; 4th—8.35)	
Maximum allowable towed load:	(lb) 10,320

ENGINE

Manufacturer: GMC	Model 3-71 RC14
Type: Diesel, 2-cycle	No. of cylinders (in line) 3
Displacement:	(cu in.) 213
Bore:	(in.) 4 $\frac{1}{2}$
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,000
Type of ignition:	Compression
Draw bar horsepower:	54

ADDITIONAL DATA

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
46 TO 60 DBHP, W/ARTILLERY TOWING ATTACHMENTS,
WINCH, 1-DRUM, FRONT MOUNTED**



RA PD 347339

Manufacturers: International Harvester Co.
Front Winch: Gar Wood Industries, Inc., Model T4B.
Classification: Standard.

Make of vehicle illustrated: *International Harvester Company, Model TD-14.
Purpose: To tow artillery or equipment over rough terrain.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—21,325
Shipping dimensions:	
Uncrated (cu ft) 759 (no muffler or air pipe cap); (sq ft) 106.3	
Ground clearance (lower pintle rotated):	(in.) 9 1/4
Pintle height (in.):	Upper—27; lower—13 1/4
Ground pressure:	(lb. per sq in.) 7.53
Electrical system:	(volts) 12
No. of batteries	(6-volt) 2
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 90
Cooling system	(qt) 80
Crankcase (refill)	(qt) 16
Transmission and differential	(qt) 25
Final drive cases (each)	(qt) 2 1/2
Gasoline tank (for starting)	(qt) 6
Winch	(qt) 2 1/2
Winch (load capacity)	(lb) 20,000
Brakes:	Mechanical, external band type, 3 in. wide
Transmission: Speeds	5
(Gear ratio: High—0.703:1; Low—3.994:1)	
Final drive: Gear ratio	Bevel gears—4.25; bull gears—4.769

PERFORMANCE

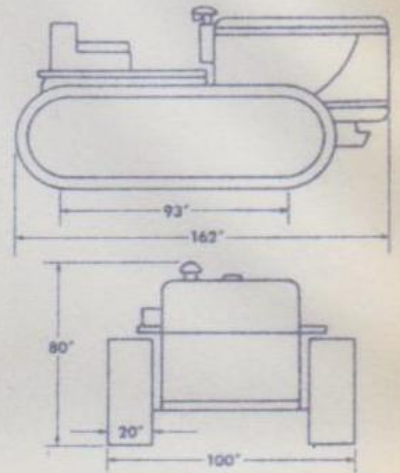
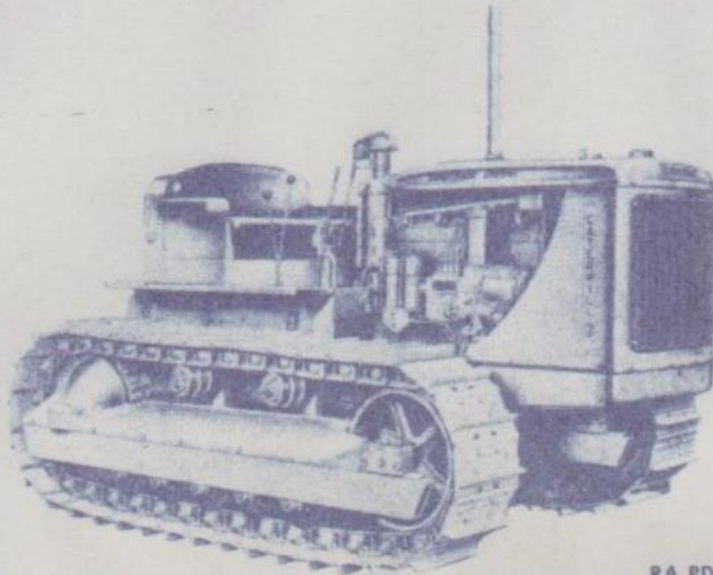
Turning radius (ft):	Right—9 1/2, left—9 1/2
Fuel consumption:	(gph) 4-5
Maximum allowable speed:	(mph) 8.5
Cruising speed (mph):	
(1st—1.5; 2nd—2.1; 3rd—3.4; 4th—3.7; 5th—4.8; 6th—8.5)	
Maximum allowable towed load:	(lb) 20,000

ENGINE

Manufacturer: International Harvester Co	Model TD-14
Type:	Diesel, 4-cycle
No. of cylinders:	(in line) 4
Displacement:	(cu in.) 260.7
Bore:	(in.) 4 1/4
Stroke:	(in.) 6 1/2
Maximum governed speed:	(rpm) 1,350
Type of ignition:	Compression
Draw bar horsepower:	54

ADDITIONAL DATA

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 61 TO 90 DBHP



Technical Manual: 5-3665
Parts List: ENG 7-T35

RA PD 347282

Manufacturer: Caterpillar Tractor Company.
Classification: Standard.
Make of vehicle illustrated: Caterpillar D-7.

Purpose: Used by Corps of Engineers for towing in conjunction with earth-moving equipment.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—25,470
Shipping dimensions: Uncrated	(cu ft) 750; (sq ft) 112.5
Ground clearance:	(in.) 15½
Draw bar height:	(in.) 17½
Ground pressure:	(lb per sq in.) 6.2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (commercial Diesel fuels)	(gal) 65
Cooling system	(qt) 72
Crankcase (refill)	(qt) 22
Transmission	(qt) 40
Final drives (each)	(qt) 24
Brakes:	Contracting band
Transmission: Speeds	Reverse—4; forward 5
(Gear ratio: High—5.92:1; Low—2.595:1)	
Final drive: Gear ratio	9.93:1

PERFORMANCE

Turning radius:	(ft) 9
Cruising speed (mph):	
(1st—1.4; 2nd—2.2; 3rd—3.2; 4th—4.6; 5th—6.0)	
Maximum allowable towed load:	(lb) 21,351
Fuel consumption:	(gph) 5

ENGINE

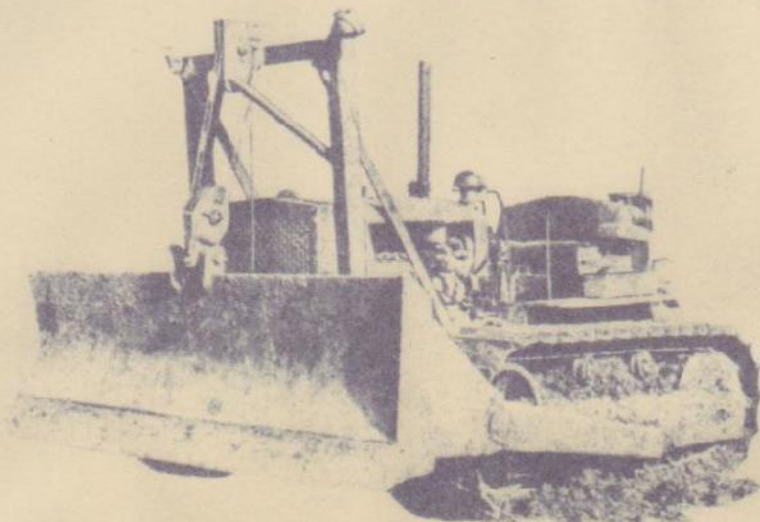
Manufacturer: Caterpillar	Model D7 (D-8800)
Type: Diesel, 4-cycle	No. of cylinders 4
Displacement:	(cu in.) 831
Bore:	(in.) 5½
Stroke:	(in.) 8
Maximum governed speed:	(rpm) 1,000

Draw bar horsepower:	80 at (rpm) 1,000
Torque:	548 ft-lb at (rpm) 750
Type of ignition:	Compression

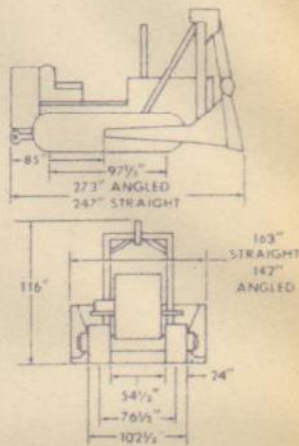
ADDITIONAL DATA

Equipped with 2 cylinder, 4-cycle gas starting engine, 24 hp at 2,700 rpm. Fuel capacity 2 gallons.

TRACTOR, EARTH MOVING CRAWLER, DIESEL ENGINE DRIVEN, 61 TO 90 DBHP, NO. 1



KA PD 347283



Technical Manual: 5-3040
Parts Lists: ENG 7-T35

Manufacturer: Caterpillar Tractor Co.
Classification: Standard.
Make of vehicle illustrated: Caterpillar Co. Model D7.

Purpose: Used by Corps of Engineers for towing, grading and earth moving.

GENERAL DATA

Weight (lb):	Gross—31,100
Shipping dimensions: Uncrated	(cu ft) 2,702.7; (sq ft) 179.5
Ground clearance:	(in.) 10 1/2
Draw bar height: (ty):	(in.) 17 1/4
Ground pressure:	(lb per sq in.) 10.40
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 69
Cooling system	(qt) 112
Crankcase (refill)	(qt) 29
Transmission and differential	(qt) 40
Final drives (each)	(qt) 26
Brakes:	Contracting band
Transmission: Speeds	6

PERFORMANCE

Turning radius:	(ft.) 8.9
Maximum allowable towed load:	(lb) 26,208
Fuel consumption:	(gph) 5

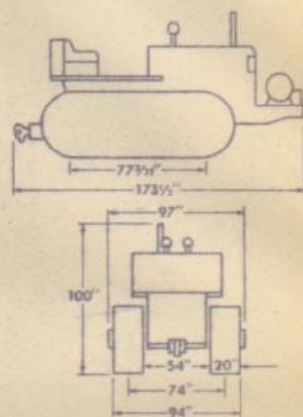
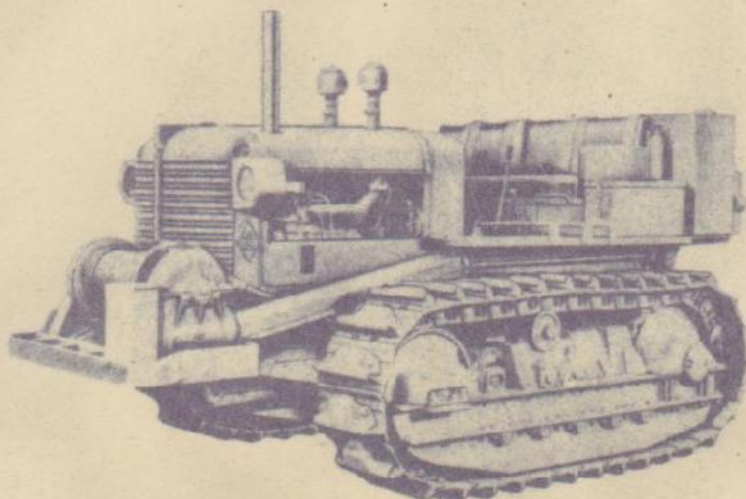
ENGINE

Manufacturer: Caterpillar	Model D7
Type: Diesel, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 1,246
Bore:	(in.) 5 1/4
Stroke:	(in.) 8
Maximum governed speed:	(rpm) 950
Net horsepower:	126 at (rpm) 950
Type of ignition:	Compression

ADDITIONAL DATA

Equipped with 2-cylinder, 4-cycle, gas-starting engine, 24 horsepower at 2,700 rpm.

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
61 TO 90 DBHP, W/ARTILLERY TOWING ATTACHMENTS, SPECIAL
HIGH SPEED GEARS, WINCH, 1-DRUM, FRONT MOUNTED**



Technical Manuals: 9-787A, 9-1787A
9-1787B, 9-1787C

RA PD 347358

Manufacturer: Allis Chalmers Mfg. Co. (Model HD10W)
Classification: Standard.

Purpose: To tow 155-mm gun.

GENERAL DATA

Crew	4
Weight (lb):	Gross—25,500
Shipping dimensions: Uncrated	(cu ft) 974; (sq ft) 116.8
Ground clearance:	(in.) 12
Pintle height (in.): Loaded	Lower—21 5/8; upper—34 1/4
Ground pressure:	(lb per sq in.) 8.27
Electrical system:	(volts) 12
No. of batteries:	(6-volt) 2
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 156
Cooling system	(qt) 39
Crankcase (refill)	(qt) 13
Transmission and differential	(qt) 24
Final drives (each)	(qt) 8
Winch	(qt) 4
Winch (load capacity)	(lb) 30,000
Brakes:	Mechanical—controlled differential
Transmission: Speeds (forward)	6
(Gear ratio: High—2.81:1; Low—16.55:1)	
Final drive: Gear ratio	6:1

PERFORMANCE

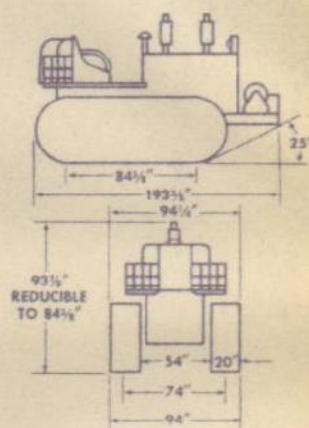
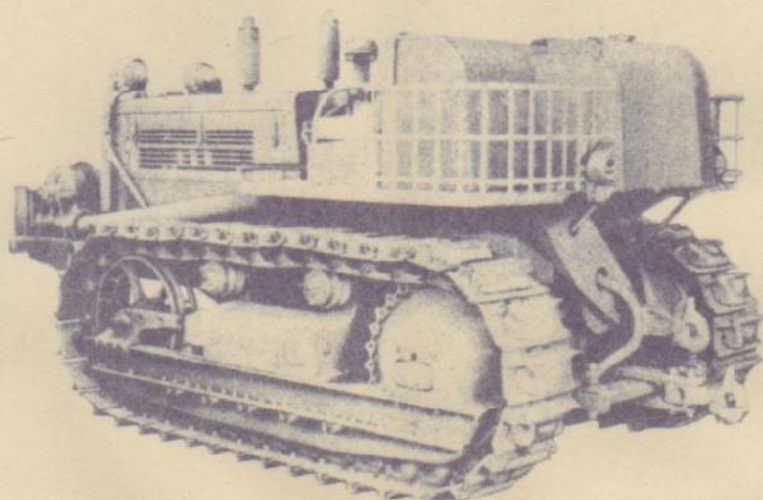
Turning radius:	(ft) 11
Fuel consumption (average conditions):	(gal. per hour) 7.8
Maximum allowable speed: (at 2,000 rpm)	(mph) 11
Cruising speed: (mph):	
(1st—1.87; 2nd—2.96; 3rd—4.21; 4th—4.88; 5th—6.72; 6th—11)	
Maximum allowable towed load:	(lb) 18,350

ENGINE

Manufacturer: GMC	Model 4-71 RC14
Type: Diesel, 2-cycle	No. of cylinders (in line) 4
Displacement:	(cu in.) 284
Bore:	(in.) 4 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,000
Net horsepower:	82 at (rpm) 2,000
Type of ignition:	Compression

ADDITIONAL DATA

**TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN,
61 TO 90 DBHP, W/ARTILLERY TOWING ATTACHMENTS, SPECIAL
HIGH SPEED GEARS, WINCH, 1-DRUM, FRONT MOUNTED**



Technical Manuals: 9-777, 9-1777A,
9-1777B, 9-1777C, 9-1777D

RA PD 347340

Manufacturers: International Harvester Co.
Front Winch: Gar Wood Industries, Inc., Model T5B.

Make of vehicle illustrated: *International Harvester
Co., Model TD-18.
Purpose: To tow 155-mm gun.

GENERAL DATA

Crew:	4
Weight (fighting):	(lb) 30,275
Shipping dimensions: Uncrated:	
(cu ft) 990.1 (889.9, no mufflers or air pipe cap)	(sq ft) 126.6
Ground clearance (lower pintle rotated):	(in.) 11 1/8
Pintle height (in.):	Upper—27; lower—15 1/2
Ground pressure:	(lb per sq in.) 9.10
Electrical system:	(volts) 12
No. of batteries:	(6-volt) 2
Capacities:	
Fuel (45 cetane Diesel fuel oil)	(gal) 60
Cooling system	(qt) 198
Crankcase (refill)	(qt) 22
Transmission and differential	(qt) 31
Final drive cases (each)	(qt) 5
Gasoline tank (for starting)	(qt) 6
Winch	(qt) 4
Winch (load capacity)	(lb) 30,000
Brakes:	Mechanical, external type, 4 in. wide
Transmission: Speeds	Reverse—2; forward 6

PERFORMANCE

Turning radius (ft):	Right—10 1/2; left—10 1/2
Fuel consumption:	(gph) 5
Maximum allowable speed:	(mph) 9.4
Cruising speed (mph):	
(1st—1.6; 2nd—2.3; 3rd—3.7; 4th—4.1; 5th—5.2; 6th—9.4)	

ENGINE

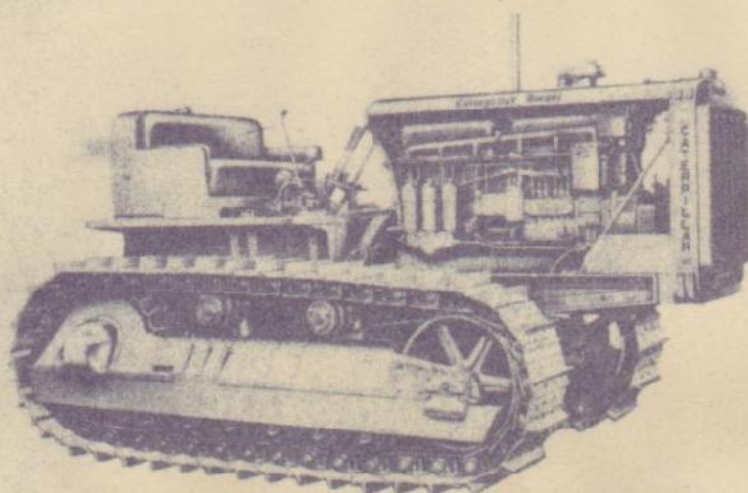
Manufacturer:	International Harvester Co.	Model TD-18
Type:	Diesel, 4-cycle, precombustion chamber	
No. of cylinders:	(in line) 6	
Displacement:	(cu in.) 591.1	
Bore:	(in.) 4 3/4	
Stroke:	(in.) 6 1/2	
Governed speed:	(rpm) 1,200	
Type of ignition:	Compression	

ADDITIONAL DATA

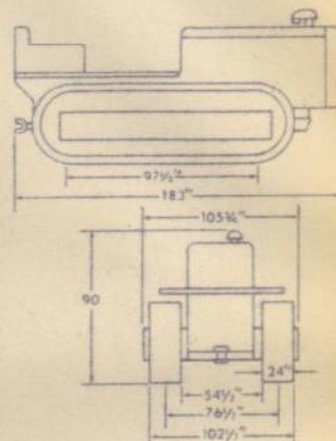
*Information given is on the last lot of 925 tractors, serial numbers TDR-4053-T4 through TDR-4977-T4.

**With solid drain plugs in engine and steering clutch compartments.

TRACTOR, CRAWLER TYPE, DIESEL ENGINE DRIVEN, 91 TO 140 DBHP



RA PD 347281



Technical Manual: 5-3040
Parts List: ENG 7-T36

Manufacturer: Caterpillar Tractor Company.
Classification: Standard.
Make of vehicle illustrated: Caterpillar Co. Model D8.

Purpose: Used by Corps of Engineers for towing and general construction work.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—36,553
Shipping dimensions: Crated	(cu ft) 1,177; (sq ft) 142.5
Ground clearance:	(in.) 10 1/2
Draw bar height:	(in.) 17 1/2
Ground pressure:	(lb per sq in.) 8.74
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (45 octane Diesel fuel oil)	(gal) 69
Cooling system	(qt) 112
Crankcase (refill)	(qt) 34
Transmission	(qt) 40
Final drives (each)	(qt) 26
Brakes:	Contracting bands
Transmission: Speeds	Reverse—2; forward 6

PERFORMANCE

Turning radius (ft):	Right—9.5; left—9.5
Maximum allowable speed:	(mph) 4.9
Maximum allowable towed load:	(lb) 26,208
Cruising speed (mph) and maximum allowable towed load:	
1st—1.6; 2nd—2.2; 3rd—2.6; 4th—3.0; 5th—3.6; 6th—4.9	
1st—26,208; 2nd—19,537; 3rd—15,973; 4th—13,707; 5th—11,266;	
6th—7,995	
Fuel consumption:	(gph) 6

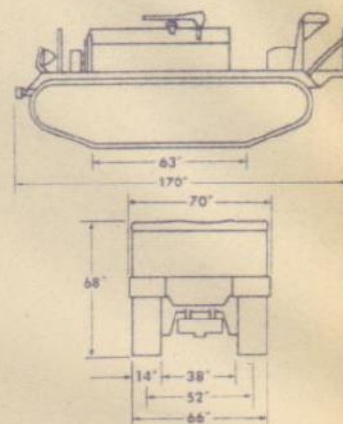
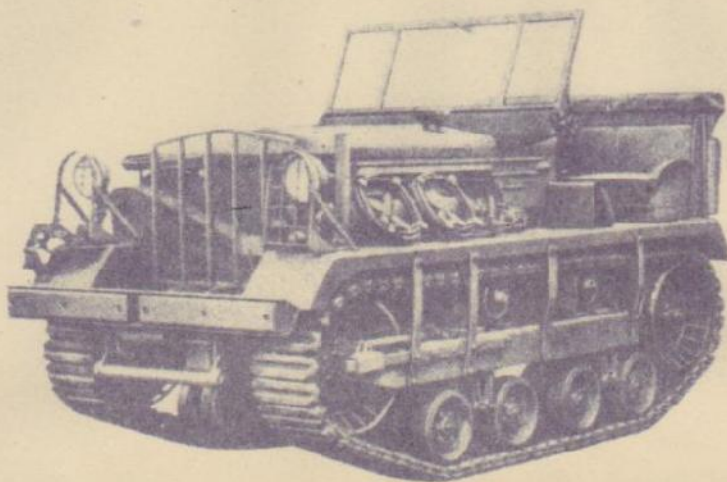
ENGINE

Manufacturer: Caterpillar	(D 13,000) Model D8
Type: Diesel, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 1,246
Bore:	(in.) 5 1/4
Stroke:	(in.) 8
Net horsepower:	120 at 950 (rpm)
Torque:	825 ft-lb at 750-800 (rpm)
Maximum governed speed:	(rpm) 950
Type of ignition:	Compression

ADDITIONAL DATA

Equipped with 7-cylinder, 4-cycle, gas-starting engine, 24 horsepower at 2,700 rpm.

TRACTOR, HIGH SPEED, 7-TON, M2



RA PD 347314

Manufacturer: The Oliver Farm Equipment Co.
(Formerly Cleveland Tractor Co.)

Classification: Standard.

Purpose: Used by Army Air Forces for towing heavy air-planes and equipment.

GENERAL DATA

Crew:	4
Weight (lb):	14,915
Shipping dimensions: Uncrated	(cu ft) 466, (sq ft) 83
Ground clearance:	(in.) 19
Pintle height: Empty	(in.) 24
Ground pressure:	(lb per sq in.) 7.9
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 33
Cooling system	(qt) 37
Crankcase (refill)	(qt) 11
Transmission, differential and final drives	(qt) 60
Winch	(qt) 3
Winch (load capacity)	(lb) 10,000
Brakes:	Mechanical, band type
Transmission: Speeds	4
(Gear ratio: High—488:1; Low—2.375:1)	
Final drive	1
(Gear ratio—6.6:1)	

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius	(ft) 10½
Fording depth:	(in.) 32
Maximum vertical obstacle vehicle will climb:	(in.) 20
Fuel consumption: (average conditions)	
With maximum towed load	(mpg) 3
Without towed load	(mpg) 4½
Cruising range (average conditions) (with towed load)	(mi) 100
Cruising speed (at engine speed of 2,500 rpm):	
(1st—4.5; 2nd—9.2; 3rd—13.4; 4th—22)	
Maximum allowable towed load:	(lb) 10,000

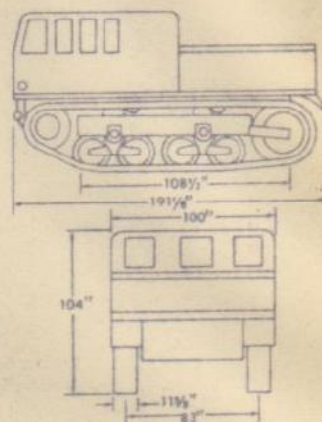
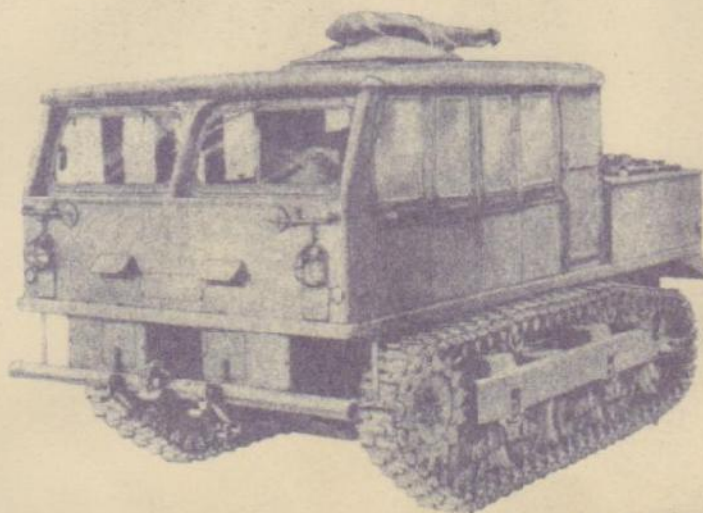
ENGINE

Manufacturer: Hercules	Model—WXLC 3
Type: Valve-in-head; 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 404
Bore:	(in.) 4½
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 2500-3240
Net horsepower	137 at (rpm) 3,180
Torque:	325 ft-lb at (rpm) 1,300
Type of ignition	Battery

ADDITIONAL DATA

Has auxiliary generator, 3 KW at 110 volts DC, driven from front power take-off by 3 "V" belts. Has air compressor driven by tractor engine, 16.7 cubic feet per minute, 3 stage, 2,000 pounds per square inch. Air pressure at 100 pounds per square inch can be withdrawn from air system.

TRACTOR, 13-TON, HIGH SPEED, M5 AND M5A1



Technical Manuals: 9-786, 9-1786A, 9-1786B, 9-1825A, 9-1826C, 9-1828A, 9-1829A

Parts List: SNL G-162

RA PD 347262

Manufacturer: International Harvester Company.
 Classification: M5, limited standard; M5A1, substitute standard.
 Armament: 1 gun, machine, cal. .50, HB, M2.

Ammunition: 24 rounds, 155 mm, or 56 rounds, 105 mm, or 38 rounds, 4.5" in M5, 40 rounds in M5A1.
 Purpose: To tow heavy artillery over rough terrain and transport gun crews and ammunition.

GENERAL DATA

Crew	9
Weight (fighting)	(lb) 28,275
Shipping dimensions (uncrated)	(cu ft) 1,150; (sq ft) 132.7
Ground clearance	(in.) 19 1/4
Pintle height (empty)	(in.) 28 3/4
Ground pressure	(lb per sq in.) 11.1
Electrical system	(volts) 12
No. of batteries	1
Capacities:	
Fuel (70-71 octane gasoline)	(gal) 100
Cooling system	(qt) 80
Crankcase (refill)	(qt) 22
Transmission and differential	(qt) 48
Clutch selector unit	(qt) 1 1/2
Clutch gear reduction unit	(qt) 1 1/4
Final drives (each)	(qt) 3
Winch	(pt) 1 1/4
Winch (load capacity)	(lb) 15,000
Brakes: Mechanical	Controlled differential
Transmission: Speeds	4
(Gear ratio: High—6.117:1, Low—56.828:1)	
Clutch gear reduction unit: Speeds	2
(Gear ratio: High—direct: Low—1.71:1)	
Final drive: Gear ratio	2 353:1

PERFORMANCE

Maximum gradability: w/towed load	(per cent) 50
w/o towed load	(per cent) 72
Turning radius	(ft) 30
Fording depth	(in.) 53
Maximum width of ditch vehicle will cross	(in.) 66
Maximum vertical obstacle vehicle will climb	(in.) 18

Fuel consumption:	
With maximum towed load	(mpg) 1 1/2
Without towed load	(mpg) 2
Cruising range (average conditions) w/towed load	(mi) 150
Maximum allowable speed	(mph) 30
Cruising speed (mph):	1st—5.5; 2nd—9; 3rd—17.5; 4th—30
Maximum allowable towed load:	(lb) 20,300

ENGINE

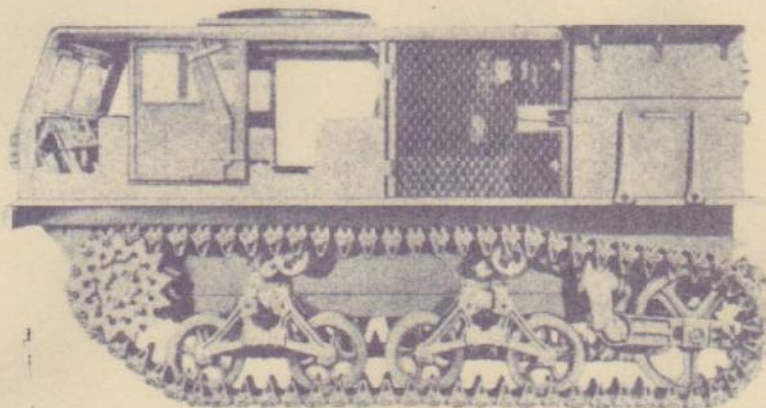
Manufacturer: Continental	Model R-6572
Type: Valve-in-head; 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 572
Bore:	(in.) 4 3/4
Stroke:	(in.) 5 5/8
Maximum governed speed:	(rpm) 2,900
Net horsepower:	207 at (rpm) 2,900
Torque:	455 ft-lb at (rpm) 1,600
Type of ignition:	Distributor

ADDITIONAL DATA

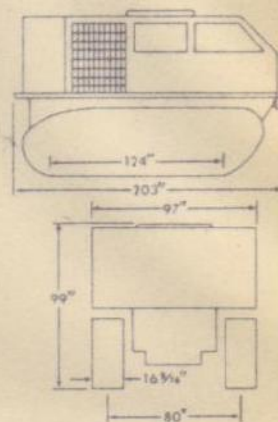
Data given is for M5. The only changes in data for M5A1 are as follows:

Crew	11
Weight	(lb) 30,405
Shipping dimensions	(cu ft) 1175.8; (sq ft) 135.6
Length	(in.) 195 1/4
Pintle height	Rear—28 3/4; front—24 1/4

TRACTOR, HIGH SPEED, 18-TON, M4 AND M4C



RA PD 347264



Technical Manuals: 9-785, 9-1785A,
9-1785B, 9-1825A, 9-1826C, 9-1827A,
9-1828A, 9-1829A

Parts List: SNL G-150

Manufacturer: Allis-Chalmers Manufacturing Company.
Classification: Limited standard.
Armament: 1 gun, cal. .50, M2.

Ammunition: 54 rounds, 3-in. or 54 90-mm; or 30 155-mm; or 20 8-in.; or 12 240-mm; 600 rounds cal. .50.

Purpose: To tow heavy artillery over rough terrain and transport gun crews and ammunition.

GENERAL DATA

Crew:	1
No. of passengers:	10
Weight:	(lb) 31,400
Shipping dimensions: Uncrated:	(cu ft) 1,128; (sq ft) 137.5
Ground clearance:	(in.) 20
Pintle height (loaded):	(in.) 29
Ground pressure:	(lb per sq in.) 7.6
Electrical system:	(volts) 12
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 125
Cooling system:	(qt) 72
Crankcase (qt):	dryfill 24; (refill) 18
Transmission and differential:	(qt) 28
Final drives (each):	(qt) 10
Torque converter and reserve tank:	(qt) 34
Winch:	(qt) 3
Winch (load capacity):	(lb) 30,000
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	Forward—3
(Gear ratio: High—1.162:1; Low—4.15:1) (Includes bevel gear)	
Final drive: Gear ratio:	2.764:1

PERFORMANCE

Maximum gradability:	(per cent) 30
Turning radius (ft):	Right—18 1/2; left—18 1/2
Fording depth:	(in.) 41
Maximum width of ditch vehicle will cross:	(in.) 60
Maximum vertical obstacle vehicle will climb:	(in.) 29
Fuel consumption: With maximum towed load:	(mpg) 8
Cruising range (average conditions): w/towed load:	(mi) 100
Maximum allowable speed:	(mph) 35

Maximum allowable towed load (at stall):	(lb) 38,700
Cruising speed:	(mph) 21

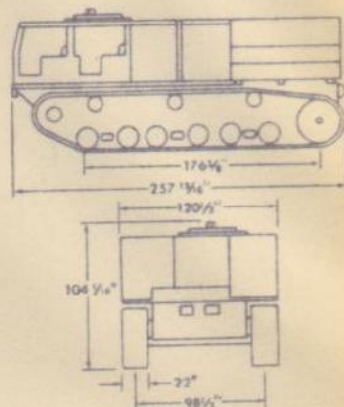
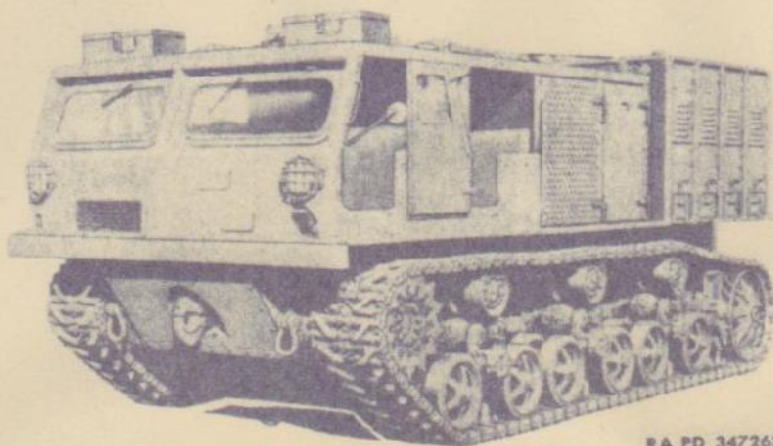
ENGINE

Manufacturer: Waukesha	Model 145GZ
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 817
Bore:	(in.) 5 3/4
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,100
Net horsepower:	190 at (rpm) 2,100
Torque:	600 ft-lb at (rpm) 1,200
Type of ignition:	Distributor

ADDITIONAL DATA

*M4C is modified M4 to carry 48 rounds of 155-mm ammunition and 8 passengers.

TRACTOR, HIGH SPEED, 38-TON, M6



RA PD 347263

Technical Manuals: 9-788, 9-1785A,
9-1788, 9-1825A, 9-1826C, 9-1827A,
9-1828A, 9-1829A
Parts List: SNL G-184

Manufacturer: Allis-Chalmers Manufacturing Company.
Classification: Standard.

Purpose: To tow heavy artillery, and transport gun crews
and ammunition.

GENERAL DATA

Crew:	1
No. of passengers:	10
Weight (fighting):	(lb) 76,000
Shipping dimensions: Uncrated:	(cu ft) 1,819; (sq ft) 214
Ground clearance:	(in.) 21 1/2
Pintle height (in.) (loaded):	Front and rear—30
Ground pressure (loaded):	(lb per sq in.) 9.99
Electrical system:	(volts) 12
No. of batteries (12-volt):	2
Capacities:	
Fuel (70 octane gasoline):	(gal) 300
Cooling system (each):	(qt) 72
Crankcase (qt):	dryfill (each) 24; refill (each)—20
Transmission and differential:	(qt) 88
Final drives (each):	(qt) 25
Torque converter and reserve tank (each):	(qt) 38
Winch:	(qt) 4
Winch (load capacity):	(lb) 55,000
Brakes:	Mechanical—controlled differential
Transmission: Speeds:	Forward—2; reverse—1*
(Gear ratio: High—1.862:1; Low—5.682:1) (Includes bevel gear)	
Final drive: Gear ratio:	3.06:1

PERFORMANCE

Maximum gradability:	(per cent) 60
Turning radius (ft):	Right—26 1/2; left—26 1/2
Fording depth:	(in.) 54
Maximum width of ditch vehicle will cross:	(in.) 102
Maximum vertical obstacle vehicle will climb:	(in.) 30
Fuel consumption (average conditions):	
With maximum towed load:	(mpg) .4
Cruising range (average condition) w/towed load:	(mi) 100-125

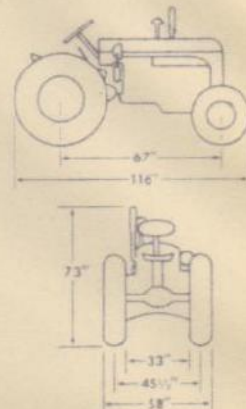
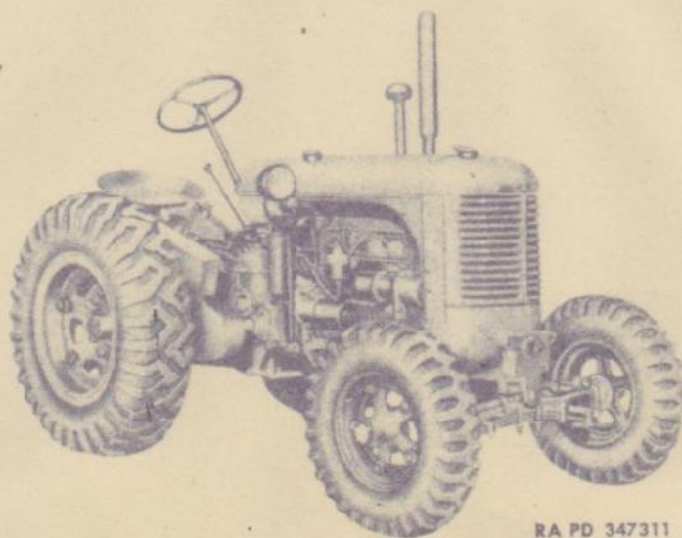
Maximum allowable speed:	(mph) 21
Maximum allowable towed load:	(lb) 50,000
Cruising speed:	(mph) 15

ENGINE

Manufacturer:	Waukesha	Model 145 GZ (2 used)
Type:	Valve-in-head, 4-cycle	
No. of cylinders (each):	6	
Displacement (each):	(cu in.) 817	
Bore:	(in.) 5 1/2	
Stroke:	(in.) 6	
Maximum governed speed:	(rpm) 2,100	
Brake horsepower:	190 at (rpm) 2,100	
Torque:	600 ft-lb at (rpm) 1,200	
Type of ignition:	Distributor	

ADDITIONAL DATA

TRACTOR, WHEEL TYPE, RUBBER TIRES, GASOLINE ENGINE DRIVEN, 10 TO 35 DBHP



RA PD 347311

Manufacturer: J. I. Case Company.
Classification: Standard.
Make of vehicle illustrated: J. I. Case, Model S1

Purpose: Used by Corps of Engineers for general towing work.

GENERAL DATA

Crew:	1
Weight (lb):	Gross—3,282
Axle load (lb):	Front—1,282; rear—2,000
Tires, Front: Ply—6	Size—7.50 x 16
Rear: Ply—6	Size—12.00 x 24
Pressure (lb)	Front—38; rear—12
Tread:	
Center to center (in.)	Front 47 1/4
Outside to outside (in.)	Front 54
Inside to inside (in.)	Front 40 1/2
Shipping dimensions: Uncrated	(cu ft) 261; (sq ft) 46.7
Vehicle dimensions (in.)	Ground clearance 8
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 14
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transmission (main)	(qt) 36
Brakes:	Type—Disk self energizing
Transmission: Speeds	4
	(Gear ratio: High—1.95:1; Low—7.76:1)

PERFORMANCE

Turning radius (ft):	Right—11.67; left—11.67
Allowable speed:	(mph) 7.76
Maximum recommended towed load:	(lb) 2,090

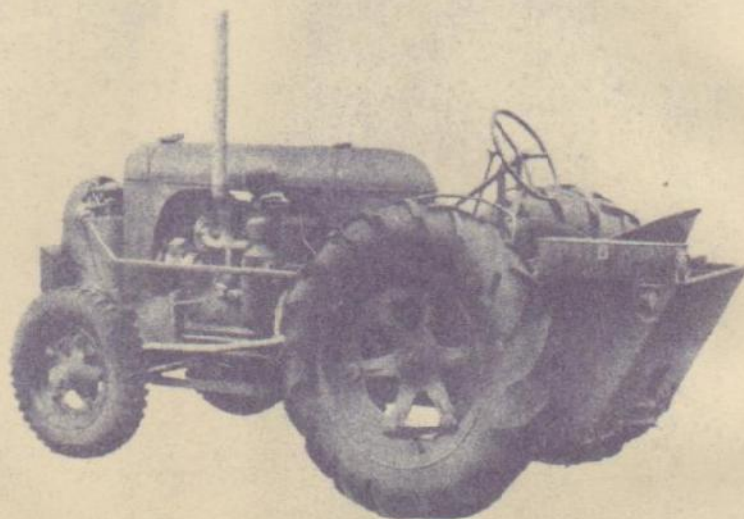
ENGINE

Manufacturer: Case	Model 51
Type:	No. of cylinders 4

Bore:	(in.) 3 1/2
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 1,550
Brake horsepower:	28.5 at (rpm) 1,550

ADDITIONAL DATA

**TRACTOR, WHEEL TYPE, RUBBER TIRES, GASOLINE
ENGINE DRIVEN, 23 DBHP (APPROX), STANDARD, W/POWER
CONTROL UNIT, HYDRAULIC OPERATING, REAR MOUNTED**



Manufacturer: J. I. Case Co.

Purpose: Used by Airborne Engineers.

Make of vehicle illustrated: Case S1 (Airborne) w/
sandbox and hydraulic pump.

Classification: Standard.

GENERAL DATA

Crew	1
Weight w/o Attachments (approx)	(lb) 3,650
Tires:	
Front	Ply-6; Size-7.50 x 16
Rear	Ply-6; Size-12.00 x 24
Vehicle dimensions (w/o sandbox):	
Ground clearance	(in.) 12
Length (approx)	(in.) 120
Width (approx)	(in.) 60
Height (w/o exhaust)	(in.) 58
Wheelbase	(in.) 66
Electrical system	
No. of batteries	6
Capacities:	
Fuel (gasoline)	(gal) 14
Cooling system	(qt) 16
Crankcase	(qt) 5
Transmission	(qt) 36
Transmission: Speeds	Reverse 1; forward 4

PERFORMANCE

Speeds: (mph)	1st-2.03; 2nd-2.69; 3rd-3.97; 4th-8.10
Turning radius	(ft) 8 1/2

ENGINE

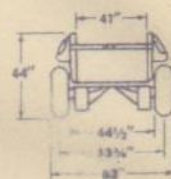
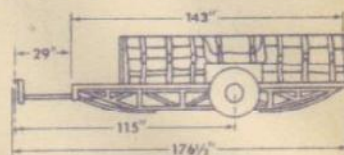
Manufacturer: Case	Model S1
Type: Valve-in-head	No. of cylinders 4
Displacement	(cu in.) 153.9
Bore	(in.) 3 1/4
Stroke	(in.) 4
Maximum governed speed	(rpm) 1,550
Brake horsepower	28.5 at (rpm) 1,550

ADDITIONAL DATA

Used in conjunction with 1/2 cu yd loader, winch, and towed equipment.

Section XIX. Trailers

TRAILER, 2W, AIRBORNE EQUIPMENT, TYPE H-1



RA PD 347299

Technical Order: 90-30-164

Manufacturer: Covered Wagon Company.

Classification: Standard.

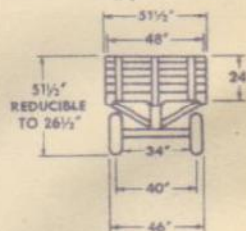
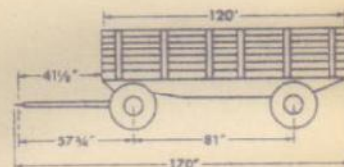
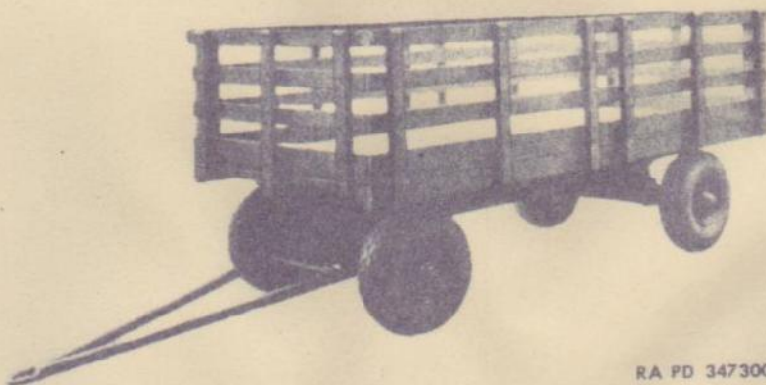
Purpose: Used by Army Air Forces as a mobile working platform for equipment such as supply, maintenance and repair kits.

Body type:		Flat bed
Weight (lb): Net—600	Payload—3,500	Gross—4,100
Weight distribution (lb): Empty	Lunette—30; axle—570	
	Loaded Lunette—300; axle—3,800	

Loading height:	(in.)	21
Tires:	Size—Aircraft type 27 in. S.C.	Operating—2
	Maximum cool pressure	(lb) 35
Ground clearance:	(in.)	6
Brakes:	Service—electric	
Towing vehicles to be used:	Truck, 1/4-ton, 4 x 4 capacity or greater	
Shipping dimensions, assembled vehicle:	(cu ft) 283; (sq ft)	77.2

The trailer is equipped with folding sides which are folded up when in transit and fold down to form a working platform when shop is in use.

TRAILER, 4W, AIRDROME UTILITY, TYPE F-2



RA PD 347300

Technical Order: 19-25-80

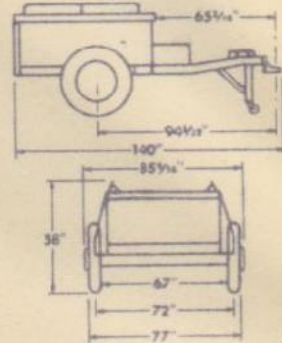
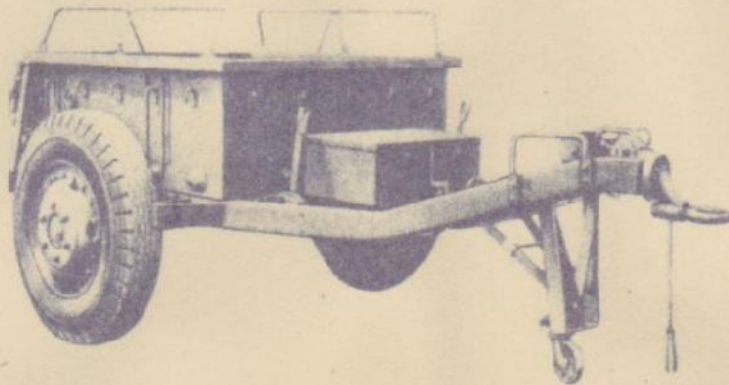
Manufacturer: The Gerstenslager Company.

Purpose: Used by Army Air Forces for general utility purposes.

Body type:		Cargo
Weight distribution (lb):		
Empty	Front axle— 640; rear axle— 560	
Loaded	Front axle—3,140; rear axle—3,060	

Weight (lb): Net—1,200	Payload—5,000	Gross—6,200
Loading height:	(in.)	26 1/4
Tires:	Ply—8	Size—6.00 x 9
	Operating—4	Maximum cool pressure (lb)
	Front—55; rear—55	
Ground clearance:	(in.)	7 1/2
Height of rear pintle:	(in.)	23 1/2
Towing vehicles to be used:	Any truck equipped with pintle hook	
Shipping dimensions, assembled vehicle:	(cu ft) 80; (sq ft)	46

TRAILER, AMMUNITION, M10



Technical Manual: TM 9-333
Part List: SNL C-59

RA PD 347368

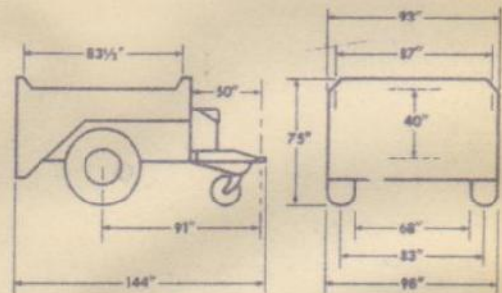
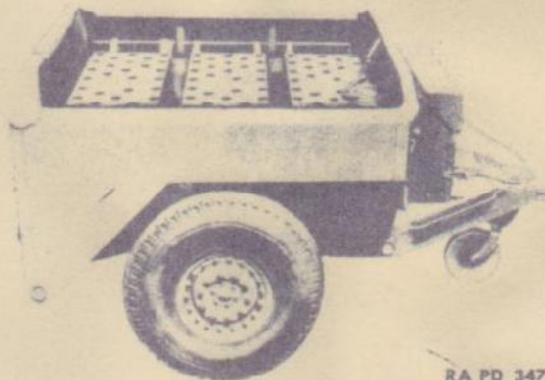
Manufacturers: Fruehauf Trailer Co.; Youngstown Steel Door Co.; Schlem Bros.
Make of vehicle illustrated: Fruehauf Trailer Co.
Classification: Standard.
Purpose: To transport ammunition.

Loading height: (in.) 58
Tires: Ply—12; Size—9.00 x 20; Operating—4
Maximum cool pressure (lb) 40
Ground clearance: (in.) 23
Brakes: Parking—hand mechanical
Shipping dimensions: assembled vehicle (cu ft) 385.3; (sq ft) 79.7
Fittle height: (rear) (in.) 25

Body type Cargo
Weight (lb): Net—2,090 Gross— *

*Payload and gross weight vary with caliber of ammunition carried.

TRAILER, 4-TON, 2-W, AMMUNITION, M21



Technical Manuals: 9-792, 9-1827A
Parts List: SNL G-213

RA PD 347233

Manufacturer: The Trailer Company of America.

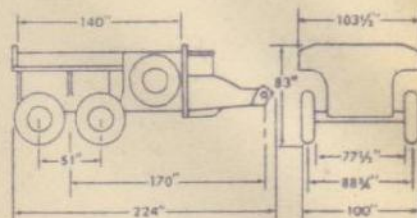
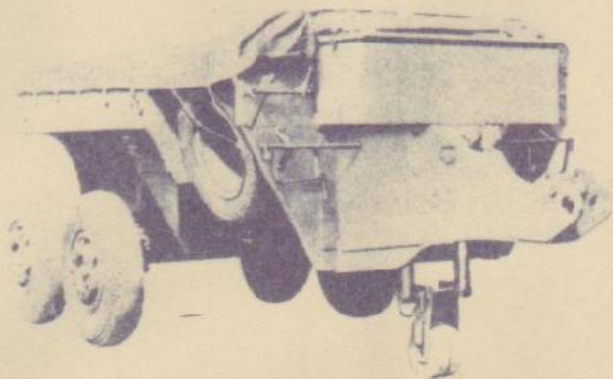
Purpose: To carry 102 rounds of 4 1/2 in. gun shells, 72 rounds of 155-mm Howitzer shells, together with complementary loads of propelling powder charges, fuzes, and primers.

Classification: Standard.

Body type: Frameless
Weight (lb): Net—5,300 Payload—8,000 Gross—13,300

Weight distribution (lb):
Empty Lunette or 5th wheel—150; axle—5,150
Loaded Lunette or 5th wheel—275; axle—13,025
Loading height: (in.) 35
Tires: Ply—18 (combat) Size—14.00 x 20 Operating—2
Maximum cool pressure (lb) 75
Ground clearance: (in.) 12 1/4
Brakes: Service—air Parking—hand, mechanical
Towing vehicles to be used: Truck, 4-5 ton, 4 x 4 or greater capacity
Shipping dimensions, assembled vehicle: (cu ft) 610; (sq ft) 97.5

TRAILER, 8-TON, AMMUNITION, 4W, M23



Technical Manuals: 9-793, 9-1827A
Parts List: SNL G216

RA PD 347345

Manufacturer: Utility Trailer Mfg. Co.

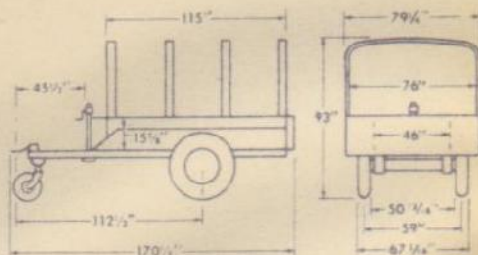
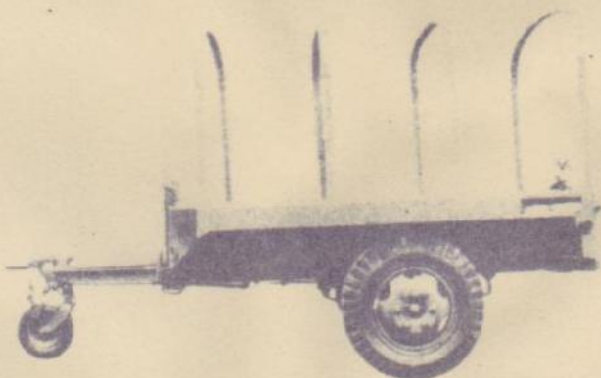
Purpose: To transport ammunition; 96 rounds, 155-mm or 60 rounds, 8-inch or 32 rounds, 240-mm ammunition.

Classification: Standard.

Body type:	Frameless
Weight (lb): Net—10,000	Payload—16,000 Gross—26,000
Weight distribution (lb):	
Empty—limber M5—2,400	Bogie—3,800 on each axle
Loaded—limber M5—6,000	Bogie—10,000 on each axle

Loading height:	(in.) 34
Ground clearance:	(in.) 13 1/2
Tires: Ply—12; Size—11.00 x 20	Operating—4—1 spare
Maximum cool pressure:	(lb) 70
Brakes: Service—Westinghouse air	Parking—mechanical
Towing vehicles to be used: Attached directly to 7 1/2-ton prime mover, or towed by truck, 4-5-ton, 4 x 4, or greater capacity.	
Shipping dimensions, assembled vehicle:	(cu ft) 1,599; (sq ft) 186.2
Pintle height:	(in.) 18

TRAILER, 1-TON PAYLOAD, 2W, ANTENNA MOUNT, V-15/T



Parts List: SNL G-518

RA PD 347249

Manufacturer: Superior Coach Corporation.

Purpose: Used by Signal Corps to transport Radio Set AN/TPQ-2.

Body type:	Cargo*
Weight (lb): Net—1,575; Payload—2,000 max.; Gross—3,575 max.**	
Tires: Ply—8	Size—7.50 x 20
Maximum cool pressure (lb):	55
Ground clearance:	(in.) 12
Brakes:	Parking—mechanical

Towing vehicles to be used:
Any vehicle with pintle hook, 1 1/2-ton capacity or greater

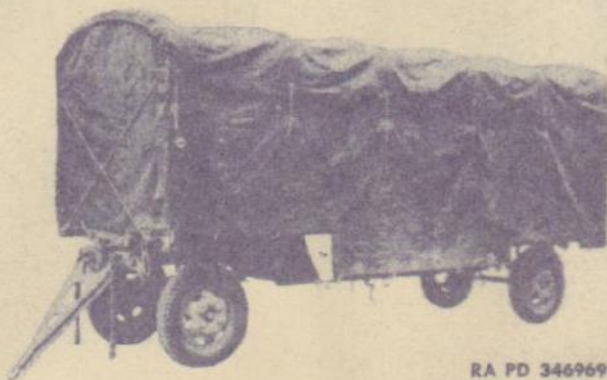
Shipping dimensions, assembled vehicle: (cu ft) 725; (sq ft) 94

*Body is of special design for antenna mount and includes tarpaulin and four bows.

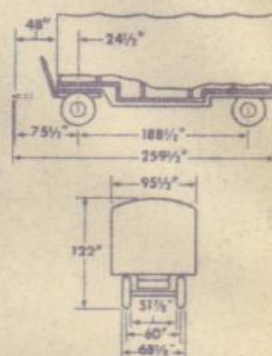
**Trailer weight with bows and tarpaulin.

Note: Trailer is equipped with three manually operated leveling jacks, one at each rear corner, and one at the front of the body. Rear jacks are mounted on swinging arms and fold against the rear of the body when not in use. The front jack is of the vertical rising type.

TRAILER, 5-TON, 4W, ANTENNA MOUNT, K-76 AND K-77



RA PD 346969



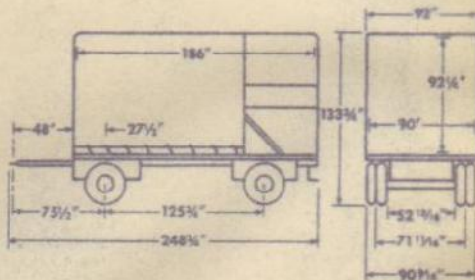
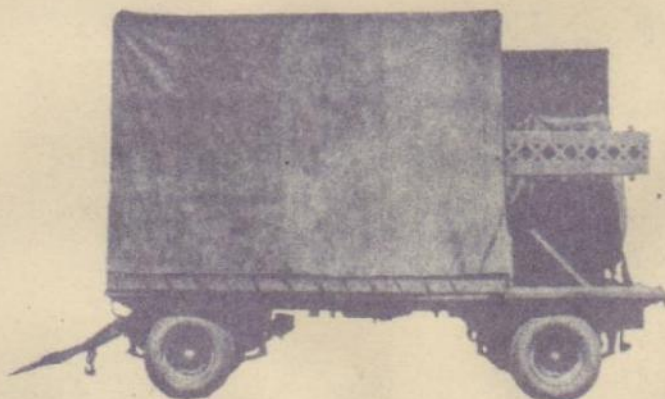
Technical Manual: 11-1490
Parts List: SNL G-700

Manufacturer: Fruehauf Trailer Company.
Classification: Standard when part of radio set SCR-527-A.
Purpose: Used by Army Air Forces to provide mobile antenna mount.

Body type: Platform
Weight (lb): Net—5,600 Payload—4,400 Gross—10,000
Weight distribution (lb):
Empty: Front axle—2,800; rear axle—2,800

Loading height: (in.) 32
Tires: Ply—8 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb): Front—55; rear—55
Brakes: Service—electric
Towing vehicles: Truck, 2 1/2-ton, 6 x 6, K-60 capacity or greater.
Shipping dimensions, assembled vehicle: (cu ft) 1,749; (sq ft) 172
Trailers differ only in equipment carried. Equipped with hubs for dual wheels.

TRAILER, 7-TON GROSS, 4W, ANTENNA MOUNT, K-28B AND K-28C



Parts List: SNL G-696

RA PD 347323

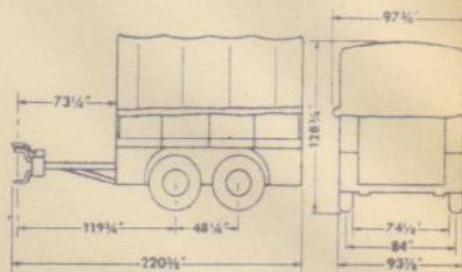
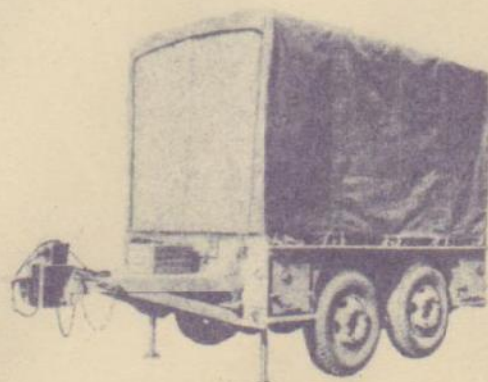
Manufacturer: Fruehauf Trailer Company.
Classification: Standard when part of Radio Set SCR-268.
Purpose: Used by Signal Corps to provide mobility for antenna mount.

Body type: Platform
Weight (lb): Gross—13,060
Weight distribution (lb):
Loaded: Front axle—6,930; rear axle—6,130

Ground clearance: (in.) 14 1/2
Tires: Ply—8 Size—7.50 x 20 Operating—8 1 Spare
Maximum cool pressure (lb): Front—55; rear—55
Brakes: Service—air (front axle only) Parking—hand mechanical
Towing vehicles to be used: Truck, 6-ton, 6 x 6, K-56
Shipping dimensions, assembled vehicle: (cu ft) 1,725; (sq ft) 155

Trailer K28A similar except for 7.50 x 15, 10-ply tires, 70 1/2 inch tread and omission of spare tire.

TRAILER, 7-TON GROSS, 4W, LOW BED, TANDEM AXLE, ANTENNA MOUNT, K-84



Technical Manual: 9-873
Parts List: SNL G-714

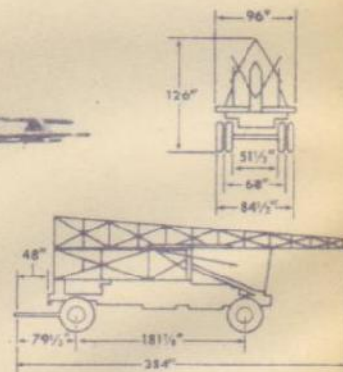
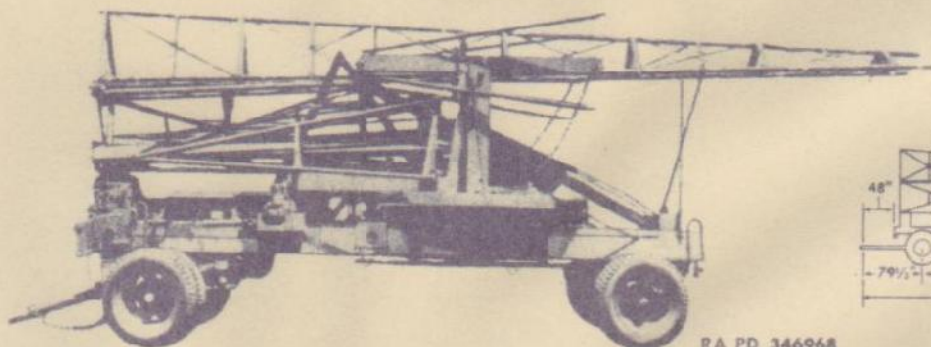
RA PD 346991

Manufacturer: Fruehauf.
Classification: Standard when part of radio set SCR-784.
Purpose: Used by Antiaircraft Artillery to house and transport radio equipment.

Body type: Special—water-tight compartments
Weight (lb): Gross—13,165

Weight distribution (lb):
Loaded—Lunette, 390 Bogie—12,775
Tires: Ply—10 Size—9.00 x 20 Operating—4
Maximum cool pressure (lb): 65
Ground clearance: (in.) 11 1/4
Brakes: Service—Electric Parking—Hand, mechanical
Towing vehicles to be used: Truck, 4-ton, 6 x 6 capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 1,665; (sq ft) 150

TRAILER, ANTENNA, 8-TON GROSS, 4W, K-64-C



RA PD 346968

Parts List: SNL G-703

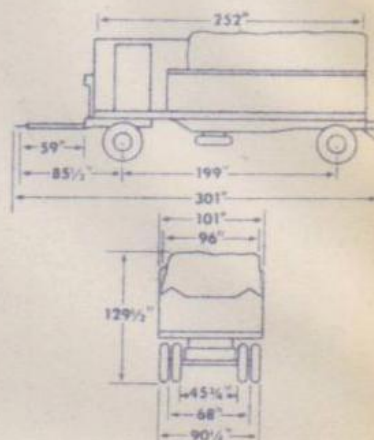
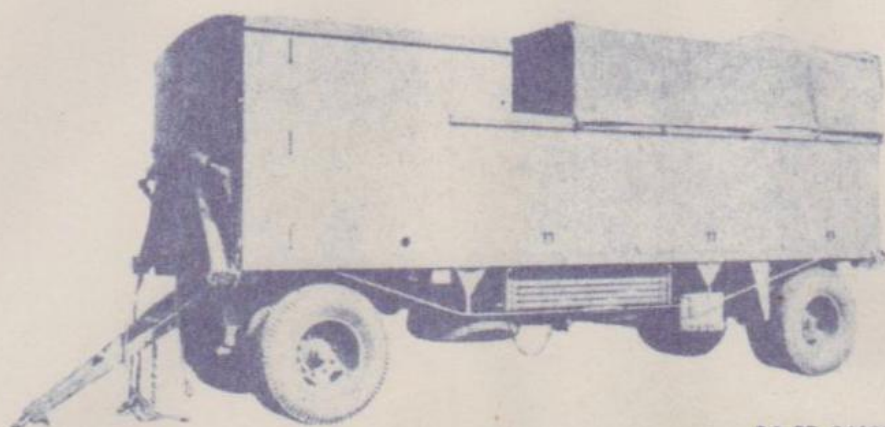
Manufacturer: Couse Laboratories (Chassis by Kingham Trailer).

Classification: Standard when part of radio set SCR-270.

Purpose: Used by Army Air Forces to provide mobile antenna mount (marine model) for radio set SCR-270.

Weight (lb): Gross—15,700 approx.
Tires: Ply—8 Size—7.00 x 20 Operating—8
Maximum cool pressure (lb) Front—55; rear—55
Brakes: Service Electric
Towing vehicle to be used: Truck, 2 1/2-ton, 6 x 6 capacity or greater
Ground clearance: (in.) 14
Shipping dimensions, assembled vehicle: (cu ft) 2,603; (sq ft) 254
Four wheel marine version of semitrailer K-64-B.

TRAILER, 14-TON GROSS, 4W, ANTENNA MOUNT, K-75



RA PD 346989

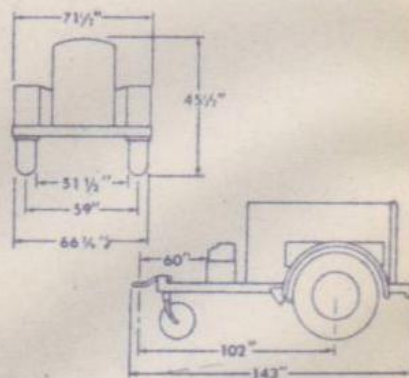
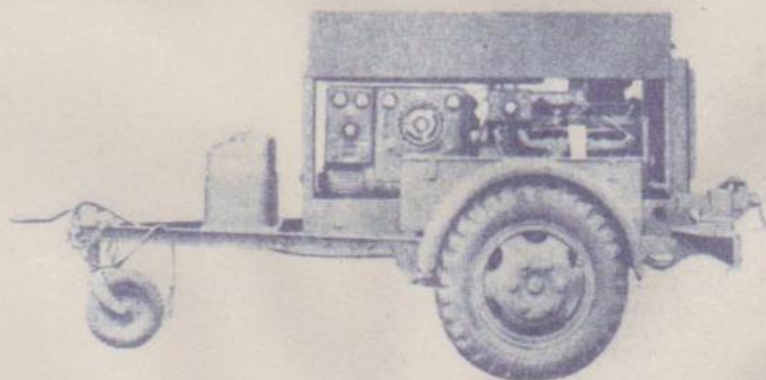
Parts List: SNL G-702

Manufacturer: Chassis: Kingham Trailer; Body: Heil Co.
 Classification: Standard when part of radio set SCR-545.
 Purpose: Used by Antiaircraft Artillery to house and transport radio set SCR-545.

Body type: Special—steel compartments and cab
 Weight (lb):
 Uncrated—Net 14,069 Payload—14,131 Gross—28,200

Weight distribution (lb):
 Loaded Front Axle—13,200; Rear Axle—15,000
 Loading height (in.) 49 1/2
 Tires: Ply 10 Size—9.00 x 20 Spare—1 Operating—8
 Maximum cool pressure (lb): Front—65; rear—65
 Ground clearance: (in.) 14 1/4
 Brakes: Service—air Parking—Hand, mechanical
 Towing vehicles to be used: Truck, van, 6-ton, 6 x 6, K-56
 Shipping dimensions, assembled vehicle: (cu ft) 2,280; (sq ft) 211

TRAILER, 1 1/4-TON, 2W, ARC WELDER



Technical Manual: 5-9059

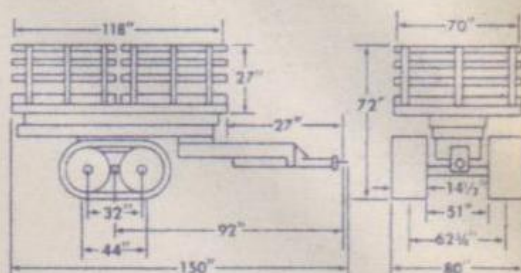
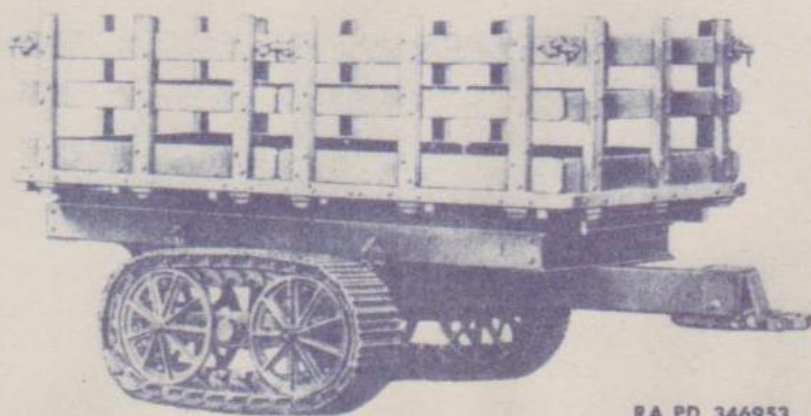
RA PD 347181

Manufacturer: Electric Wheel Company.
 Classification: Standard.
 Purpose: Used by Corps of Engineers as Trailer mount for Arc Welder or 5KW generator.

Ground clearance: (in.) 12
 Weight (lb): Net—1,275 Payload—2,500 Gross—3,775

Weight distribution (lb):
 Empty Lunette—150; axle—1,125
 Loaded Lunette—300; axle—3,475
 Loading height: (in.) 28
 Tires: Ply—8 Size—7.50 x 20 Operating—2
 Maximum cool pressure (lb) 40
 Brakes: Parking—hand
 Towing vehicles to be used: Truck, 3/4-ton, 4 x 4, or larger
 Shipping dimensions, assembled vehicle: (cu ft) 344; (sq ft) 80.7

TRAILER, ATHEY, 6-TON, BT898-1



RA PD 346953

Technical Manuals: 9-790A,
9-1790A

Parts List: SNL G-123, Vol. 1

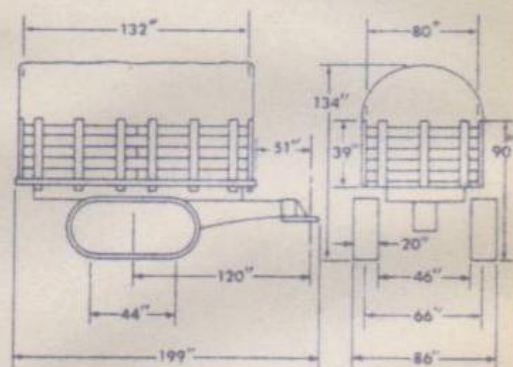
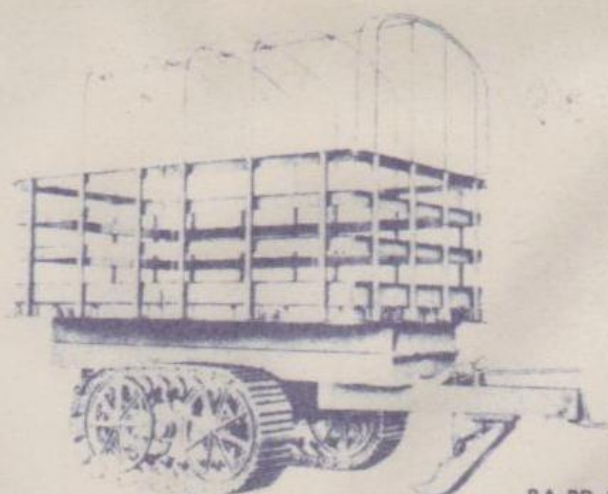
Manufacturer: Athey Truss Wheel Co.
Purpose: To transport general cargo over soft or rough terrain.

Body type:	Stake
Weight (lb): Uncrated—Net—6,300; Payload—12,000; Gross—18,300	
Weight distribution (lb):	
Empty—Lunette, 440	Axle—5,860
Loaded—Lunette, 1,220	Axle—17,080

Loading height:	(in.) 45	Ground clearance:	(in.) 15
Ground pressure:	(lb psi) 13.3	Height, with canopy:	(in.) 133
Turning radius:	(ft) 12		
Towing vehicle to be used:			Tractor
Shipping dimensions, assembled vehicle:	(cu ft) 370; (sq ft) 83.3		
Pintle height (in.):			Rear—21

Cubic volume computed with stakes and canopy removed.

TRAILER, ATHEY, 6-TON, BT898-4



RA PD 346997

Technical Manuals: 9-790A,
9-1790A

Parts List: SNL G-123, Vol. 1

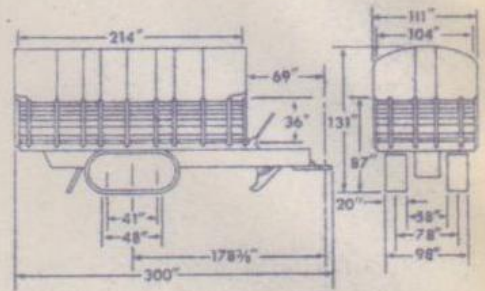
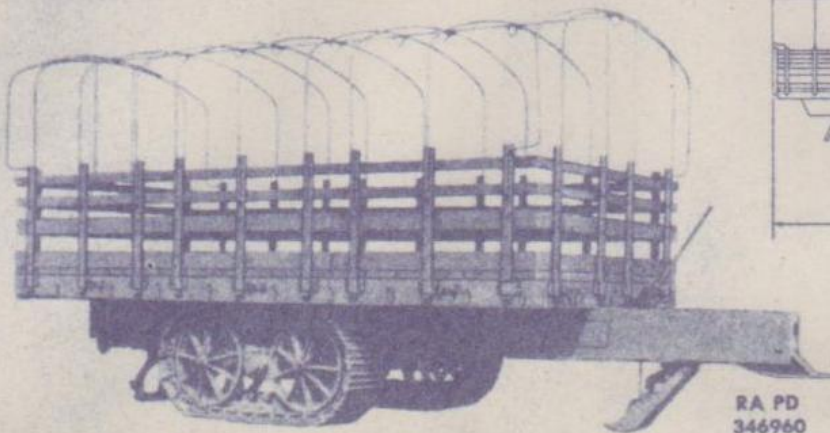
Manufacturer: Athey Truss Wheel Co.
Purpose: To transport general cargo over soft or rough terrain.

Body type:	Cargo—stake
Weight (lb): Crated—Net—9,000	Gross—20,540
Uncrated—Net—8,540	Payload—12,000
Weight distribution (lb):	
Empty—Lunette, 260	Axle—8,280
Loaded—Lunette, 260	Axle—20,280

Ground clearance:	(in.) 15
Loading height:	(in.) 52
Ground pressure:	(psi) 12.3
Load wheel base:	(in.) 38
Turning radius:	(ft) 11
Towing vehicles to be used:	Tractor
Shipping dimensions, assembled vehicle:	(cu ft) 515; (sq ft) 118.8
Pintle height (in.):	Rear—19

Cubic volume computed with stakes and canopy removed.

TRAILER, ATHEY, 20-TON, ET1076-1



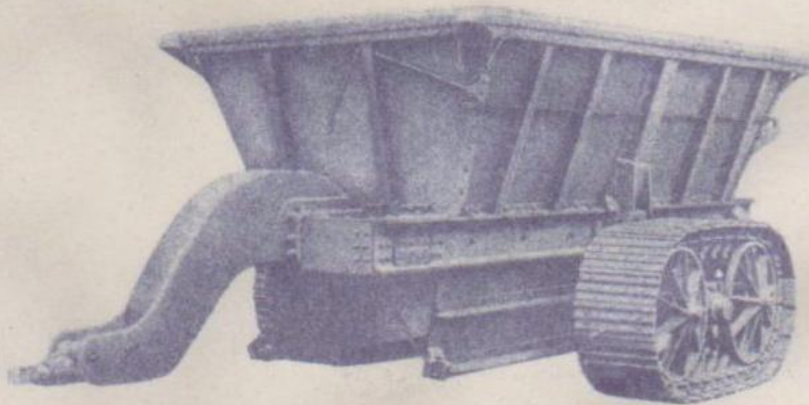
Technical Manuals: 9-790B,
9-1790A
Parts List: SNL G-123, Vol. 2

RA PD
346960

Manufacturer: Athey Truss Wheel Co.
Purpose: To transport general cargo over soft or rough terrain.
Body type: Stake
Weight (lb): Crated—Net 15,200
Uncrated—Net—14,700 Payload—40,000 Gross—54,700
Weight distribution (lb):
Empty—Lunette, 340 Axle—14,360
Loaded—Lunette, 340 Axle—54,360

Loading height: (in.) 53 Pintle height (in.) Rear—21½
Ground clearance: (in.) 17
Ground pressure: (psi) 78
Turning radius: (ft) 21
Towing vehicles to be used: Tractor
Shipping dimensions, assembled vehicle: (cu ft) 1,027.1; (sq ft) 231.2
Cubic volume computed with stakes and canopy removed.

WAGON, DIRT OR ROCK, CRAWLER MOUNTED, BOTTOM DUMP, 11 CU YD



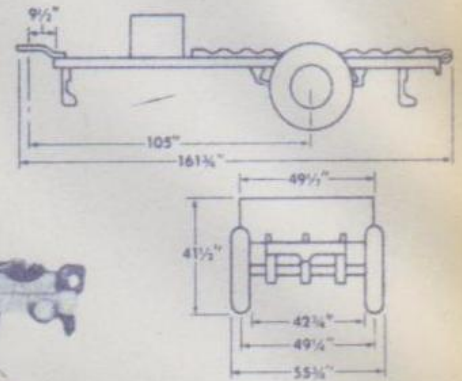
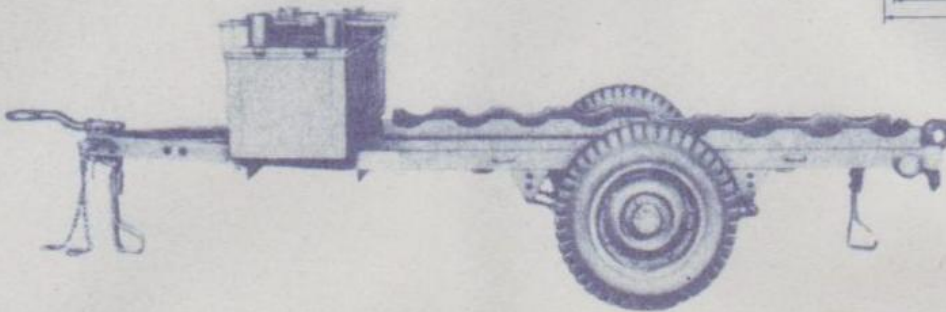
Technical Manual: 5-3002

Manufacturer: Athey Truss Wheel Co.
Make of vehicle illustrated: Model E-13.
Purpose: Used by Corps of Engineers for earth moving operations.

Weight (lb): Net—16,700 Payload—33,300
Vehicle dimensions (in.): Length—156; height—81; width—120
Capacity: Struck (cu yd) 11
Turning radius (ft) 15
Outside radius (ft) 21

Running gear:
Wheels 4
Type Track
Crawlers 2
Size (in.) 20
Supporting area (sq ft) 16
Gage (in.) 96
Road or towing speed (in transit) (mph) 1.5
Ejection type Bottom dump, cable operated
Drawbar required (hp) 45
Shipping dimensions (cu ft) 700
Shipping weight (lb) 17,072

TRAILER, BOMB, 3/4-TON PAYLOAD, 2W, M29



Technical Manual: 9-791
Parts List: SNL G-240

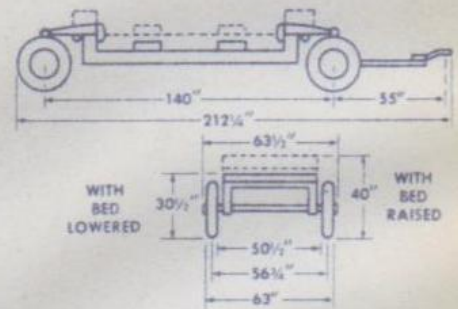
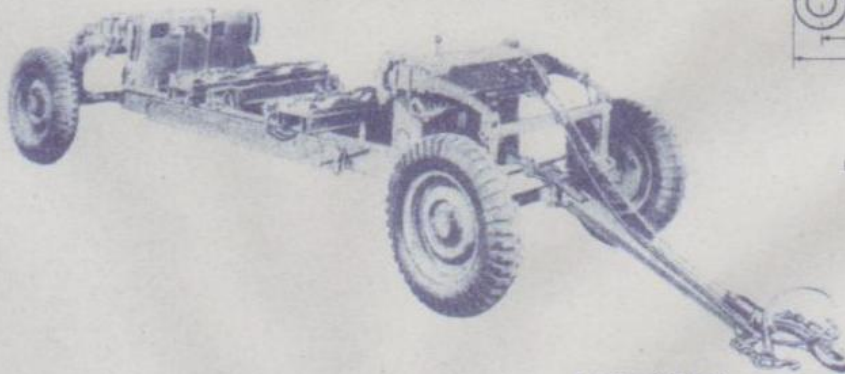
RA PD 347139

Manufacturer: American Bantam Car Co.
Purpose: Used by Army Air Forces to transport bombs.
Classification: Standard.

Weight (lb): Net—1,000 Payload—1,500 Gross—2,500
Weight distribution (lb): Empty Lunette—150; axle—840
Loaded Lunette—210; axle—1,290

Loading height: (in.) 20 1/4
Tires: Ply—6 Size—6.00 x 16 Operating—2
Maximum cool pressure (lb) 30
Ground clearance: (in.) 9
Towing vehicles to be used: Any vehicle equipped with pintle hook
Shipping dimensions, assembled vehicle:
(cu ft) 492.3; (sq ft) 55.6

TRAILER, BOMB, 1-TON, 4W, T53



Technical Manual: 9-797
Parts List: SNL G-224

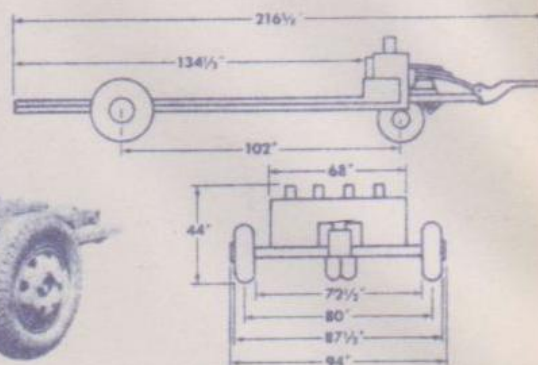
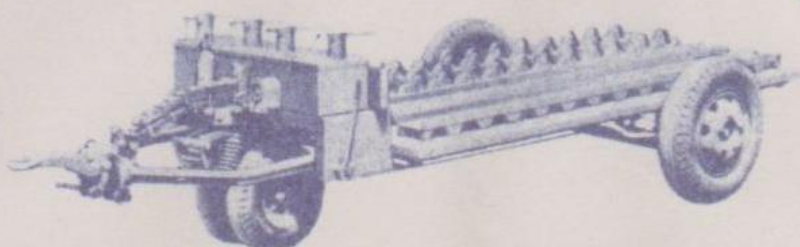
RA PD 347235

Manufacturer: Strick Company.
Classification: Standard.

Purpose: To haul bombs from bomb storage point to the planes being serviced and for positioning the bombs for loading.

Weight (lb): Net—2,250 Payload—2,000 Gross—4,250
Tires: Ply—6 Size—6.00 x 16 Operating—4
Maximum cool pressure (lb) Front—35; rear—35
Ground clearance: (in.) 11 1/2
Brakes: Service—electric Parking—mechanical
Towing vehicles to be used: 1 1/2-ton, 4 x 2 or greater capacity
Pintle height: (in.) 17

TRAILER, BOMB, M5



RA PD 347232

Technical Manual: 9-760
Parts List: SNL G-74

Manufacturers: Saginaw Stamping and Tool; American Seating; Onida; Electric Wheel; Trailer Company of America.

Classification: Standard.

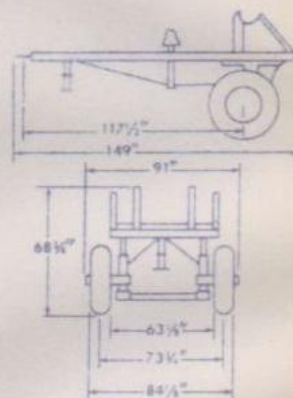
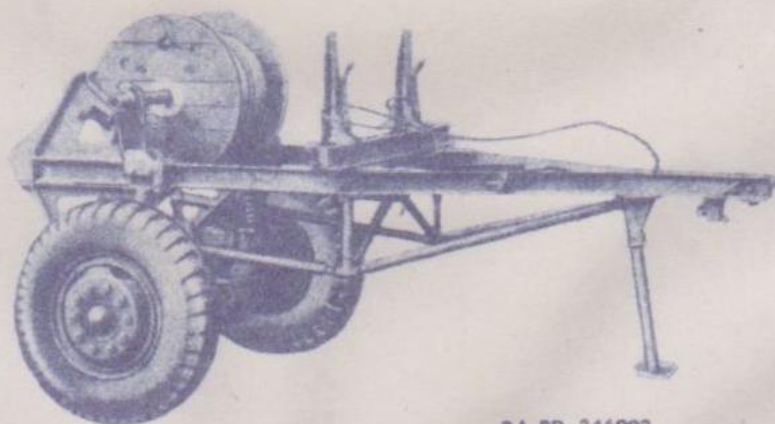
Purpose: Used by AAF to transport bombs.

Body type:	Low bed
Weight (lb): Net—3,200	Payload—4,000
	Gross—7,200
Loading height:	(in.) 21 1/2
Ground clearance (rear axle):	(in.) 9 1/2

Tires: Ply—Front—6; rear—8	Operating—4
Size	Front—6.50 x 10; rear—7.50 x 18
Maximum cool pressure (lb)	Front—45; rear—55
Brakes: Service	Warner Electric
Towing vehicles to be used: Truck, 1 1/2-ton, 4 x 4 or greater capacity	
Shipping dimensions, assembled vehicle: (cu ft) 518.4; (sq ft) 141.3	
Pintle heights (in.):	Rear—20 1/2

Front of hitch yoke has reversible lunette to attach to rear pintle of another trailer, or to a prime mover, so that it can be towed in trains at speeds up to 45 miles per hour on highways.

TRAILER, 5-TON PAYLOAD, 2W, CABLE HAULER, K-37



RA PD 346993

Parts List: SNL G-687

Manufacturer: Highway Trailer Co.

Classification: Standard.

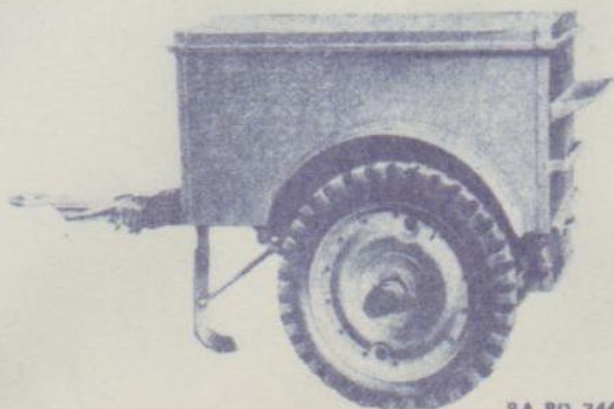
Purpose: Used by Signal Corps for construction and maintenance of telephone and telegraph pole lines, and field lines.

Weight (lb): Net—2,900	Payload—10,000	Gross—12,900
Tires: Ply—12	*Size—10.00 x 20	Operating—2
Maximum cool pressure (lb):		70

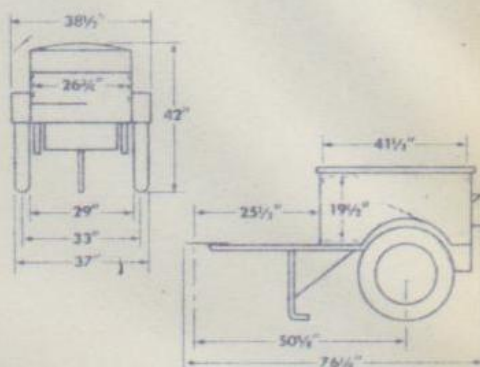
Ground clearance:	(in.) 9
Brakes: Service	Electric
Towing vehicles to be used: Trucks, 1 1/2-ton, 4 x 4, K-42, K-43, K-44	
Shipping dimensions assembled vehicle:	(cu ft) 540; (sq ft) 94

*K-37-A equipped with 12.00-20, 16-ply tires with 76 1/2-inch tread.
Shipping dimensions may be reduced by removing stanchions and cable reel saddle.

TRAILER, 1/4-TON PAYLOAD, 2W, TELEPHONE CABLE SPLICER, K-38



RA PD 346977



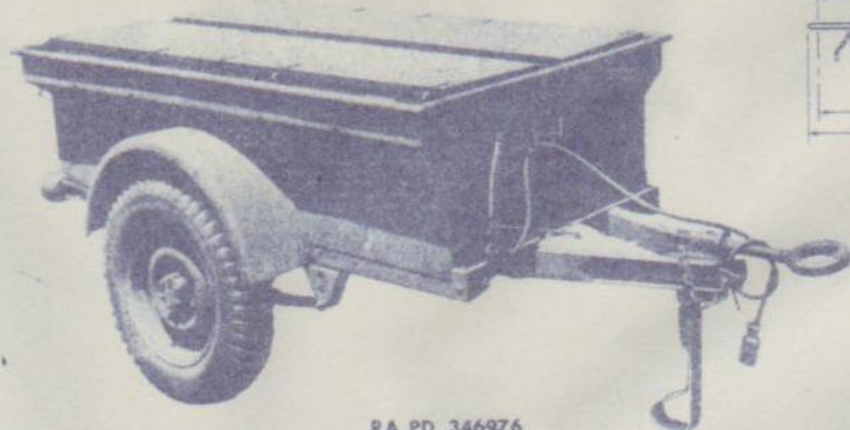
Parts List: SNL G-529, G-685

Manufacturer: York Hoover Body Corp.
 Classification: Standard.
 Purpose: Used by Signal Corps to store and transport cable splicer's tool equipment TE-56.

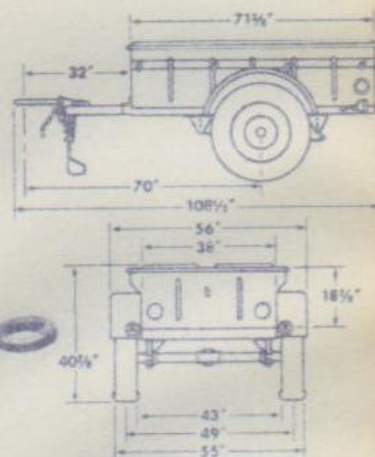
Body type: Chest
 Weight (lb): Net—410 Payload—500 Gross—910

Weight distribution (lb):
 Empty—Lunette, 120 Axle—290
 Loaded—Lunette, 210 Axle—700
 Tires: Ply—4 Size—4.00 x 18 Operating—2
 Maximum cool pressure (lb) 30
 Ground clearance: (in.) 7 1/2
 Towing vehicles to be used: Any vehicle equipped with pintle hook
 Shipping dimensions, assembled vehicle: (cu ft) 72; (sq ft) 21

TRAILER, 3/8-TON PAYLOAD, 2W, TELEPHONE CABLE SPLICER, K-38-A



RA PD 346976



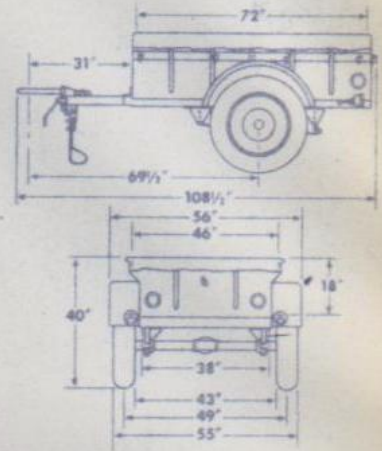
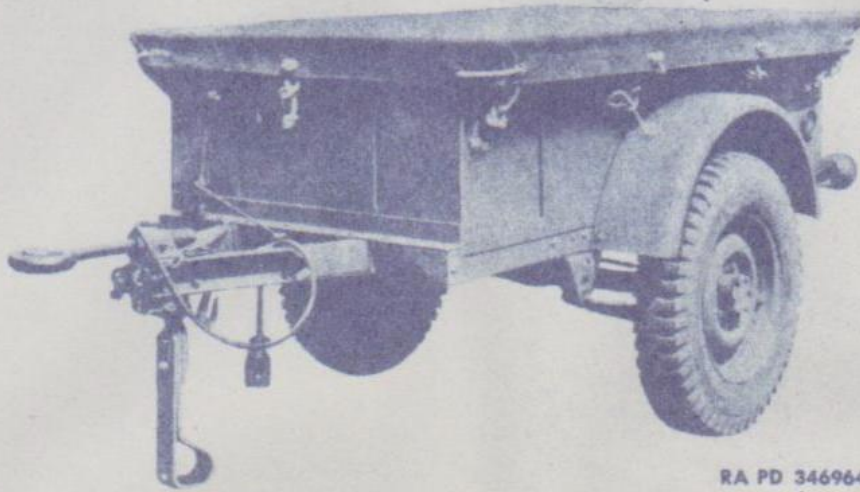
Technical Manual: 10-1281
 Parts List: SNL G-529

Manufacturer: Assembled from government-furnished equipment.
 Classification: Standard.
 Purpose: Used by Signal Corps to house and transport telephone cable splicer tool set TE-56.

Body type: Two detachable steel chests in cargo body
 Weight (lb): *Net—865 Payload—460 Gross—1,325

Loading height: (in.) 40 1/2
 Tires: Ply—6 Size—6.00 x 16 Operating—2
 Maximum cool pressure (lb) 30
 Brakes: (Parking) Hand, mechanical
 Towing vehicles to be used: Truck, 1/4-ton and 3/4-ton, + 2 4
 Shipping dimensions, assembled vehicle: (cu ft) 144; (sq ft) 43
 *Net weight includes empty chests.

TRAILER, 1/4-TON, 2W, CARGO (AMPHIBIAN)



Technical Manual: 10-1281
Parts List: SNL G-529

RA PD 346964

Manufacturers: American Bantam Car Co., and Willys-Overland Motors, Inc.
Classification: Standard.

Make of vehicle illustrated: Willys.
Purpose: To transport general cargo on land or water.

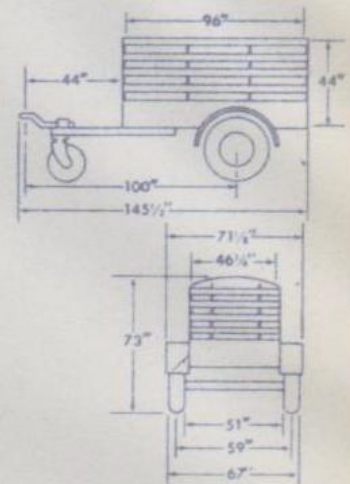
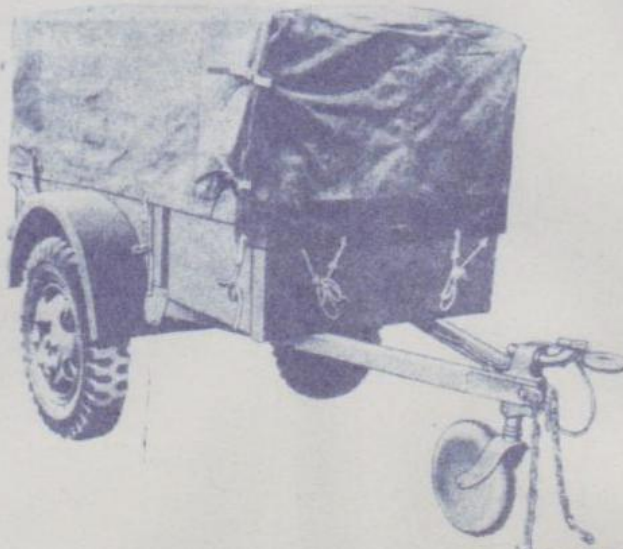
GENERAL DATA

Body type: Cargo
Weight (lb):
Net—550 Payload—500 Gross—1,050
Weight distribution (lb):
Empty—Lunette, 80 Axle—470
Loaded—Lunette, 153 Axle—897
Loading height: (in.) 22
Tires: Ply—6 Size—6.00 x 16 Operating—2
Maximum cool pressure (lb): 30
Ground clearance: (in.) 12 1/2
Brakes: Parking—mechanical
Towing vehicles to be used: On land, any vehicle equipped with pintle hook; on water, Truck, 1/4-ton, 4 x 4 amphibian.
Shipping dimensions,
assembled vehicle: (cu ft) 115.5; (sq ft) 42

ADDITIONAL DATA

Trailer will float with 500-pound payload, with 6 inches freeboard.

TRAILER, 1-TON, 2W, CARGO



Technical Manual: 9-883
Parts List: SNL G-518j

RA PD 346978

Manufacturer: Refer to additional data.

Classification: Standard.

Make of vehicle illustrated: Ben-Hur Mfg. Co.

Purpose: To transport general cargo; also designated K-52 and K-63, and used by Signal Corps as mobile power unit; by Medical Corps to transport medical cargo for surgical truck operating, and by Corps of Engineers to transport 5KW power unit.

GENERAL DATA

Body type: Cargo, wood or steel, with stake sides and canopy

Weight (lb):*

Net—1,300	Payload—2,000	Gross—3,300
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Weight distribution (lb):

Empty—Lunette, 150	Axle—1,150
Loaded—Lunette, 260	Axle—3,040

Loading height: (in.) 31 1/4

Tires: Ply—8 Size—7.50 x 20 Operating—2

Maximum cool pressure (lb) 55

Ground clearance: (in.) 15

Brakes: Hand parking only

Towing vehicles to be used: Truck 1/2-ton capacity or greater

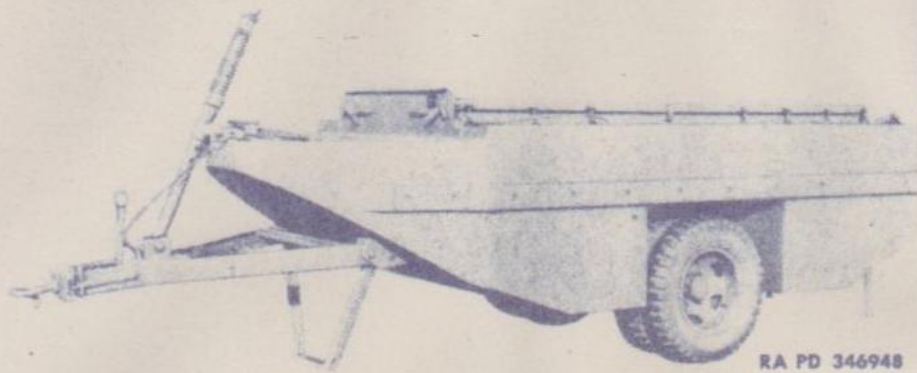
Shipping dimensions, assembled vehicle: (cu. ft.) 437; (sq. ft.) 71.8

ADDITIONAL DATA

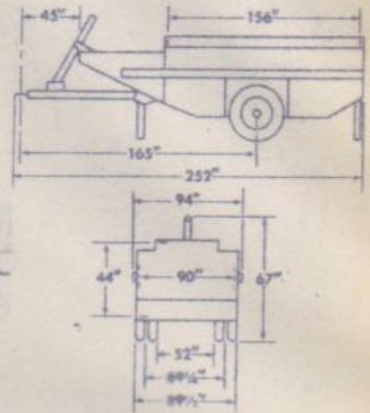
Similar vehicles manufactured by American Bantam Car Co.; Ben Hur Mfg. Co.; Century Boat Works; Checker Cab Mfg. Co.; Dorsey Brothers; Gerstenalager Co.; Henney Motor Co.; Hercules Body Co.; Highland Body Co.; J. W. Hobbs Corp.; Hyde Trailer Co.; Mifflinburg Body Co.; W. C. Nabors Co.; Nash-Kelvinator Corp. (Nash Motors Div.); Omaha Standard Body Corp.; Pike Trailer Co.; Queen City Mfg. Co.; Redman Trailer Co.; Saginaw Stamping; Steel Products Co., Inc.; Strick Co.; (The) Transportation Equipment Co.; Truck Engineering Corp.; Willys-Overland Motors Co.; Winter-Weiss Co.; Trailer Co. of America.

*Weight data computed for wood body. Steel body—net 1490 lb., gross 3490 lb.

TRAILER, 2½-TON PAYLOAD, 2W, CARGO (AMPHIBIAN)



RA PD 346948



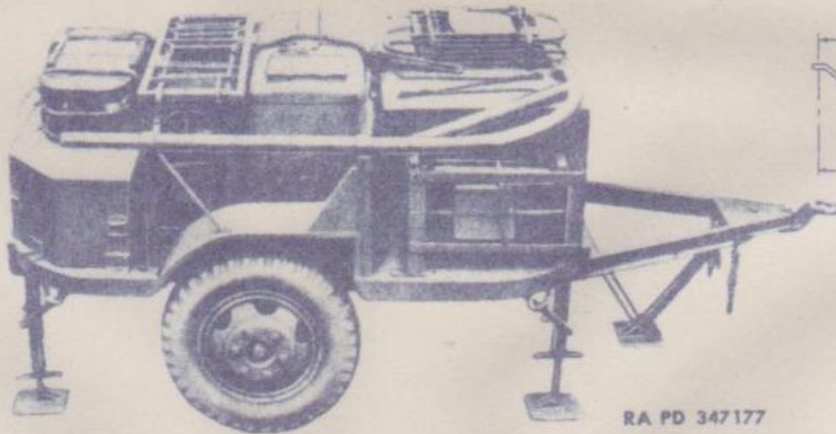
Technical Manual: 9-873
Parts List: SNL G-727

Manufacturers: Cleaver-Brooks Co. Model WT CT-6.
Purpose: To transport general cargo on land or in water.

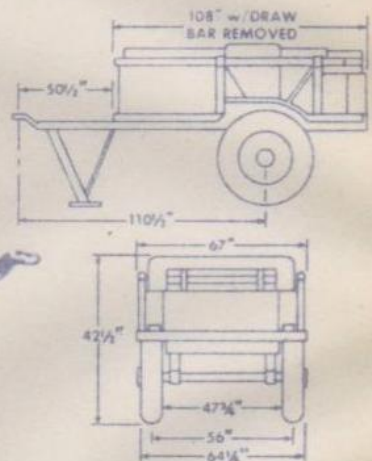
Body type: Amphibian, welded hull, sheet steel
Weight (lb): Net—4,000 Payload—5,000 Gross—9,000
Weight distribution: Empty (lb) Lunette—2,000 Axle—2,000
Loaded (lb) Lunette—4,500 Axle—4,500

Tires: Operating 4
Ply—10 Size—8.25 x 20
Maximum cool pressure (lb): 60
Ground clearance (in.) 45 1/4
Towing vehicles to be used: DUKW, or landing vehicle tracked.
Shipping dimensions: Assembled vehicle (cu ft) 913 (sq ft) 164.5
Shipping weight (approx): (lb) 4300

TRAILER, 2W, CLOTHING AND TEXTILE REPAIR



RA PD 347177

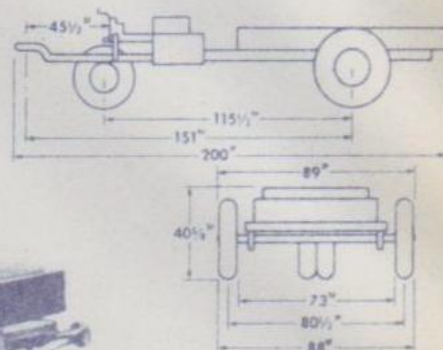
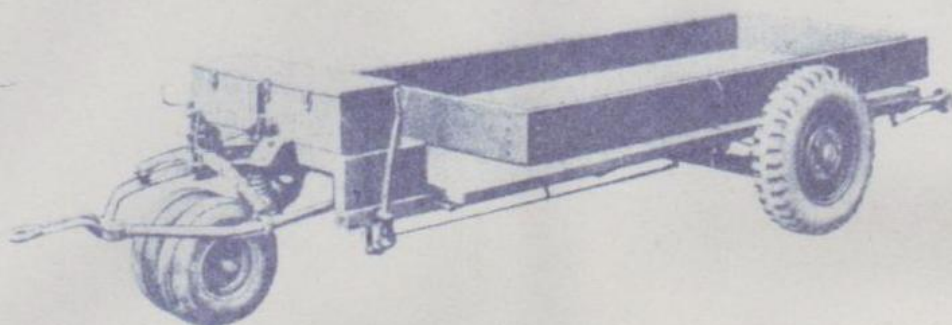


Manufacturer: McCabe-Powers Auto Body Co.
Classification: Standard.
Make of vehicle illustrated: McCabe-Powers Two-Wheel Trailer.
Purpose: Used by Quartermaster Corps to provide mobile field repair of clothing and textiles.

Weight (lb): Net—1,750 Payload—2,700 Gross—4,450

Weight distribution (lb):
Empty—Lunette—124 Axle—1,626
Loaded—Lunette—190 Axle—4,260
Loading height (to deck): (in.) 34
Tires: Ply—10 Size—7.50 x 20 Operating—2
Maximum cool pressure (lb) 75
Ground clearance: (in.) 16
Towing vehicles to be used: 2½-ton, 6 x 6, cargo truck
Shipping dimensions, assembled vehicle: (cu ft) 368; (sq ft) 63
Pintle height: (in.) 26 3/4

TRAILER, CHEMICAL HANDLING, M2



Technical Manual: 9-758
Parts List: SNL G-74

RA PD 347137

Manufacturer: Saginaw Stamping & Tool Co.
Classification: Standard.

Purpose: Used by Chemical Warfare Service to transport chemical containers and smoke tanks.

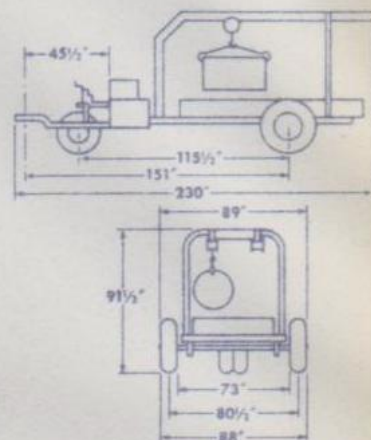
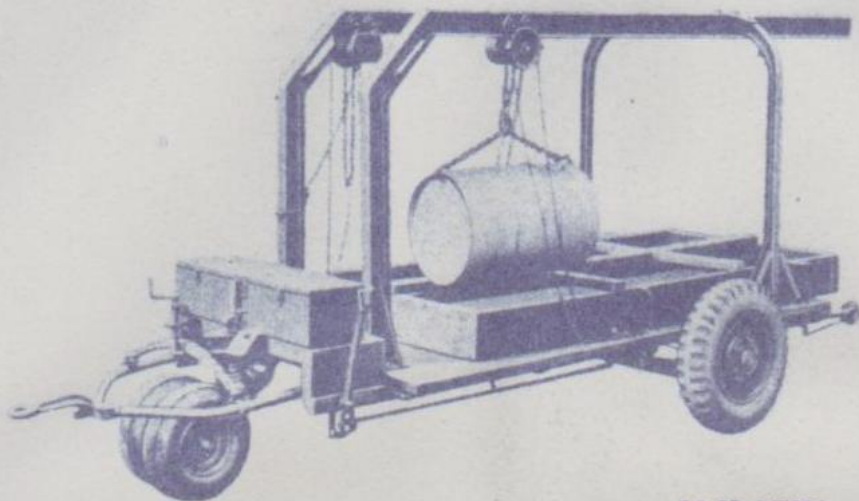
GENERAL DATA

Weight (lb):
 Uncrated—Net—2,200 Payload—6,000 Gross—8,200
 Loading height: (in.) 28 1/2
 Tires: Ply—Front—6 Size—Front—6.50 x 10 Operating—4
 Rear—8 Rear—7.50 x 18
 Maximum cool pressure (lb) Front—45; rear—55
 Ground clearance (at rear axle): (in.) 9 1/2
 Brakes: Service Electric Warner
 Towing vehicles to be used:
 Any 2 1/2-ton, 6 x 6 truck or tractor, with electric brake controls
 Shipping dimensions, assembled vehicle: (cu ft) 431.3; (sq ft) 133
 Pintle height (in.): Rear—19

ADDITIONAL DATA

The trailer chassis on which the superstructure is built resembles the Standard Ordnance bomb trailer, M5. The working parts include 4 wooden beams, metal covered, laid lengthwise, and 5 angle iron tie rods laid crosswise on top of them; the longitudinal beams are 5 in. high, 6 in. wide, and 140 in. long. The 2 outside beams are bolted permanently to the trailer bed, the 2 center beams being adjustable sideways.

TRAILER, CHEMICAL SERVICE, M1



RA PD 347093

Manufacturer: Saginaw Stamping and Tool Co.
 Classification: Standard.

Purpose: Used by Chemical Warfare Service to transport chemical containers and handling equipment.

GENERAL DATA

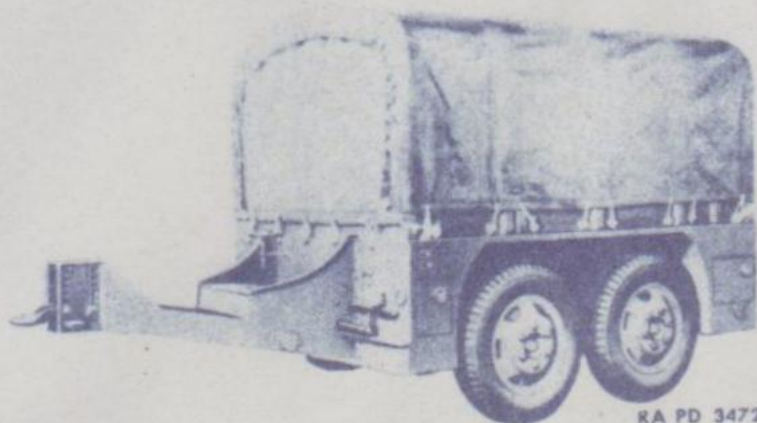
Weight (lb): Uncrated—Net—3,300; Payload—6,000; Gross—9,300
 Loading height:..... (in.) 28 1/2
 Tires: Ply—Front—6 Size—6.50 x 10 Operating—4
 Rear—8 Size—7.50 x 18
 Maximum cool pressure (lb) Front—45; rear—55
 Ground clearance: at rear axle (in.) 9 1/2
 Brakes: Service Electric-Warner
 Towing vehicles to be used: Any 2 1/2-ton, 6 x 6 truck, or a tractor with electric brake controls.
 Shipping dimensions, assembled vehicle: (cu ft) 1,064; (sq ft) 133
 Pintle height (in.): Rear—19

ADDITIONAL DATA

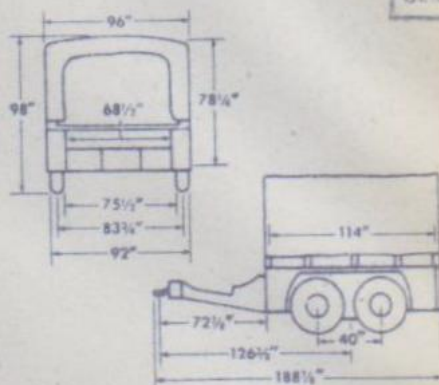
The trailer chassis on which the superstructure is built resembles the Standard Ordnance bomb trailer M5. Two trolley beams, each fitted with a 1/2-ton capacity trolley hoist, run side by side from front of trailer to rear.
 The bed of the trailer is made of hardwood reinforced with steel. It is 125 in. long and 58 1/4 in. wide.
 The 2 trolley hoists are 30 in. apart and 70 1/2 in. above the trailer floor. They extend 32 in. beyond the rear end of the bed.

TRAILER, DIRECTOR, M13

R & V - HKGS
GEREGISTREER



RA PD 347254



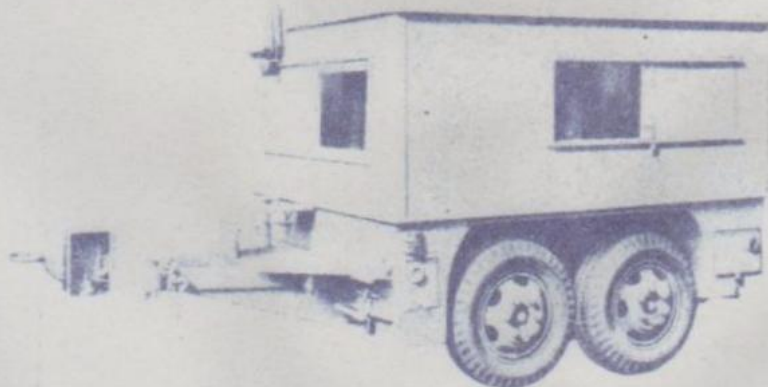
Technical Manual: 9-881
Parts List: SNL G-221

Manufacturers: Fruehauf Trailer Co.; J. G. Brill Co.
Classification: Limited standard.
Make of vehicle illustrated: J. G. Brill Co.
Purpose: To carry directors, M9 and M10.

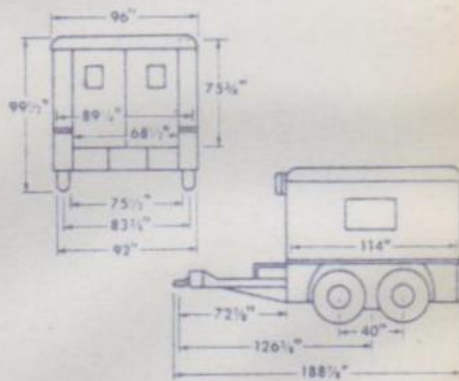
Body type: Bows and tarpaulin
Weight (lb): Net—4,400 Gross—7,850
Loading height (in.) 17 1/4

Weight distribution (lb):
Empty Front axle—2,200; rear axle—2,200
Loaded Front axle—3,925; rear axle—3,925
Tires: Ply—12 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 9 1/4
Brakes: Service Warner Electric
Towing vehicles to be used: Truck, 2 1/2-ton, 5 x 6 capacity or greater
Shipping dimensions, assembled vehicle:
(cu ft) 1,028.3; (sq ft) 125.9

TRAILER, DIRECTOR, M14



RA PD 347257



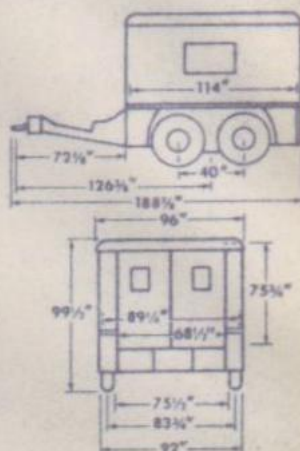
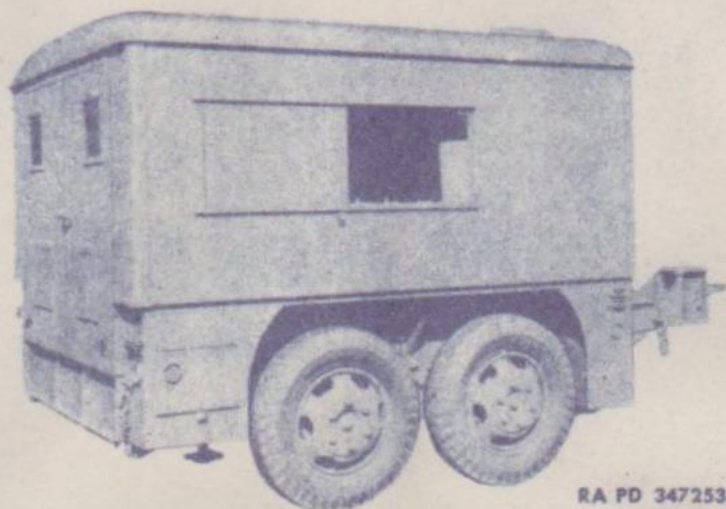
Technical Manual: 9-881
Parts List: SNL G-221

Manufacturers: Fruehauf Trailer Co.; J. G. Brill Co.
Classification: Limited standard.
Make of vehicle illustrated: Fruehauf.
Purpose: To carry directors, M9 and M10.

Body type: Van
Weight (lb): Net—8,900
Weight distribution (lb): Front axle—4,450; rear axle—4,450

Loading height: (in.) 17 1/4
Tires: Ply—12 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 9 1/4
Brakes: Service Warner Electric
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6 capacity or greater
Shipping dimensions, assembled vehicle:
(cu ft) 1,044; (sq ft) 125.9

TRAILER, DIRECTOR, M22



RA PD 347253

Technical Manual: 9-881
Parts List: SNL G-221

Manufacturers: Fruehauf Trailer Co.; J. G. Brill Co.

Classification: Standard.

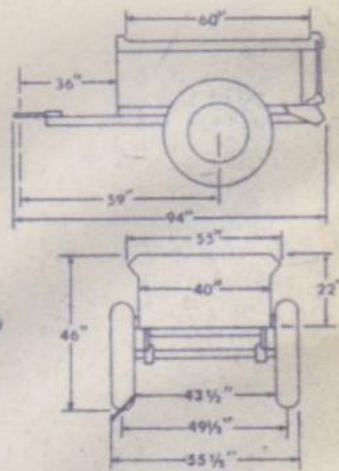
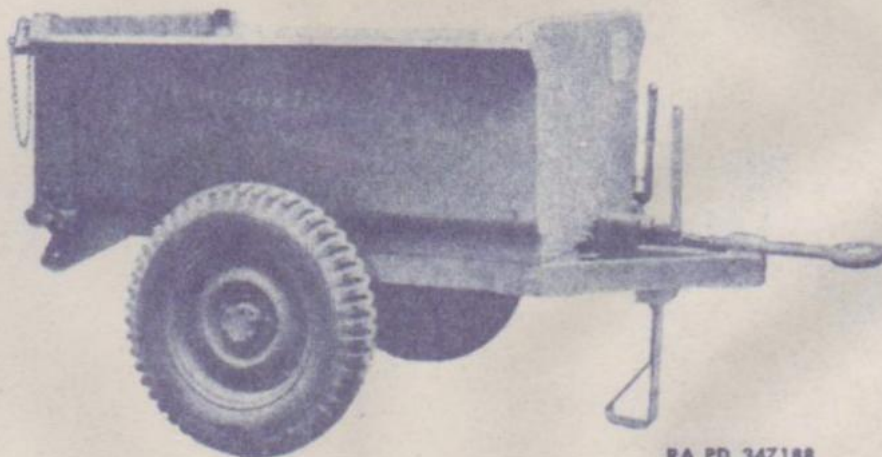
Make of vehicle illustrated: Fruehauf.

Purpose: To carry directors, M9 and M10.

Body type: Van
Weight (lb): Net—8,900

Weight distribution (lb): Front axle—4,450; rear axle—4,450
Loading height: (in.) 17 1/4
Tires: Ply—12 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 9 1/4
Brakes: Service Warner Electric
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6 capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 1,044; (sq ft) 125.9

TRAILER, DUMP, TOWED TYPE, 1/2-TON, 2W



RA PD 347188

Technical Manual: 5-9084

Manufacturer: Convento Manufacturing Company.

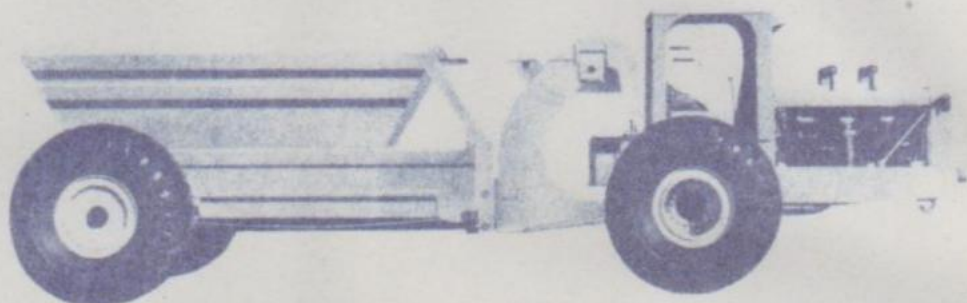
Classification: Standard.

Purpose: Used by Corps of Engineers to carry general cargo and to haul and dump earth or similar loads.

Body type: Cargo—dump
Weight (lb): Net—630 Payload—1,000 Gross—1,630

Weight distribution (lb): Empty Axle—630
Loaded Axle—1,630
Loading height: (in.) 25
Tires: Ply—6 Size—6.00 x 16 Operating—2
Maximum cool pressure (lb) 35
Ground clearance: (in.) 14
Towing vehicles to be used: Truck, 1/2-ton, 4 x 4 capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 74; (sq ft) 24

TRAILER, DUMP, MOTORIZED, CABLE OPERATED, 11 1/2 CU YD



Manufacturer: R. G. LeTourneau, Inc.

Classification: Standard.

Make of vehicle illustrated: Tournatrailer, Model W-210.

Purpose: Used by Corps of Engineers for earth moving operations.

GENERAL DATA

Weight (lb): Net—26,400	Gross—39,900
Weight distribution:	
Front wheels	(lb) 14,500
Rear wheels	(lb) 11,800
Tires (front and rear): Ply—20	Size—21.00 x 14
Vehicle dimensions:	
Length (tractor and trailer)	(in.) 338
Width (tractor and trailer)	(in.) 126
Height	(in.) 108
Wheelbase (tractor and trailer)	(in.) 223
Gage:	
Tractor	(in.) 74
Trailer	(in.) 78
Electrical system	(volts) 6
No. of batteries	4
Bowl dimensions (in.):	
Width (top)—96, (bottom)—50.	
Length (top)—152, (bottom)—95.	
Height—50	
Capacities:	
Fuel (Diesel)	(qt) 46
Cooling system	(qt) 60
Crankcase	(qt) 20
Transmission	(qt) 14
Rear axle, differential and final drive housing	(lb) 38

PERFORMANCE

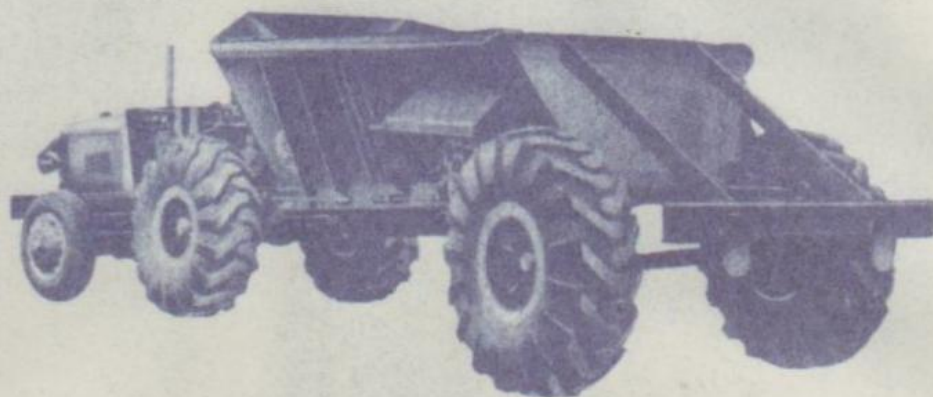
Speed:	
Forward	(mph) 1st—2.6; 2nd—4.4; 3rd—8.1; 4th—14.3
Reverse	(mph) 2.2

ENGINE

Manufacturer	Cummins	Model	HB-500
Type	4-cycle	No. of cylinders	6
Displacement		(cu in.)	672
Bore		(in.)	4 1/4
Stroke		(in.)	6
Maximum governed speed		(rpm)	1,800
Brake horsepower	150 at (rpm)		1,800
Torque	500 ft-lb at (rpm)		800-850

ADDITIONAL DATA

TRAILER, DUMP, MOTORIZED, PNEUMATIC AND CABLE OPERATED, 13 CU YD



Manufacturer: Euclid Road Machinery Co.

Purpose: Used by Corps of Engineers for earth moving operations.

Make of vehicle illustrated: Euclid Road Machinery, Model 58-W w/tractor, Model 2 S FDT.

GENERAL DATA

Weight (lb): Net—32,315.....	Payload—40,000
Weight distribution:	
Front axle	(lb) 8,130
Drive axle	(lb) 13,190
Trailer axle	(lb) 10,995
Tires:	
Front wheel of tractor	Ply—14; Size—11.00 x 24
Drive and trailer	Ply—20; Size—21.00 x 24
Vehicle dimensions:	
Wheelbase, front to drive axle	(in.) 110½
Drive to trailer axle	(in.) 240
Front to trailer axle	(in.) 350½
Length (over-all) tractor	(in.) 185
Complete unit	(in.) 445¼
Width, tractor	(in.) 101
Complete unit	(in.) 114½
Height, to top of exhaust pipe	(in.) 128½
Tire spacing:	
Inside, at front	(in.) 61½
At drive	(in.) 54
At trailer	(in.) 67½
Outside, at front	(in.) 85½
At drive	(in.) 101
At trailer	(in.) 114½
Ejection type	Bottom dump, cable operated
Electrical system	(volts) 12
No. of batteries	2
Capacities:	
Fuel (Diesel)	(qt) 46
Cooling system	(qt) 60
Crankcase	(qt) 20

Transmission	(qt) 14
Rear axle, differential and final drive housing	(lb) 38
Transmission:	
(Gear ratio	High—0.636:1; Low—6.54:1)

PERFORMANCE

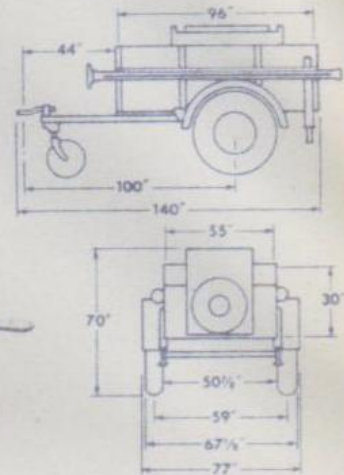
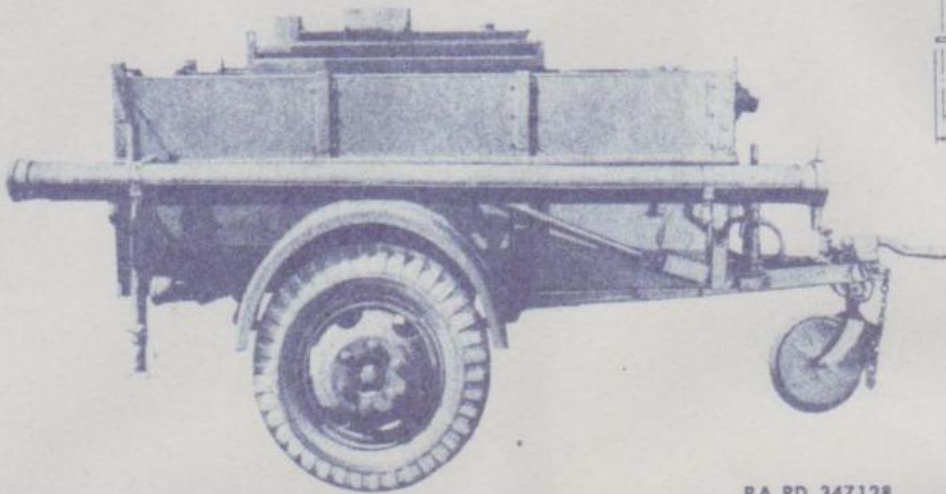
Maximum computed gradability	(percent) 22
Average turning circle diameter:	
W/individual steering brakes	(in.) 464
W/o steering brakes (in.).....	Left turn—606; Right turn—619

ENGINE

Manufacturer: Cummins	Model HB-600
Type: 4-cycle	No. of cylinders 6
Displacement	(cu in.) 671
Bore	(in.) 4¾
Stroke	(in.) 6
Maximum governed speed	(rpm) 1,800
Brake horsepower	150 at (rpm) 1,800
Torque	500 ft-lb at (rpm) 600-850

ADDITIONAL DATA

TRAILER, FIRE PUMPER, 2W, 500 GPM, CLASS 1000



RA PD 347128

Manufacturers: Hale Fire Pump Co.; Twin Coach;
John Deere Wagon Works.
Classification: Corps of Engineers standard.

Make of vehicle illustrated: Hale Fire Pump Co.
Purpose: Used by Corps of Engineers for combating fire
and as an auxiliary pumping unit.

GENERAL DATA

Weight (lb):		Gross—3,500
Weight distribution (lb):		
Loaded	Lunette—300; axle—3,200	
Loading height:		(in.) 25
Tires: Ply—8	Size—7.50 x 20	Operating—2
Maximum cool pressure (lb)		50
Ground clearance:		(in.) 16 1/2
Brakes:	Parking—hand-mechanical	
Towing vehicles to be used:	Truck, 1 1/2-ton, 6 x 6	
Shipping dimensions, assembled vehicle:	(cu ft) 436.6; (sq ft) 74.8	

ADDITIONAL DATA

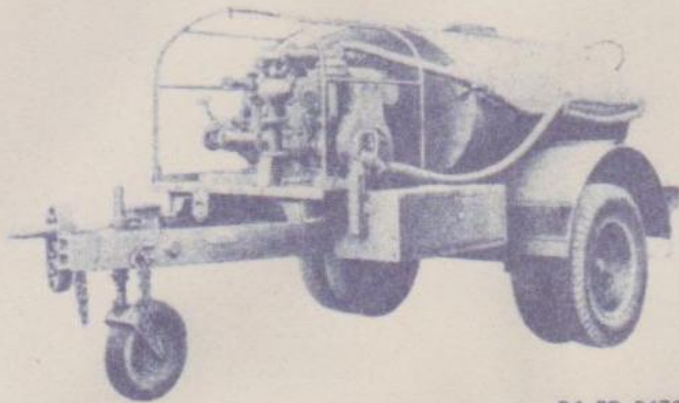
This unit assembled on Ordnance 1-ton cargo trailer, equipped with 500 gpm pumping unit.

Engine: Make—Dodge—Model T-118. Type—In-line 4-cycles.
No. of Cylinders—6; Displacement—236.6 cu in.; bore—3 1/4 in.; stroke—4 1/4 in. Brake horsepower—115 at 3,810 rpm.
Torque—190 ft-lb at 1,800 rpm.

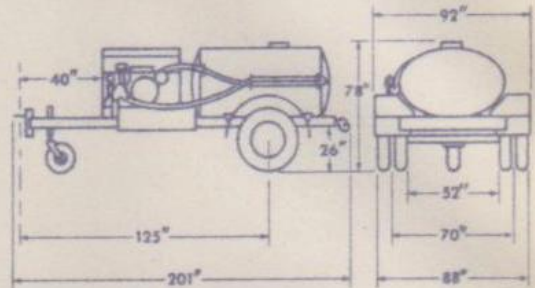
Pump: Make—Hale; Model—CF; Mounting engine—Bell housing.
Type—centrifugal.

Capacities: 500 GPM at 120 psi
250 GPM at 200 psi
167 GPM at 250 psi

TRAILER, FUEL SERVICING, 2W, 600 GAL, TYPE A-1



RA PD 347055



Technical Order: 19-25-38

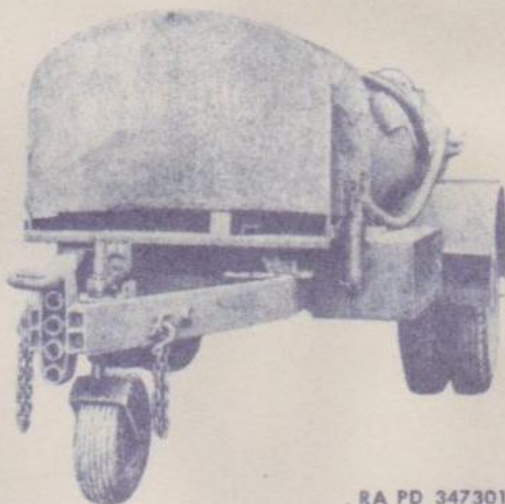
Manufacturer: Standard Steel Works.
Classification: Limited standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel and to service aircraft.

Weight (lb): Net—3,774 Payload—3,600 Gross—7,374
Weight distribution (lb):
Empty—Lunette, 590 axle—3,184
Loaded—Lunette, 600 axle—6,774

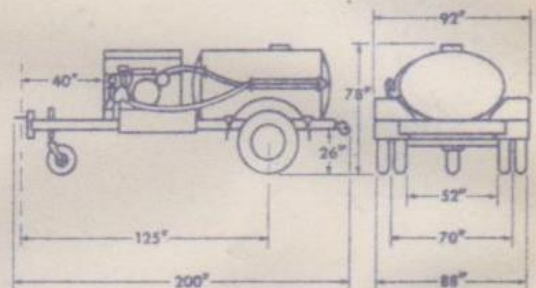
Tires: Ply—10 Size—7.50 x 20 operating—4
Maximum cool pressure (lb) Front landing wheel—20; rear—70
Ground clearance: (in.) 15
Brakes: Service—electric Parking—wheel chocks
Towing vehicles to be used: Any truck of 1½-ton, or greater capacity
Shipping dimensions, assembled vehicle: (cu ft) 835; (sq ft) 128

Lunette eye adjustable in height from 22½ in. to 34½ in.

TRAILER, FUEL SERVICING, 2W, 600 GAL., TYPE A-1A



RA PD 347301



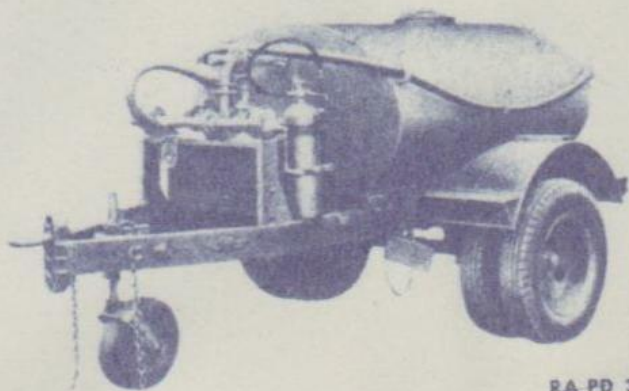
Weight (lb): Net—3,700 Payload—3,600 Gross—7,300
Weight distribution (lb):
Empty Lunette—590; axle—3,110
Loaded Lunette—600; axle—6,700
Loading height: (in.) 78
Tires: Ply—10 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—20; rear—70
Brakes: Service—electric
Towing vehicles to be used: L-2 oil servicing truck, or type F-3 fuel servicing truck, or M-2 high speed tractor.
Shipping dimensions, assembled vehicle: (cu ft) 835; (sq ft) 128
Pintle height (in.): Rear—26

Manufacturer: Standard Steel Works.
Classification: Standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel and to service aircraft.

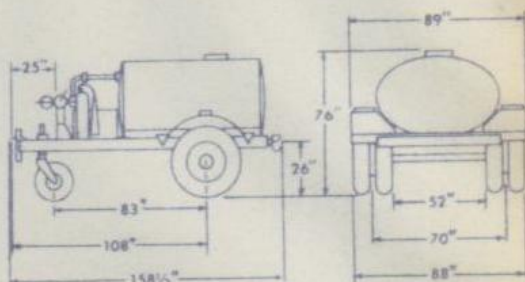
Body type: Tank

The A-1 and A-1A trailers are similar in appearance from the front only, since a hand-operated pump formerly mounted at the rear of the A-1 trailer has been moved to a location ahead of the tank in the type A-1A.

TRAILER, FUEL SERVICING, 2W, 600 GAL, TYPE A-3



RA PD 347054



Technical Order: 19-25-14

Manufacturer: Standard Steel Works.
Classification: Standard.
Purpose: Used by Army Air Forces to transport aircraft engine fuel and to service aircraft.

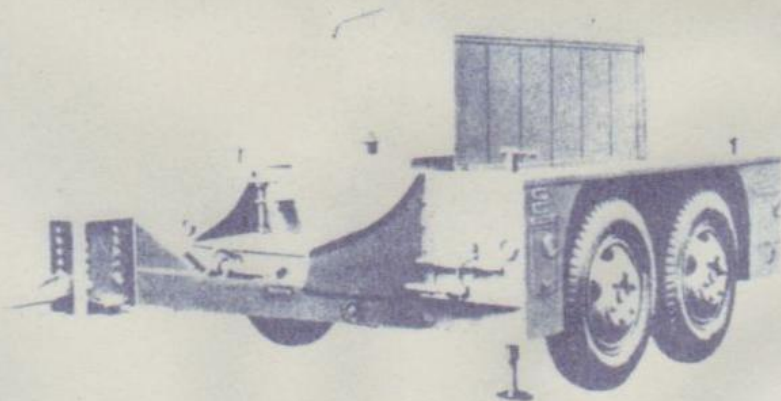
Body type:	Steel tank
Weight (lb): Net—2,960	Payload—3,600
	Gross—6,560
Weight distribution (lb):	
Empty—Lunette, 470	Axle—2,490
Loaded—Lunette, 720	Axle—5,840

Towing vehicle to be used:

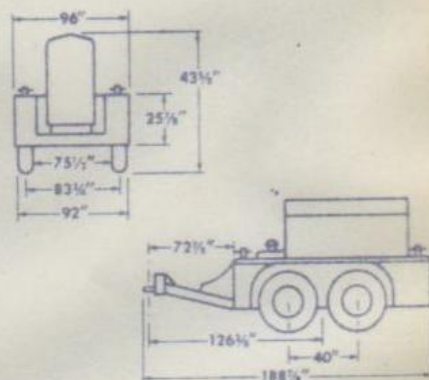
Truck 1½-ton, L2 or L3 fuel servicing truck, medium tractor M2
Tires: Ply—10 Size—7.50 x 20 operating—4
Maximum cool pressure (lb) Front landing wheel—20; rear—70
Ground clearance: (in.) 14
Brakes: Service—electric Parking—wheel chocks
Shipping dimensions, assembled vehicle: (cu ft) 621; (sq ft) 98

Lunette eye adjustable in height from 22½ in. to 34½ in.

TRAILER, GENERATOR, M7



RA PD 347357

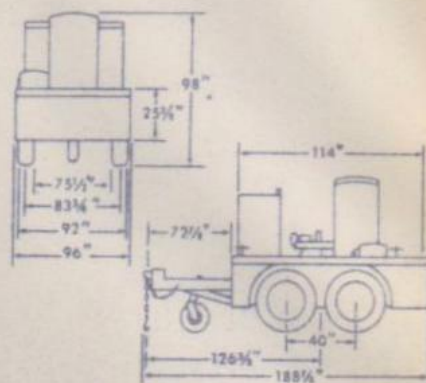
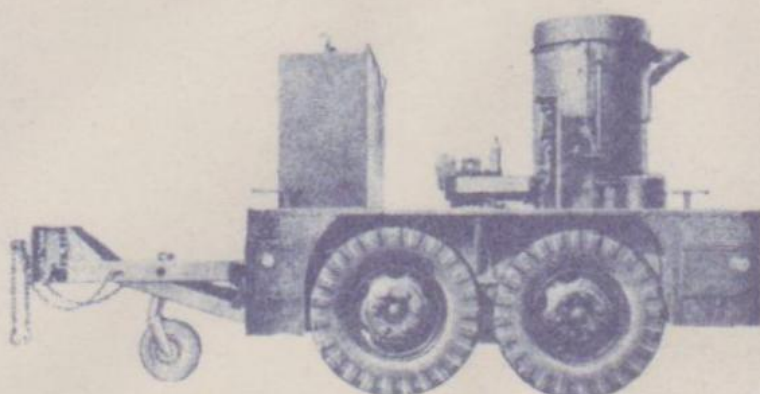


Technical Manual: 9-881
Parts List: SNL G-221

Manufacturers: Fruehauf Trailer Company; J. G. Brill Company.
Classification: Standard.
Make of vehicle illustrated: Brill; with generator unit.
Purpose: To transport generating units M7, M7A1, M15, M15A1 and M18.

Weight (lb): (without generator unit)	Net—4,150
Loading height:	(in.) 17 1/4
Tires: Ply—12 Size—7.50 x 20	Operating—4
Maximum cool pressure (lb)	Front—55; rear—55
Ground clearance:	(in.) 9 1/4
Brakes: Service	Warner-Electric
Towing vehicles to be used:	Truck, 2½-ton, 6 x 6, or greater capacity
Shipping dimensions, assembled vehicle: (cu ft) 457.5; (sq ft) 125.9	

TRAILER, 2-TON, 4W, W/SMOKE GENERATOR, M7



Technical Manual: 9-881
Parts List: SNL G-221

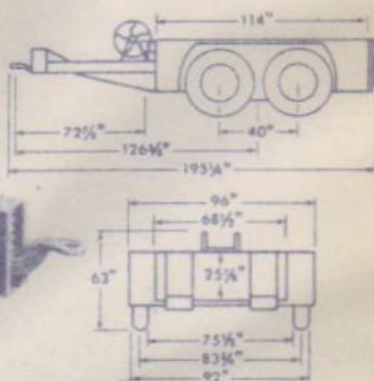
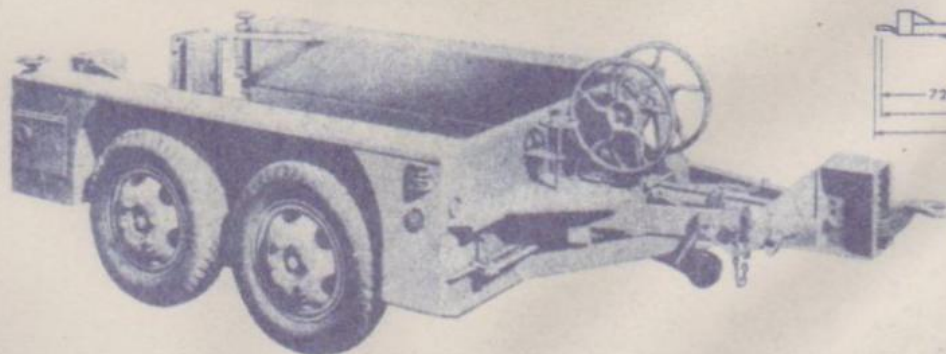
RA PD 347228

Manufacturer: J. G. Brill Co.
Classification: Standard.
Purpose: Used by Chemical Warfare Service to transport mobile smoke generating equipment.

Weight (lb): Net—4,150 Payload—4,000 Gross—8,150

Loading height: (in.) 17 3/4
Tires: Ply—12 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 9 1/4
Brakes: Service Warner Electric
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6 capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 1,019.8; (sq ft) 125.9

TRAILER, M18



RA PD 347255

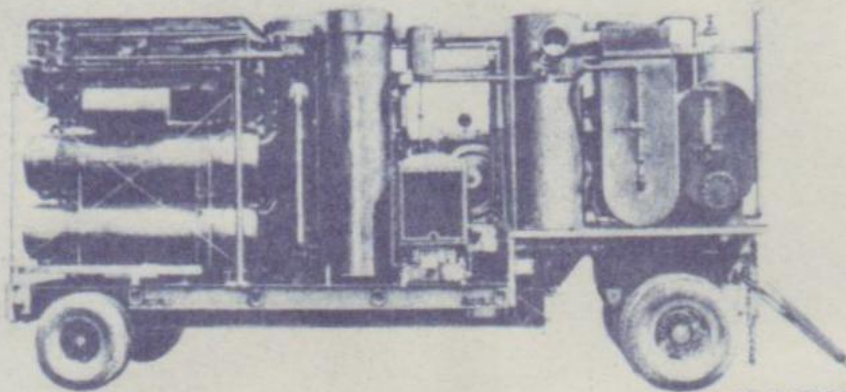
Technical Manual: 9-881
Parts List: SNL G-221

Manufacturers: Fruehauf Trailer Co.; J. G. Brill Co.
Classification: Standard.
Make of vehicle illustrated: Fruehauf.
Purpose: To transport generating units.

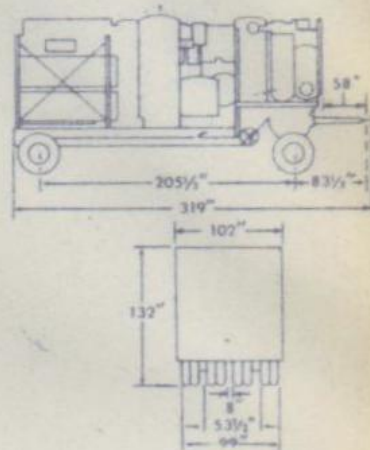
Weight (lb): Net—4,000

Weight distribution (lb): Front axle—2,000; rear axle—2,000
Loading height: (in.) 17 3/4
Tires: Ply—12 Size—7.50 x 20 Operating—4
Maximum cool pressure (lb) Front—55; rear—55
Ground clearance: (in.) 9 1/4
Brakes: Service Warner Electric
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6 capacity or greater
Shipping dimensions, assembled vehicle: (cu ft) 583.3; (sq ft) 130.1

**GENERATOR AND CHARGING PLANT, HYDROGEN
AND CARBON DIOXIDE, METHANOL WATER TYPE,
LOW PRESSURE, 4,000 CFH HYDROGEN, 156 LB
PER HOUR, CARBON DIOXIDE, TRAILER MOUNTED**



RA PD 347186



Technical Manual 3-1984

Manufacturer: Girdler Corp.
Classification: Standard.

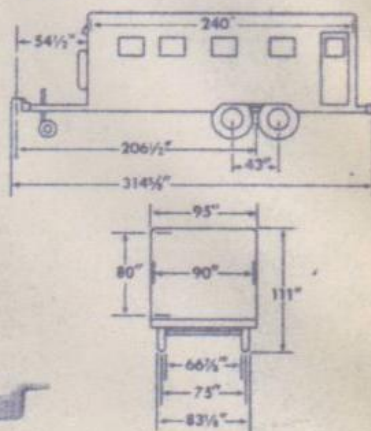
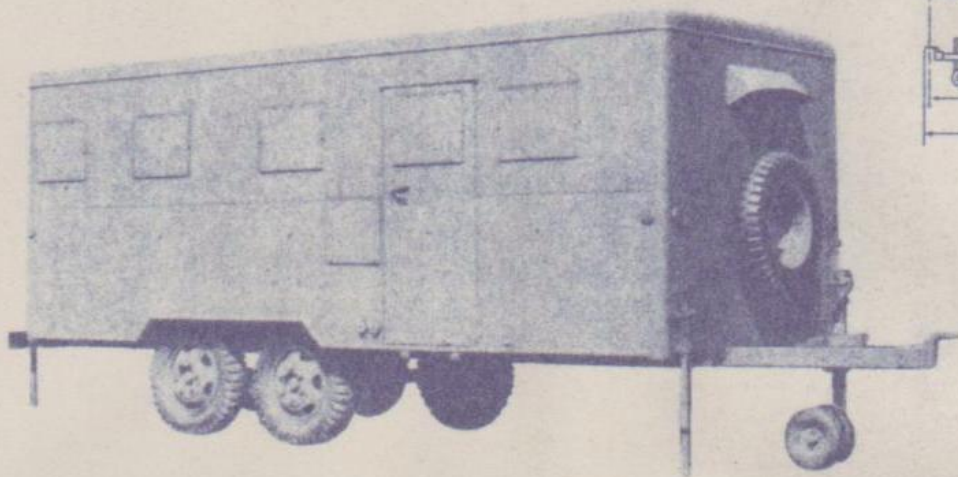
Purpose: Used by Corps of Engineers to provide mobile gas generating and bottle charging facilities.

GENERAL DATA

Weight (lb): Gross—33,000
 Weight distribution (lb):
 Loaded Front axle—14,420; rear axle—18,580
 Tires: Front—Ply—10 Size—9.00 x 20 (spare 1) Operating—4
 Rear—Ply—12 Size 8.25 x 15 Operating—Rear—8
 Maximum cool pressure (lb) Front—55; rear—65
 Rear tread:
 Center to center (in.) 70 1/4
 Outside to outside (in.) 93 1/2
 Inside to inside (in.) 70 1/4
 Brakes: Service—Bendix-Westinghouse—air Parking—hand
 Towing vehicles to be used: Truck, 6-ton, 6 x 6
 Shipping dimensions, assembled vehicle: (cu ft) 2,486; (sq ft) 226

ADDITIONAL DATA

TRAILER, 1½-TON PAYLOAD, 6-TON GROSS, 4W, HOUSE, K-35 AND K-65



Parts List: SNL G-699

RA PD 346963

Manufacturers: Checker Cab Manufacturing Co.; Meteor Motor Cab Co.

Classification: K-35 Substitute Standard; K-65 Standard when part of radio set SCR-270.

Make of vehicle illustrated: Checker Cab.

Purpose: Used by Army Air Forces to house and transport equipment, and as operations van.

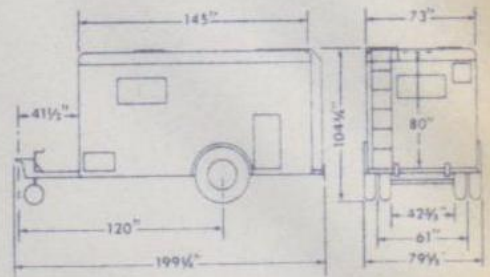
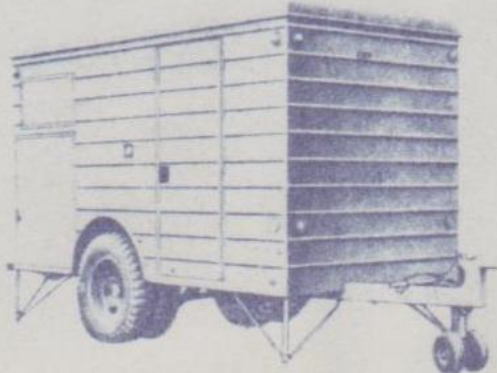
GENERAL DATA

Body type: House type van, insulated
 Weight (lb):
 Net—9,000 Payload—3,000* Gross—12,000*
 Weight distribution (lb):
 Empty—Lunette, 1,255 Axle—7,745
 Loaded—Lunette, 1,500 Axle—10,500
 Loading height (empty): (in.) 28½
 Tires: Ply—8 Size—7.50 x 20; Spare—1; Operating 4
 Maximum cool pressure (lb) 55
 Ground clearance: (in.) 10
 Brakes: Service Electric
 Towing vehicles to be used: Truck, 5-6 ton, 4 x 4
 Shipping dimensions,
 assembled vehicle: (cu ft) 1,920; (sq ft) 208

ADDITIONAL DATA

*Rated weights; actual weights vary with equipment carried. Trailer K-65 identical with Trailer K-35 except for modification by installation of cabinets, racks, and work tables for operating spares, tools and test equipment of Radio Set SCR-270.

TRAILER, 3-TON GROSS, 2W, HOUSE, K-29



Parts List: SNL G-785

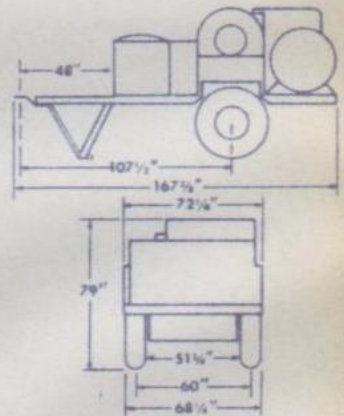
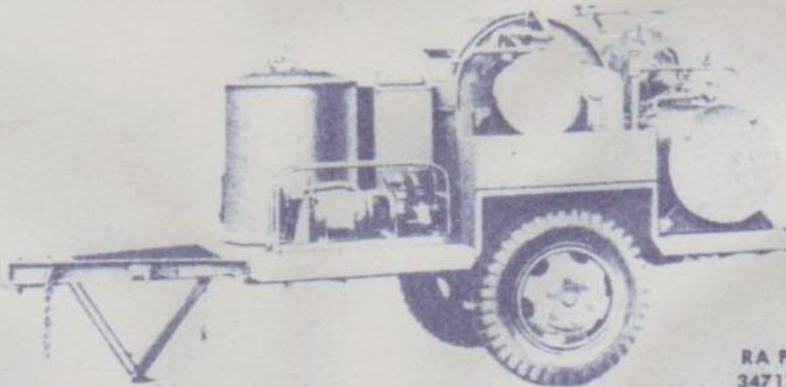
RA PD
346992

Manufacturer: Adam Black and Sons, Inc.
Classification: Standard when part of radio set SCR-277.
Purpose: Used by Army Air Forces to house and transport radio equipment.

Body type: Van
Weight (lb): Net—3,500 Payload—3,500 Gross—7,000

Weight distribution (lb):
Loaded—Lunette, 600 Axle—6,400
Tires: Ply—8 Size—7.50 x 20 Operating 4
Maximum cool pressure (lb): 55
Ground clearance: (in.) 12
Towing vehicles to be used: Truck, 1 1/2-ton capacity or greater—
with pintle.
Shipping dimensions, assembled vehicle: (cu ft) 962; (sq ft) 110

TRAILER LAUNDRY, MOBILE, 2-TRAILER TYPE, TRAILER No. 1



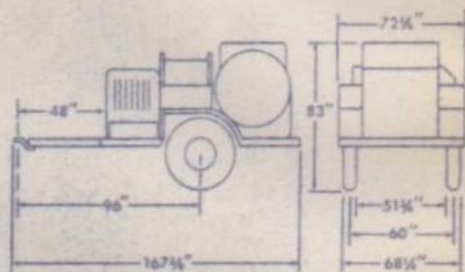
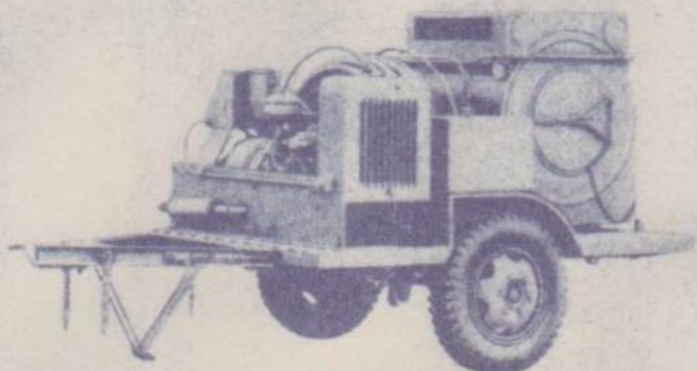
RA PD
347174

Manufacturers: U.S. Hoffman Machine Corp.; American Machine and Metals, Inc.; Trailers by Fruchauf Co.
Classification: Standard.
Make of vehicle illustrated: 2-Trailer Mobile Laundry.
Purpose: Used by Q.M. Corps to provide mobile Field Laundry Service.

Weight: (lb) Net—4,800 Payload—3,000 Gross—7,800

Weight distribution (lb): Empty—Lunette—250 Axle—4,550
Loaded—Lunette—300 Axle—7,500
Loading height: (in.) 28
Tires: Ply—10 Size—7.50 x 20 Operating—2
Maximum cool pressure (lb) 75
Ground clearance (loaded): (in.) 12
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6
Shipping dimensions, assembled vehicle:
Draw bar and lunette removed: (cu ft) 552.8; (sq ft) 84
Pintle height (rear): Center line: (in.) 24 1/2

TRAILER LAUNDRY, MOBILE, 2-TRAILER TYPE, TRAILER No. 2



RA PD 347175

Manufacturers: U. S. Hoffman Machine Corp.; American Machine and Metals, Inc.; Trailers by Fruehauf Co.

Classification: Standard.

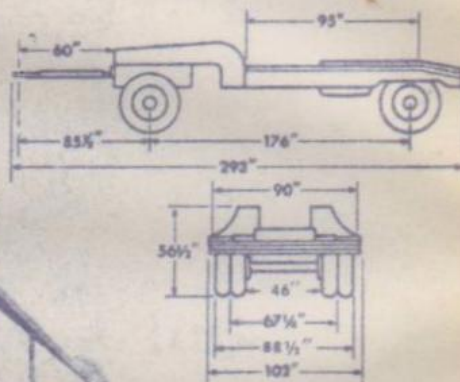
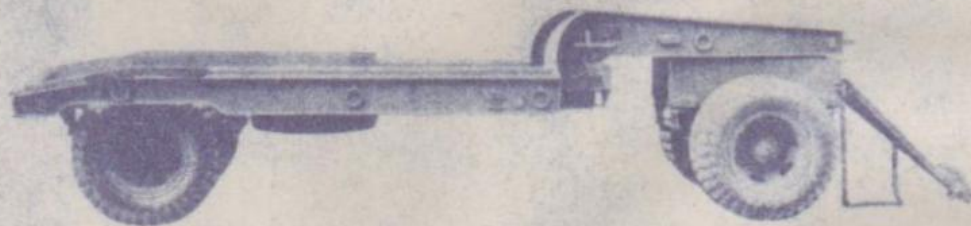
Make of vehicle illustrated: 2-Trailer Mobile Laundry.

Purpose: Used by Quartermaster Corps to provide mobile Field Laundry Service.

Weight (lb): Net—4,500 Payload—2,700 Gross—7,200

Weight distribution (lb): Empty—Lunette—235 Axle—4,265
Loaded—Lunette—275 Axle—6,925
Loading height: (in.) 28
Tires: Ply—10 Size—7.50 x 20 Operating—2
Maximum cool pressure: (lb) 75
Ground clearance (loaded): (in.) 12
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6
Shipping dimensions, assembled: (cu ft) 580.8; (sq ft)* 84
Pintle height (rear): Center line: (in.) 24 1/2
Crated dimensions (in.): Length—164; width—82 1/4; height—79
*Drawbar and lunette removed.

TRAILER, 8-TON, FULL, LOW BED



Technical Manual: 5-9032

Manufacturers: Fruehauf Trailer Co., Winter-Weiss Co.

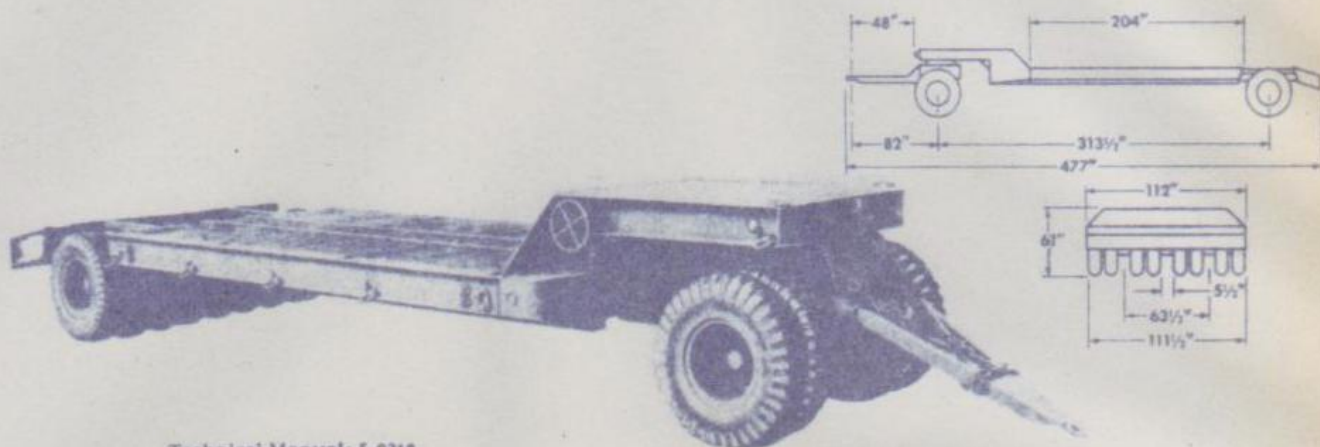
Classification: Standard.

Purpose: Used by Corps of Engineers to transport construction machinery or general cargo.

Body type: Flat bed
Weight (lb): Net—9,000 Payload—16,000 Gross—25,000

Weight distribution (lb): Empty: Front axle—4,400; rear axle—4,600
Loaded: Front axle—10,800; rear axle—14,200
Loading height: (in.) 36
Tires: Ply—10 Size—9.00 x 20 (spare 1) Operating—8
Maximum cool pressure (lb): Front—50; rear—65
Ground clearance: (in.) 17
Brakes: Service—Bendix-Westinghouse—air Parking—hand
Towing vehicles to be used: 4-ton, 6 x 6
Shipping dimensions, assembled vehicle: (cu ft) 953; (sq ft) 180
Center of kingpin to front of vehicle: (in.) 25 1/2

TRAILER, 20-TON, FULL, LOW BED



Technical Manual: 5-9218

RA PD 347085

Manufacturers: Rogers Bros. Corp.; Fruehauf Trailer Co.
Classification: Limited standard.

Make of vehicle illustrated: Rogers Bros. Corp. Model H-20-L-S-14.

Purpose: Used by Corps of Engineers to transport crawler mounted tractors, shovels and cranes.

Ground clearance: (in.) 18
Brakes: Service—air Parking—hand, mechanical
Weight (lb): Net—15,220 Payload—40,000 Gross 55,220

Weight distribution (lb):

Empty Front axle—7,050; rear axle—8,170
Loaded Front axle—18,050; rear axle—37,170

Loading height: (in.) 40

Tires:

Ply—Front 14; Rear 10; Size—Front 12.00 x 20; Rear 9.00 x 20;
Spare 1, 9.00 x 20 Operating—12

Maximum cool pressure (lb): Front—55; rear—55

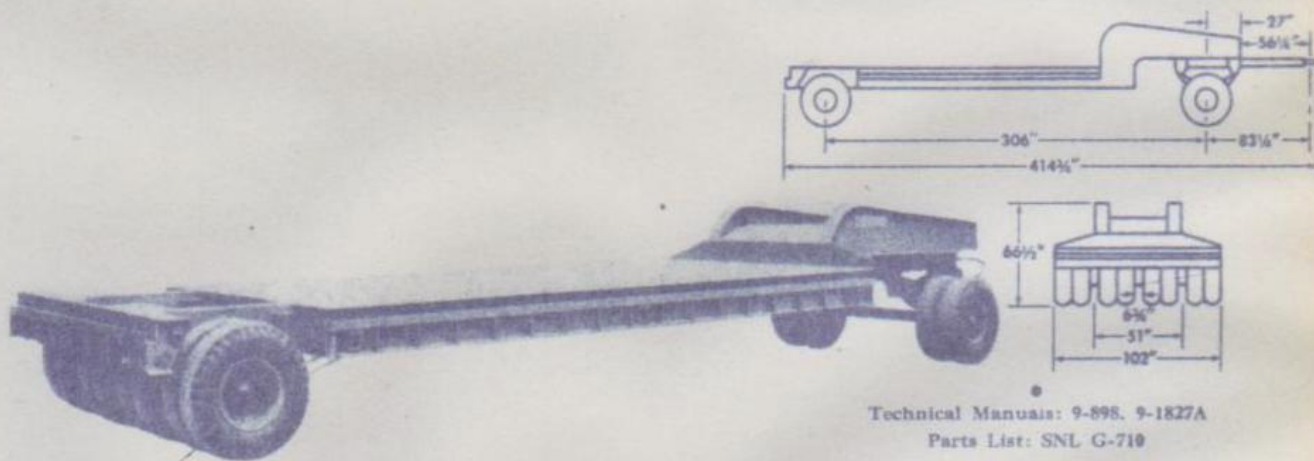
Towing vehicles to be used: Truck, 6 ton, 6 x 6, or tractor

Shipping dimensions, assembled vehicle:

(cu ft) 1,577.5 (sq ft) 310.3

Pintle heights (rear): (in.) 29

TRAILER, 22-TON, 6W, LOW BED



Technical Manuals: 9-898, 9-1827A

Parts List: SNL G-710

RA PD 347318

Manufacturer: Fruehauf Trailer Company.

Purpose: To transport heavy equipment and supplies.

Body type: Platform
Weight (lb): Net—13,350 Payload—44,000 Gross—57,350

Weight distribution (lb):
Empty Front axle—6,850; rear axle—6,500
Loaded Front axle—19,500; rear axle—37,850

Loading height: (in.) 34 1/4

Tires: Operating—12

Ply Front—8; rear—14

Size Front 9.00 x 20; rear 8.25 x 15

Maximum cool pressure (lb) Front—60; rear—100

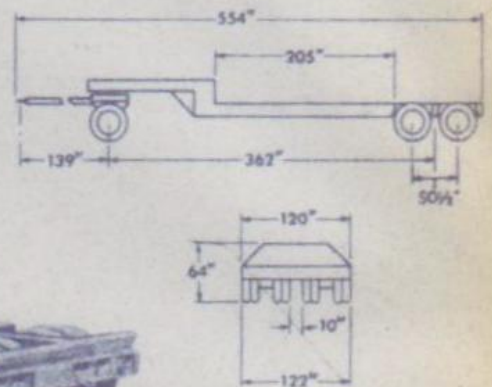
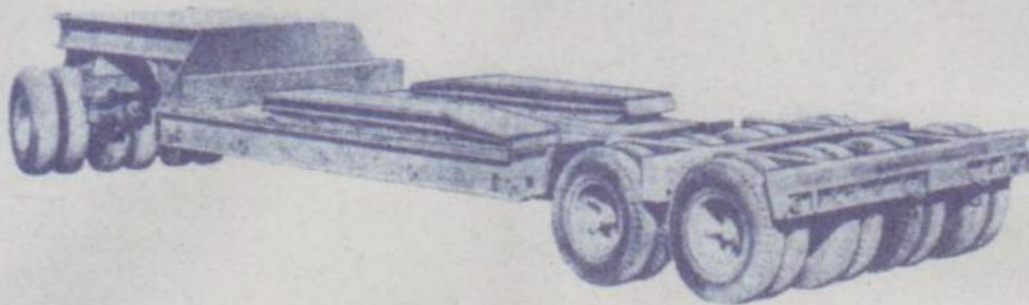
Ground clearance: (in.) 11 1/4

Brakes: Service—air Parking—hand mechanical

Towing vehicles to be used: Prime mover, 8-ton, 6 x 6

Shipping dimensions, assembled vehicle: (cu ft) 1,628; (sq ft) 293.7

TRAILER, 60-TON, FULL, LOW BED



RA PD 347110

Manufacturer: Rogers Bros. Corp.

Classification: Standard.

Make of vehicle illustrated: Rogers Bros. Corp., Model D-60-D-S.

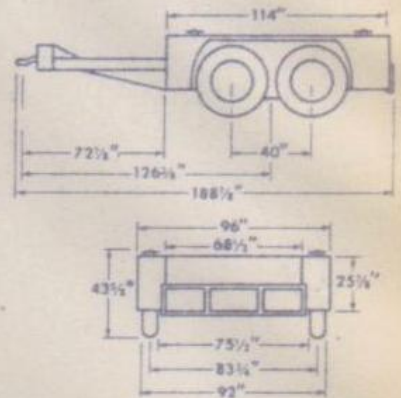
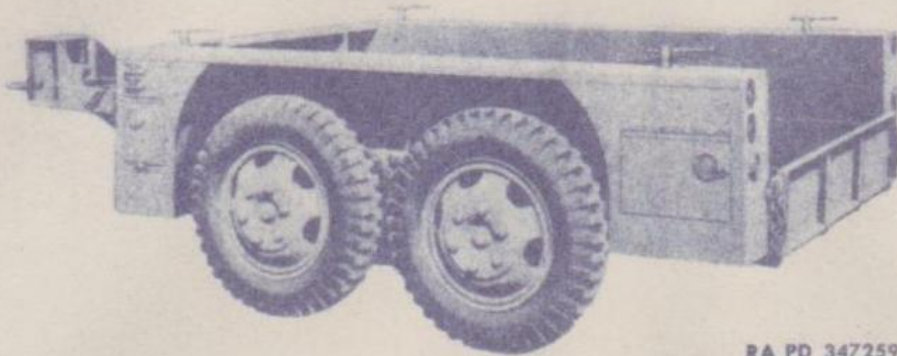
Purpose: Used by Corps of Engineers to transport heavy construction equipment.

GENERAL DATA

Body type: Flat bed
 Weight (lb): Net—34,000 Payload—120,000 Gross—154,000
 Weight distribution (lb):
 Empty Front axle—17,000; rear axle each—8,500
 Loaded Front axle—64,000; rear axle each—45,000
 Loading height: (in.) 33
 Tires:
 Front Ply—14; Size—12:00 x 20; Operating—8
 Rear Ply—10; Size—9:00 x 20; Operating—16
 Maximum cool pressure (lb) Front—75; rear—65
 Ground clearance: (in.) 11
 Brakes:
 Service: Bendix-Westinghouse—air ... Parking: hand—mechanical
 Towing vehicles to be used: Truck, 12-ton, 6 x 4 or tractor
 Shipping dimensions, assembled
 vehicle: (cu ft) 2503.2; (sq ft) 469.3

ADDITIONAL DATA

TRAILER, MOUNT, M17



RA PD 347259

Technical Manual: 9-851

Manufacturers: Fruehauf Trailer Co.; J. G. Brill Co.

Classification: Standard.

Make of vehicle illustrated: Fruehauf.

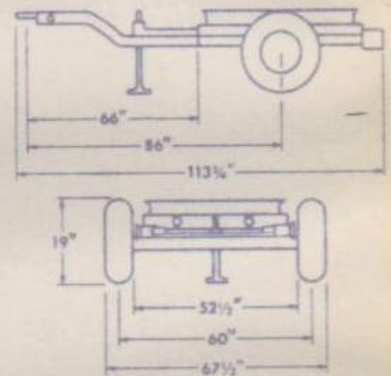
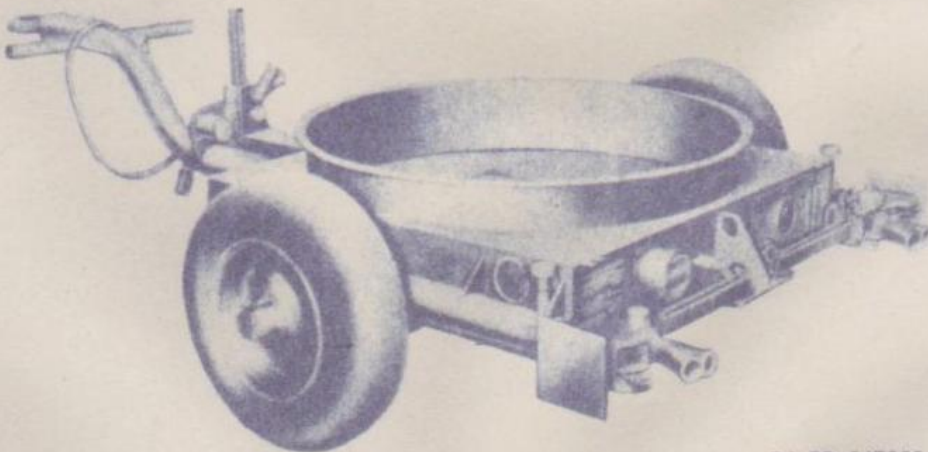
Purpose: To carry multiple cal. .50 machine gun mount M45, components of multiple gun carriage M51.

Weight (lb): Net—4,520

Weight distribution (lb):

Empty	Front axle—2,260; rear axle—2,260
Loading height:	(in.) 17 1/4
Tires: Ply—12	Size—7.50 x 20
Operating—4	Maximum cool pressure (lb)
Front—55; rear—55	(in.) 9 1/4
Ground clearance:	Brakes: Service
.....	Warner Electric
Towing vehicles to be used: Truck, 2 1/4-ton, 5 x 6 or greater capacity	
Shipping dimensions, assembled vehicle: (cu ft) 457.5; (sq ft) 125.9	

TRAILER, MOUNT, M20



Technical Manual: 9-789

Parts List: SNL G-226

RA PD 347355

Manufacturer: Brill and Krieger

Classification: Standard.

Purpose: To transport multiple cal. .50 machine gun mount M45C, and to afford a solid operating foundation when firing.

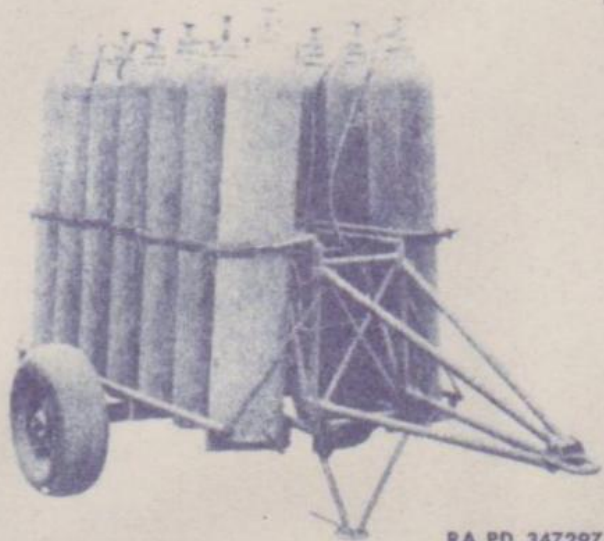
Weight (lb): Net—800 Payload—* Gross—3,750
 Tires: Ply—6 Size—7.25 x 11.50 Operating—2
 Maximum cool pressure (lb) 50

Weight distribution (lb):

Empty	Lunette—125; axle— 675
Loaded	Lunette—225; axle—3,525
Ground clearance:	(in.) 7
Towing vehicles to be used: Manpower, or 1/4-ton, 4 x 4 truck	
Shipping dimensions, assembled vehicle: (cu ft) 84.4; (sq ft) 53.3	

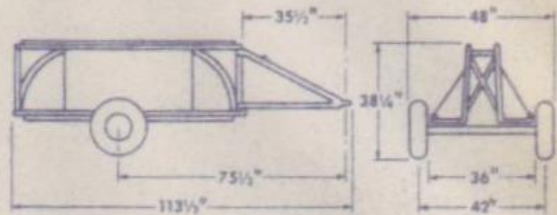
*Weight of Mount M45C and accessories (lb) 2,950
 Part of multiple gun carriage, M55.

TRAILER, 2W, OXYGEN SERVICING, TYPE E-1



RA PD 347297

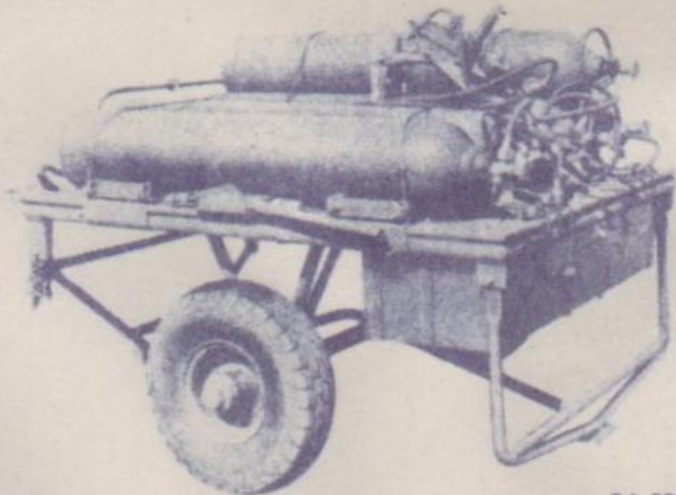
Manufacturer: The Colson Corporation.
 Classification: Standard.
 Purpose: Used by Army Air Forces for oxygen servicing of airplanes.



Technical Order: 19-25-73

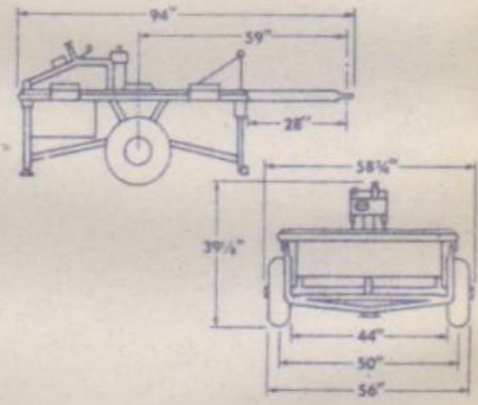
Body type:	Rack, tubular steel, welded
Weight (lb): Net—500	Payload—2,000 Gross—2,500
Weight distribution (lb):	
Empty	Lunette—50; axle—450
Loaded	Lunette—80; axle—2,420
Loading height:	(in.) 13
Tires: Ply—6	Size—6.00 x 9 Operating—2
Maximum cool pressure:	(lb) 55
Ground clearance:	(in.) 8 1/2
Towing vehicles to be used: Any truck equipped with pintle hook	
Shipping dimensions, assembled vehicle: (cu ft) 80; (sq ft) 26	

TRAILER, 2W, OXYGEN SERVICING, TYPE E-2



RA PD 347298

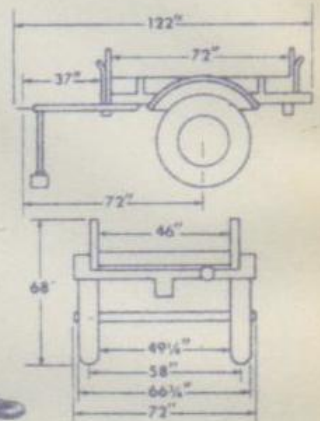
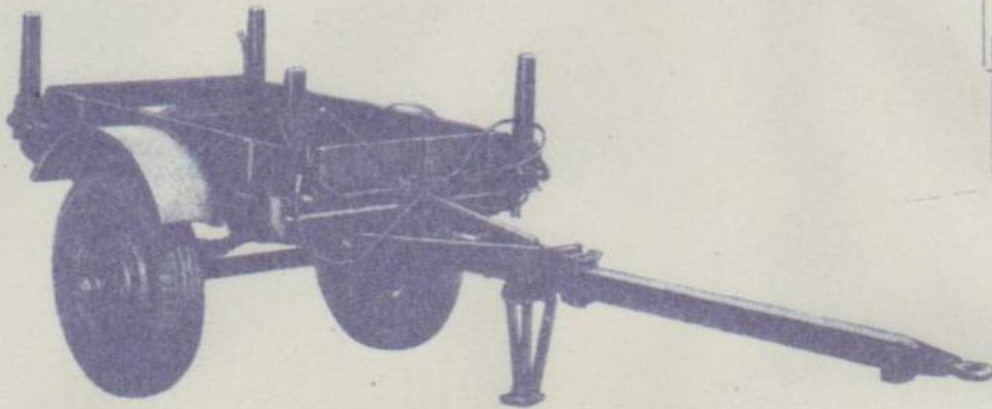
Manufacturers: Ohio Tubular Products Co.; Pacific Fabricating Co.
 Purpose: Used by Army Air Forces for oxygen servicing of airplanes.



Body type:	Tube steel, welded
Weight (lb): Net—250	Payload—900 Gross—1,150

Weight distribution (lb):	
Empty	Lunette—50; axle—200
Loaded	Lunette—50; axle—1,100
Loading height:	(in.) 27
Tires: Ply—6	Size—6.00 x 9 Operating—2
Maximum cool pressure:	(lb) 55
Ground clearance:	(in.) 8 1/2
Towing vehicles to be used: Any truck with pintle hook	
Shipping dimensions, assembled vehicle: (cu ft) 92; (sq ft) 27 1/2	

TRAILER, 2-TON PAYLOAD, 2W, POLE HAULING AND CARGO, K-36



RA PD 346988

Parts List: SNL G-686

Manufacturer: Highway Trailer Co.; American Coach and Body Co.

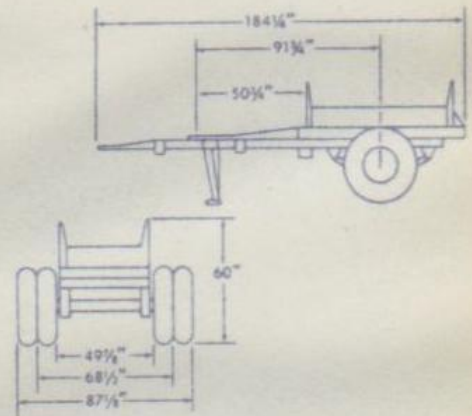
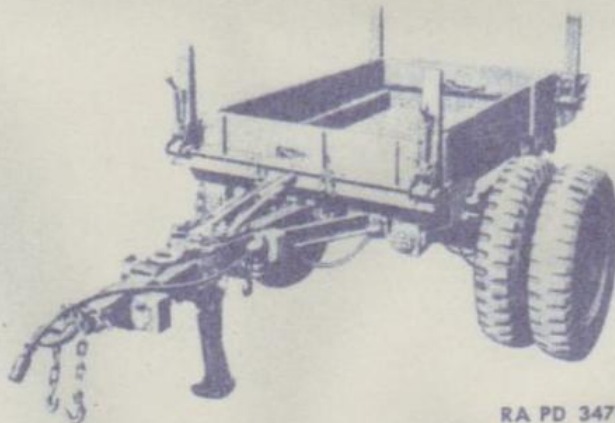
Classification: Limited Standard.

Purpose: Used by Signal Corps to transport poles for telephone lines, or general cargo.

Body type: Cargo—conversion

Weight (lb): Net 1,815	Payload—4,000	Gross—5,815
Loading height (approx.):		(in.) 42
Tires: Ply—8	Size—8.25 x 20	Operating 2
Maximum cool pressure (lb):		65
Ground clearance:		(in.) 16
Brakes: Service		Electric
Towing vehicles to be used: Truck 1½-ton, 4 x 4, K-42, capacity or greater.		
Shipping dimensions, assembled vehicle:		(cu ft) 346; (sq ft) 61

TRAILER, 3½-TON PAYLOAD, 2W, POLE HAULING AND CARGO, V-13/GT



RA PD 347240

Manufacturers: Various.

Classification: Substitute standard.

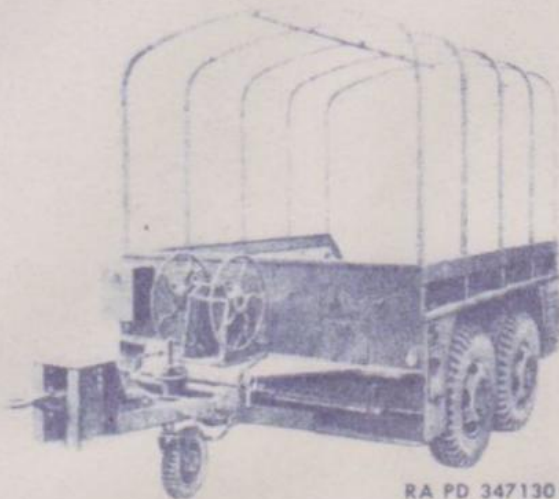
Purpose: Used by Signal Corps for construction and maintenance of telephone and telegraph pole lines.

Weight (lb): Net—2,400 Payload—7,000 Gross—9,400
 Weight distribution (lb):
 Empty Lunette—150; axle—2,250

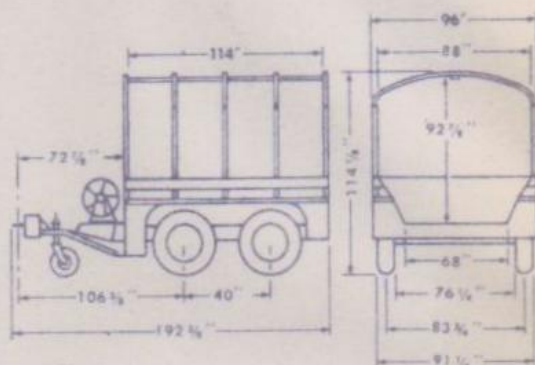
Loading height:		(in.) 40½
Tires: Ply—8	Size—7.50 x 20	Operating—4
Maximum cool pressure		(lb) 55
Brakes:		Service—electric
Towing vehicles to be used: Truck, 2½-ton capacity or greater.		
*Shipping dimensions, assembled vehicle: (cu ft) 556; (sq ft) 111		

*Shipping dimensions may be reduced by removal of tongue extension and pole stanchions to 74 sq ft and 251 cu ft.

TRAILER, TILTING TYPE, SEARCHLIGHT, 60-INCH, 4W, M1



RA PD 347130



Technical Manuals: 9-881, 5-7844

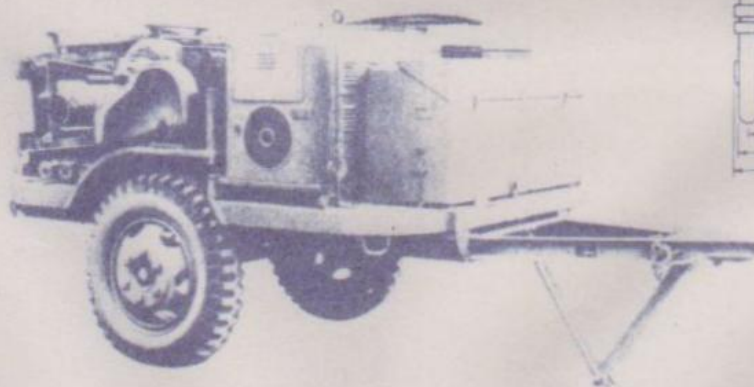
Manufacturer: Fruehauf Trailer Co.
 Classification: Corps of Engineers standard.
 Purpose: Used by Corps of Engineers to transport searchlight equipment.

GENERAL DATA

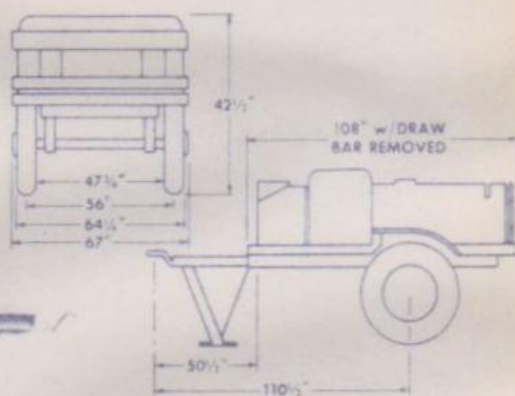
Weight (lb): Net—5,180 Payload—4,000 Gross—9,180

Weight distribution (lb): Empty Lunette—200; axle—4,980
 Loaded Lunette—200; axle—8,980
 Tires: Ply—8 Size—7.50 x 20 Operating—4
 Maximum cool pressure (lb) Front—55; rear—55
 Ground clearance: (in.) 7 Loading height: (in.) 18
 Brakes: Service—electric Parking—hand-mechanical
 Towing vehicles to be used: Truck 2 1/2-ton, 6 x 6 or Tractor
 Shipping dimensions, assembled vehicle: (cu ft) 422; (sq ft) 108

TRAILER, 2W, SHOE REPAIR



RA PD 347173

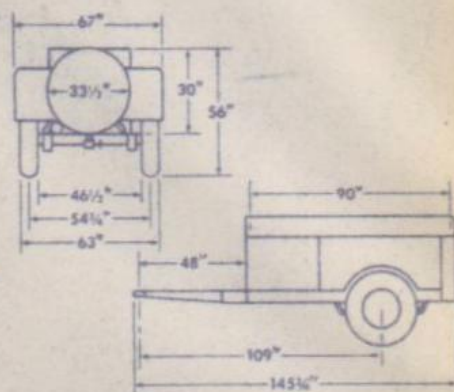
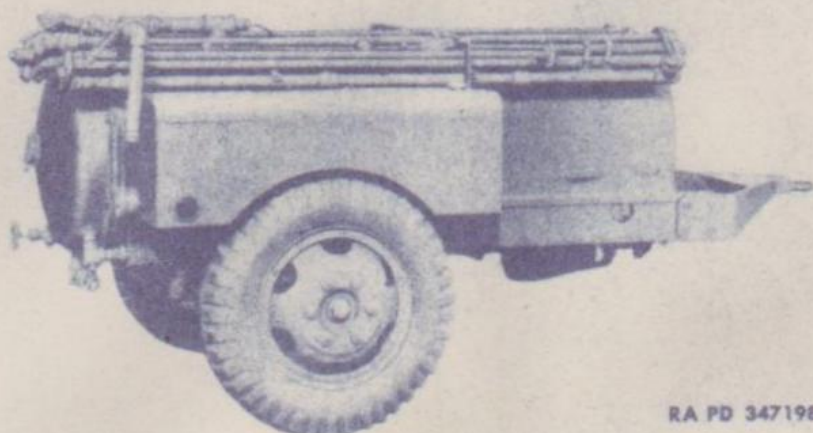


Manufacturer: McCabe-Powers Auto Body Co.
 Classification: Standard.
 Make of vehicle illustrated: McCabe-Powers Two-Wheel Trailer.
 Purpose: Used by Q.M. Corps to provide mobile field repair of shoes.

Weight (lb):
 Uncrated—Net—1,750 Payload—2,950 Gross—4,700

Weight distribution (lb):
 Empty—Lunette—124 Axle—1,626
 Loaded—Lunette—300 Axle—4,400
 Loading height: To deck (in.) 34
 Tires: Ply—10 Size—7.50 x 20 Operating—2
 Maximum cool pressure (lb) (lb) 75
 Ground clearance: (in.) 16
 Towing vehicles to be used: 2 1/2-ton, 6 x 6, cargo truck
 Shipping dimensions, assembled vehicle: (cu ft) 368; (sq ft) 63
 Pintle height (rear): (in.) 26 1/4

TRAILER, 2W, SHOWER BATH



Technical Manual: 18-1616

RA PD 347198

Manufacturer : Orr and Sembower, Inc.

Classification: Standard.

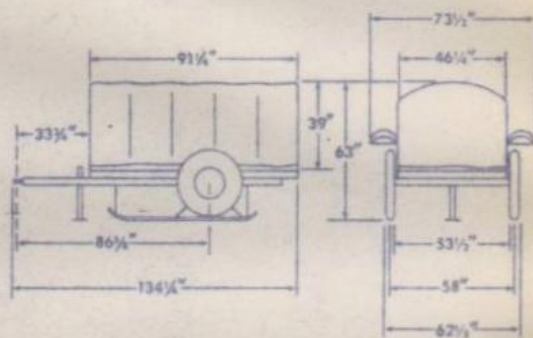
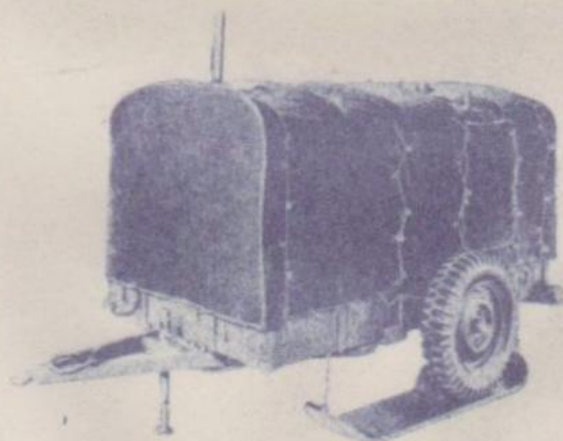
Make of vehicle illustrated: Orr and Sembower, Model 2B-24.

Purpose: Used by Quartermaster Corps to provide mobile facilities for bath.

Weight (lb): Net—3,800 Payload—440 Gross—4,240

Weight distribution (lb):	
Empty—Lunette—225	Axle—3,575
Loaded—Lunette—275	Axle—3,965
Loading height:.....	(in.) 29
Tires: Ply—10	Size—7.50 x 20: Operating—2
Maximum cool pressure.....	(lb) 75
Ground clearance:.....	(in.) 12
Brakes:.....	Parking—chuck blocks
Towing vehicles to be used: Truck, cargo	2 1/2-ton, 6 x 6
Shipping dimensions, assembled vehicle: (cu ft) 321; (sq ft) 69	

TRAILER, 1-TON, SNOW, M19



Technical Manuals: 9-774,
9-1774

RA PD 347112

Manufacturer: Allis-Chalmers Mfg. Co.

Purpose: To transport aircraft engine heater and booster equipment, and litters for sick or wounded personnel.

Body type:..... Wood and steel construction

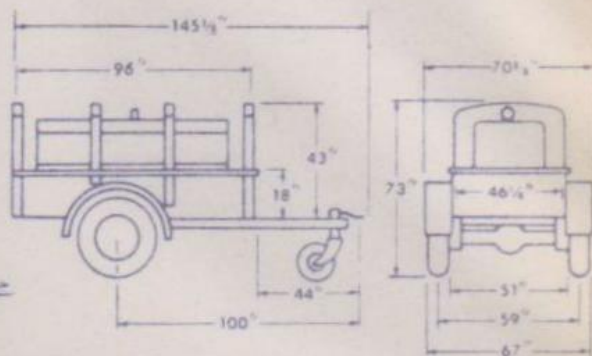
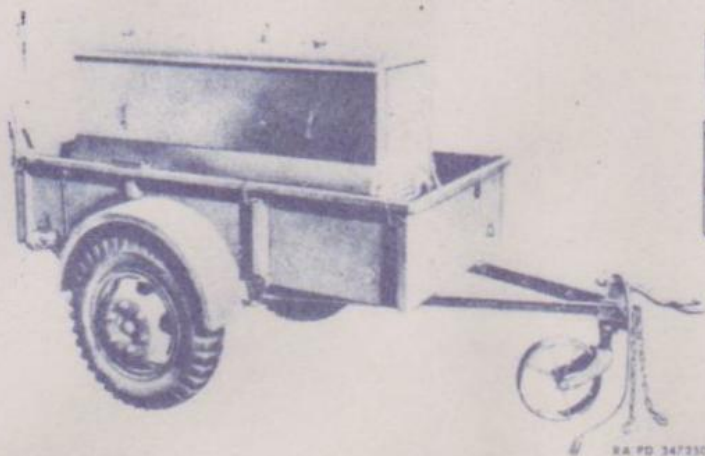
Weight (lb): Uncrated—Net—640; Payload—2,000; Gross—2,640

Vehicle dimensions:*

Inside height..... (in.) 39

Weight distribution (lb):	
Empty.....	Lunette—75; axle—565
Loaded.....	Lunette—315; axle—2,325
Loading height:.....	(in.) 19
Tires: Ply—6	Size—6.00 x 16..... Operating—2
Ground clearance:.....	(in.) 16 1/2
Towing vehicles to be used:.....	Snow tractor, M7
Pintle height (in.):.....	Rear—15
Shipping dimensions:.....	(cu ft) 356.8; (sq ft) 68.5
*When skis are used on trailer as sled, over-all width is 64 1/2 in.	

TRAILER, 1-TON, 2-W, TIRE REPAIR, LOAD A, M25



Technical Manual: 9-883
Parts Lists: SNL G-518, 234

Manufacturer: Same as listed for Ordnance, 1-ton Cargo Trailers.

Classification: Standard.

Purpose: To transport generator, 25KW, to supply power for mobile tire repair unit.

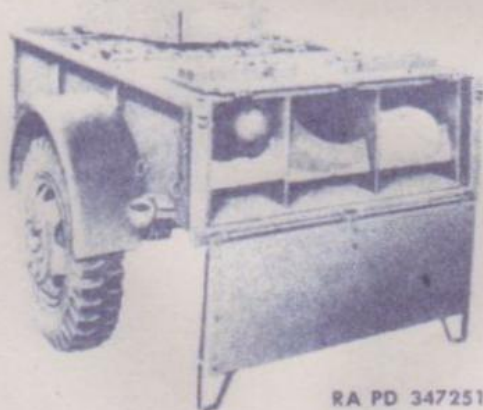
GENERAL DATA

Body type: Cargo, wood or steel with stake sides and canopy
Weight (lb): Net—1,300 Payload—2,500 Gross—3,800

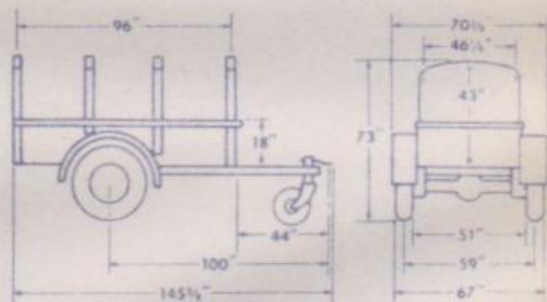
Weight distribution (lb):

Empty	Lunette—150; axle—1,150
Loaded	Lunette—280; axle—3,520
Loading height:	(in.) 31 1/4
Tires: Ply—8	Size—7.50 x 20
Maximum cool pressure	(lb) 55
Ground clearance:	(in.) 15
Brakes:	Parking—hand, parking only
Towing vehicles to be used:	This unit built around basic vehicle truck, 2 1/2-ton, 6 x 6, mobile shop
Shipping dimensions, assembled vehicle:	(cu ft) 431.5; (sq ft) 71

TRAILER, 1-TON, 2-W, TIRE REPAIR, LOAD B, M-25



RA PD 347251



Technical Manual: 9-883
Parts Lists: SNL G-234, G-518

Manufacturer: Same as listed for Ordnance, 1-ton Cargo Trailers.

Classification: Standard.

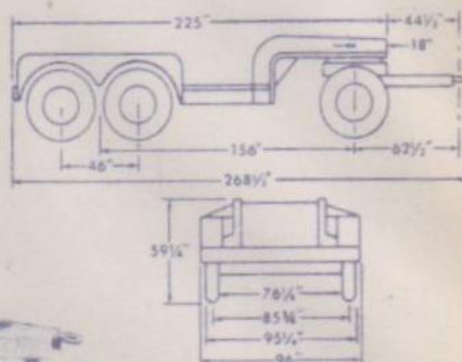
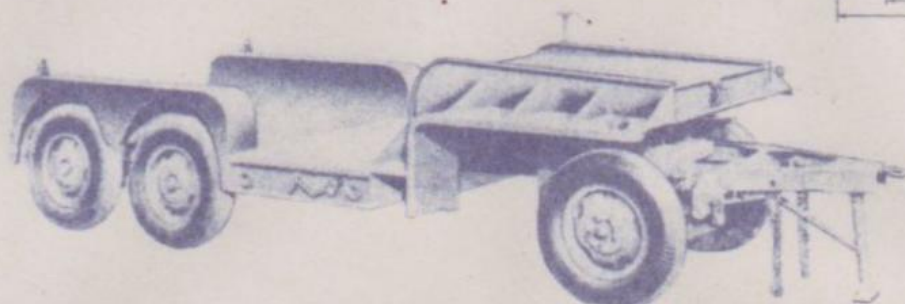
Purpose: To transport tire buffers, extra large matrices, head plate, bags for mobile tire repair unit, and water and gasoline in 5-gallon tanks for servicing power unit in Trailer A.

Body type: Cargo, wood or steel, with stake sides and canopy
Weight (lb): Net—1,300 Payload—1,050 Gross—2,350

Weight distribution (lb):

Empty	Lunette—150; axle—1,150
Loaded	Lunette—220; axle—2,130
Loading height:	(in.) 31 1/4
Tires: Ply—8	Size—7.50 x 20
Maximum cool pressure	(lb) 55
Ground clearance:	(in.) 15
Brakes:	Parking—hand, parking only
Towing vehicles to be used:	This unit built around basic vehicle truck, 2 1/2-ton, 6 x 6, mobile shop
Shipping dimensions, assembled vehicle:	(cu ft) 431.5; (sq ft) 71

TRAILER, TRACTOR CRANE, 7-TON, M6



Technical Manual: 9-794

RA PD 347356

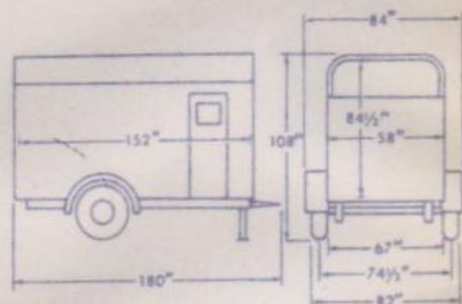
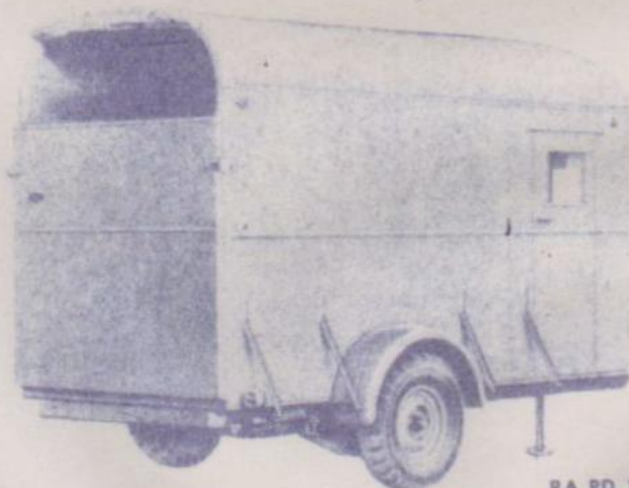
Manufacturer: Fruehauf Trailer Co.
 Classification: Limited standard.
 Make of vehicle illustrated: Fruehauf—w/Dolly
 Purpose: To transport Tractor Crane T26.

Tires: Ply—12 Size—8.25 x 20 Operating—4
 Maximum cool pressure (lb) Front—75; rear—75
 Ground clearance: (in.) 8
 Brakes: Service—Warner Electric Parking—mechanical
 Towing vehicles to be used: Truck, 4-ton, 6 x 6

Weight (lb): Net — * Payload—14,000-16,000 Gross — **
 Loading height: (in.) 29

As full trailer *9,860; **25,860
 As semitrailer *7,810; **24,810

TRAILER, 1-TON 2W, 2-HORSE, VAN



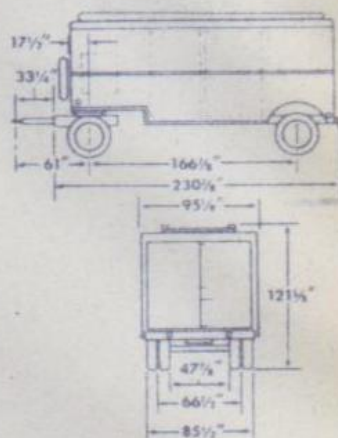
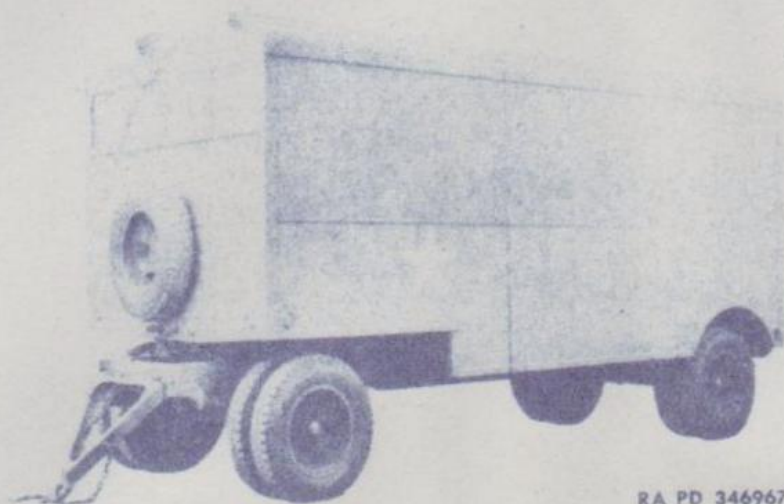
RA PD 347248

Manufacturers: Bartlett Mfg. Co.; A. J. Miller; Porto Products; Schult Plimpton.
 Classification: Standard.
 Make of vehicle illustrated: Schult.
 Purpose: To transport horses.

Weight (lb): Net—2,300 Payload—2,400 Gross—4,700
 Loading height: (in.) 21
 Tires: Ply—6 Size—7.50 x 16 Operating—2
 Maximum cool pressure (lb) 40
 Ground clearance: (in.) 13 1/2
 Brakes: Service—electric
 Towing vehicles to be used:
 Any vehicle with pintle hook of 1 1/2-ton, 4 x 2, or greater capacity
 Shipping dimensions, assembled vehicle: (cu ft) 945; (sq ft) 105

Body type: Van

TRAILER, 5-TON PAYLOAD, 4W, VAN, K-34



Technical Manuals: 11-1056,
11-2503
Parts List: SNL G-697

RA PD 346967

Manufacturers: A. J. Miller (Auto Cruiser Trailer Co.),
Inc.; Superior Trailer Mfg. Co.
Classification: Standard.

Make of vehicle illustrated: A. J. Miller.

Purpose: Used by Antiaircraft Artillery to house and
transport radio equipment.

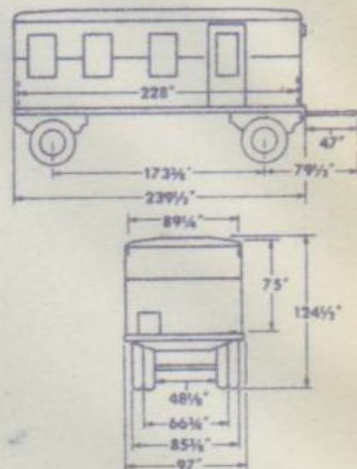
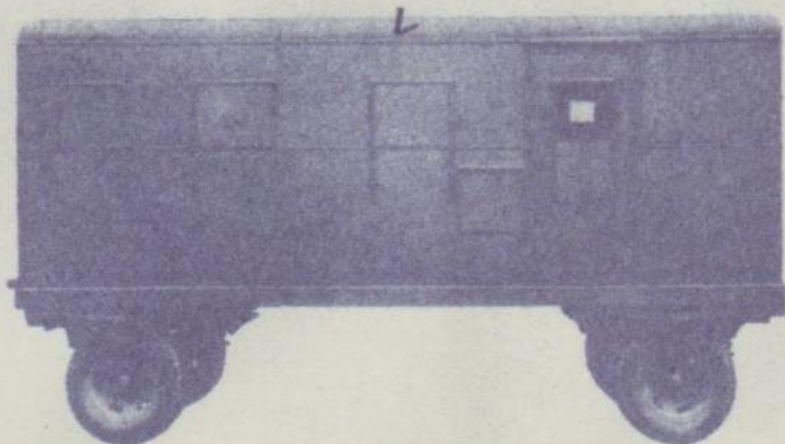
GENERAL DATA

Body type:	Van	
Weight (lb):		
Net—8,600	Payload—10,000	Gross—18,600
Weight distribution (lb):		
Loaded	Front axle—8,558; rear axle—10,042	
Tires: Ply—8	Size—7.50 x 20; Spare—1; Operating—	8
Maximum cool pressure (lb):	Front—55; rear—55	
Ground clearance:	(in.) 13 1/2	
Brakes: Service—Air	Parking—Hand	
Towing vehicles to be used:	Truck, 6-ton, 6 x 6, K-56	
Shipping dimensions,		
assembled vehicle:	(cu ft) 1,543; (sq ft) 153	
Fifth wheel: Size 30 in.;	Type—rigid plate	

ADDITIONAL DATA

K-34-D and K-34-E equipped with air brakes; earlier models with
electric brakes.

TRAILER, 7-TON GROSS, 4W, VAN, K72



RA PD 347118

Parts List: SNL G-661

Manufacturer: A. J. Miller (Auto Trailer Cruiser Company), Inc.

Classification: Standard when part of Radio Unit SCR-527-A.

Purpose: Used by Army Air Forces to house and transport radio equipment.

Body type: House
Weight (lb): Net—7,500 Payload—5,000 Gross—12,500

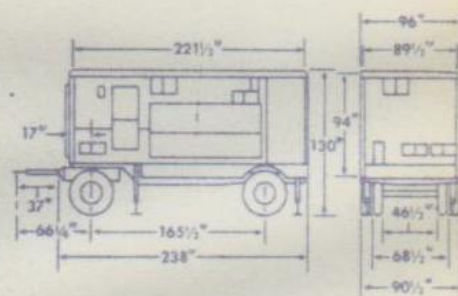
Weight distribution (lb):

Empty Front axle—4,000; rear axle—3,500
Loaded Front axle—6,500; rear axle—6,000
Loading height: (in.) 47 1/2 Ground clearance (in.) 14
Tires: Ply—8 Size—7.50 x 20 Operating—8
Maximum cool pressure (lb): Front—55; rear—55
Brakes: Service—electric
Towing vehicles to be used: Truck, 2 1/2-ton, 6 x 6, K-60
Shipping dimensions, assembled vehicle: (cu ft) 1,674; (sq ft) 162
Pintle height: (in.) 37

TRAILER, 12-TON GROSS, 4W, VAN, V-5/MPN-1



RA PD 346970



Parts List: SNL G-724

Manufacturers: Standard Auto Body; Adam Black and Sons, Inc.

Classification: Standard when part of radio set AN/MPN-1.

Purpose: Used by Army Air Forces to house and transport radio equipment.

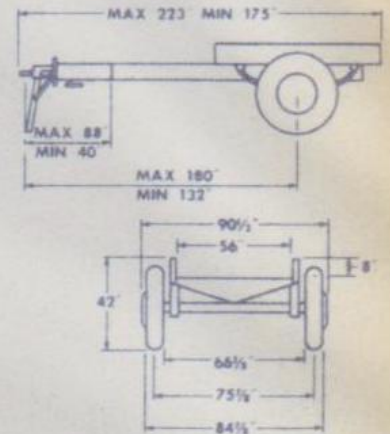
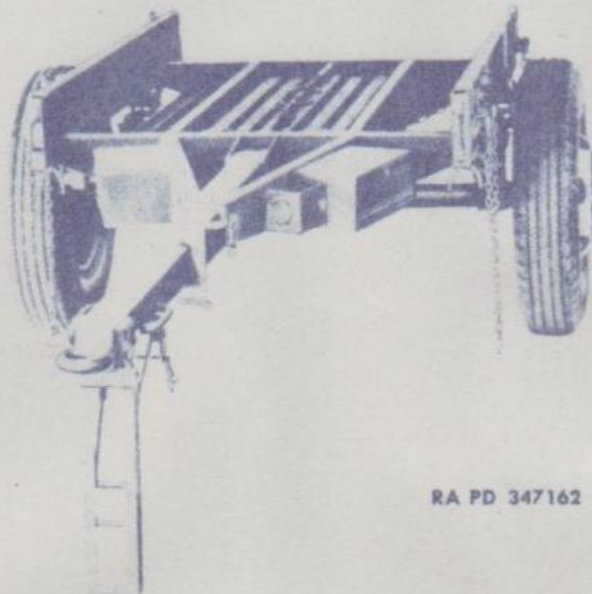
GENERAL DATA

Body type: Special van
Weight (lb): Gross—23,140

Weight distribution (lb):

Loaded Front axle—10,160; rear axle—12,980
Loading height: (in.) 36 Ground clearance: (in.) 16
Tires: Ply—10 Size—9.00 x 20 Operating—8
Maximum cool pressure (lb): Front—65; rear—65
Brakes: Service—air Parking—hand
Towing vehicles to be used: Truck, 4-ton, 6 x 6, cargo
Shipping dimensions, assembled vehicle: (cu ft) 1,719; (sq ft) 159
Fifth wheel: Size—30 Type—rigid plate
Supersedes trailer V-2/MPN-1.

TRAILER, 2½-TON, 2W, UTILITY, POLE TYPE



Technical Manuals: 5-9030, 5-9072, 5-9074, 5-9182, 5-9190

RA PD 347162

Manufacturers: Deere and Co.; Van Brunt Mfg. Co.;
Electric Wheel Co.; Kentucky Mfg. Co.; Rex Trailer Co.
Classification: Standard.

Purpose: *Used by Corps of Engineers to transport bridging equipment.

GENERAL DATA

Body type:	Special purpose
Weight (lb): Net—2,400 Payload (variable*)—5,000 Gross—7,400	
Weight distribution (lb):	
Empty—Lunette, 200	Axle—2,200
Loaded—Lunette, 400	Axle—7,000
Loading height:	(in.) 34
Tires: Ply—10	Size—9.00 x 20
Maximum cool pressure	Operating—2
Ground clearance:	(in.) 17
Towing vehicle to be used:	Truck, 2½-ton, 6 x 6
Shipping dimensions, assembled vehicle: (cu ft) 385; (sq ft) 110	

ADDITIONAL DATA

*The same basic trailer, equipped with special adapters is used to transport 5 different loads.

Type I Infantry support, raft equipment or pneumatic bridge equipment.

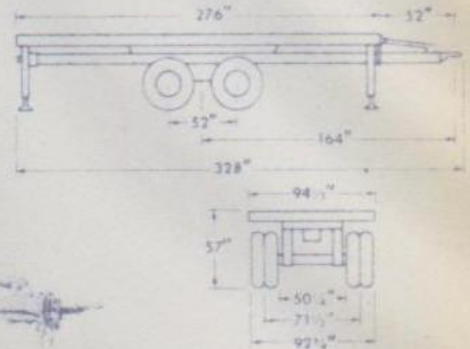
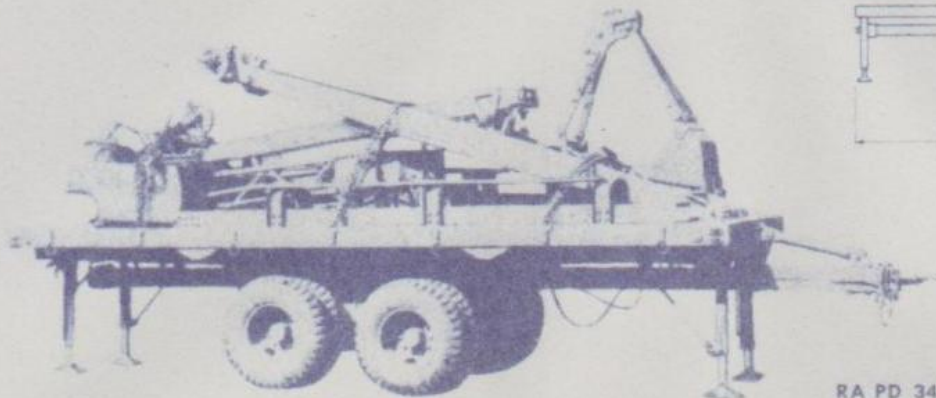
Type II Trestle bay load, 10-ton ponton bridge.

Type III Triangulation tower.

Type IV Utility power boat.

Type V Storm boats.

TRAILER, 4W, POLE TYPE, FLAT BED, 7-TON, 3/8 CU YD TRUCK CRANE ATTACHMENTS



RA PD 347291

Manufacturer: Eidal Manufacturing Co. (Trailer).

Classification: Standard (Chassis only).

Purpose: Used by Corps of Engineers for transporting
3/8 cu yd shovel attachments.

Body type:		Flat bed
Weight (lb): Net—9,500	Payload—8,600	Gross—18,100
Loading height:		(in.) 55

Tires: Operating Single—4; dual—8
 Ply: Single—12; dual—10 Size: Single—14 00 x 20; dual—9.00 x 20
 Maximum cool pressure (lb): Single—25; dual—35
 Ground clearance: (in.) 13
 Brakes: Service—Bendix-Westinghouse Air
 Towing vehicles to be used:

Crane, truck mounted 3/8 cu yd. (4-ton, 4 x 4)

Shipping dimensions, assembled vehicle: (cu ft) 1,022.4 (sq ft) 215.2

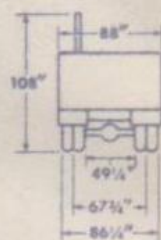
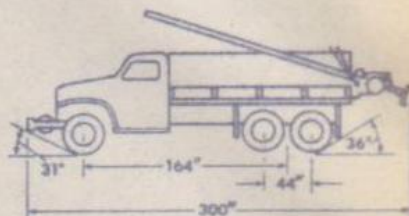
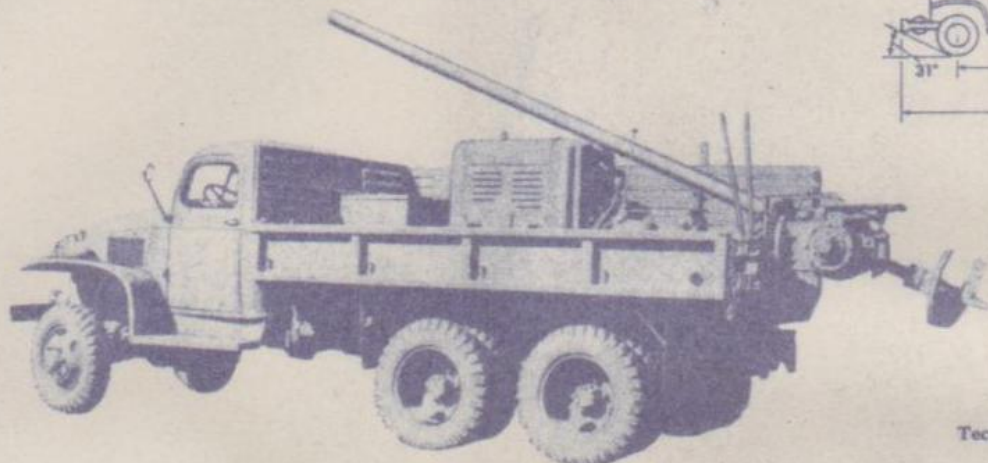
Trailer, except for decking, is the same as the trailer, 4W, special tandem, 7 to 14-ton.

Tread single tires (in.): center to center—73 1/2; outside to outside—87 1/4; inside to inside—59 1/4.

Section XX. Trucks

AUGER, EARTH, SKID MOUNTED, GASOLINE ENGINE DRIVEN

This item is not itself a vehicle,
but is mounted on a truck or a D-7 tractor.



Technical Manual: 5-9132

RA PD 347192

Manufacturers: Chassis: General Motors Truck & Coach
Division (GMC); Auger and Equipment: Highway
Trailer Co.

Classification: Standard.

Make of vehicle illustrated: Truck: 2½-ton, 6 x 6, cargo
(GMC).

Purpose: Used by Corps of Engineers for boring holes
9 to 20 in. in diameter.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,050	Payload—5,100
Gross—16,150	
Rear axle: Gear ratio:	6.66:1
Axle load (lb):	
Loaded:	Front—4,850; rear—5,650 (on each)
Empty:	Front—4,620; rear—3,215 (on each)
Tires: Ply—8; Size—7.50 x 20; Operating—10; Pressure (lb)	55
Tread, center to center (in.):	Front—60
Vehicle dimensions:	
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 40
Cooling system:	(qt) 19
Crankcase:	(qt) 7½
Transfer case:	(qt) 3
Transmission (main):	(qt) 6½
Differentials (each) (qt): Front—3; bogie front—3; rear—2½	
Winch (load capacity):	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7½

Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

Data on Auger:
Engine: Make—Continental; Model—PF-226; Displacement—226 cu. in.; Bore and stroke—3½ x 4½ in.; Brake horsepower—55 at 1800 rpm; Maximum governed speed—1,800 rpm; Electric system—12-volt magneto; Capacity—Fuel—16 gal. gasoline; Cooling system—16 qt water, Crankcase—5 qt oil, Transmission—6 qt oil.

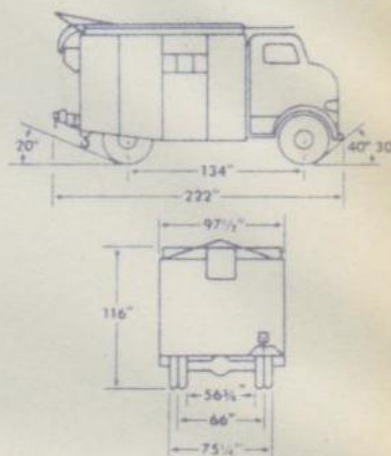
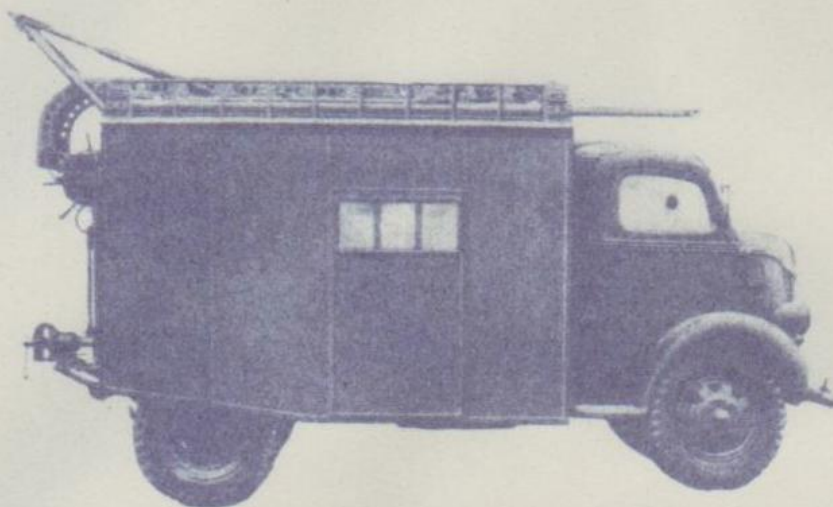
Above data given for vehicles with split type axle.

For banjo type axle data as follows:

Brake dimensions (in.):	Front—2
Treads:	
Front:	(in.) 60
Rear, center to center:	(in.) 67½
Outside to outside:	(in.) 85
Inside to inside:	(in.) 49

Capacities:	
Transfer case:	(qt) 2½
Differentials (qt):	Front—6½; bogie front—6½; rear—5½

SHOP, MOTORIZED, AVIATION BATTALION, TYPE A AND B



Technical Manuals: 5-9120, 5-9121,
5-9122, 5-9123, 5-9126, 5-9127

RA PD 347316

Manufacturer: Chassis: Ford Motor Co., 1½-ton, 4 x 2.
Equipment: Couse Laboratories.
Classification: Limited standard.

Make of vehicle illustrated: Couse—Load A.

Purpose: Used by Corps of Engineers, to provide mobile facilities for repair and maintenance.

GENERAL DATA

Crew:	2
Weight (lb):	Gross ±—18,000
Axles: Gear ratio:	6.5:1 and 9.02:1
Tires: 7, Ply 10; Size—8.25 x 20; Pressure (lb) Front—60; rear—60	
Tread, center to center (in.):	Front—68
Shipping dimensions: Uncrated	(cu ft) 1,453; (sq ft) 150.3
Ground clearance:	9
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 22
Cooling system	(qt) 23
Crankcase	Refill (qt) 5
Transmission (main)	(qt) 2½
Differential	(qt) 7½
Brakes: Manufacturer—Wagner	Type—Air hydraulic
Dimensions (in.)	2½
Transmission: Speeds	4
(Gear ratio: High—direct: Low—6.4)	

PERFORMANCE

Maximum computed gradability	(per cent) 42.5
Turning radius (ft):	Right—32; left—32
Fording depth (in.):	25
Fuel consumption (mpg)	Loaded 8
Cruising range (loaded):	(mi) 175
Allowable speed:	(mph) 40

ENGINE

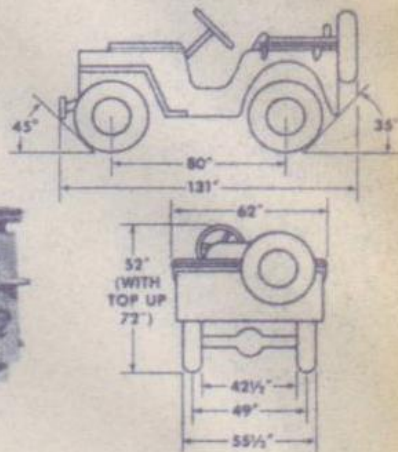
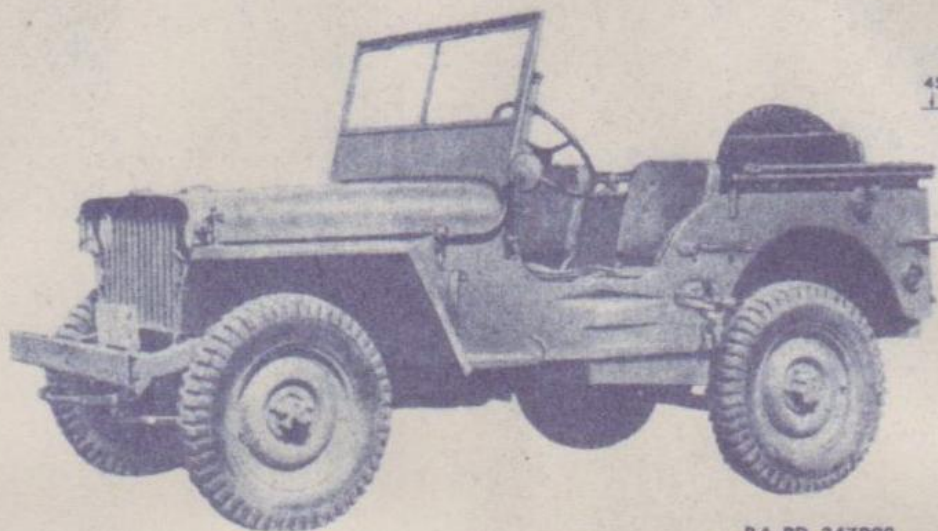
Manufacturer: Ford	Model 29W
Type: L-head, 90° V	No. of cylinders 8
Displacement:	(cu in.) 239

Bore:	(in.) 3.187
Stroke:	(in.) 3.75
Maximum governed speed:	(rpm) 3,800
Brake horsepower:	100 at (rpm) 3,800
Torque:	176 ft-lb at (rpm) 2,000

ADDITIONAL DATA

Dimensions of Couse - Load B:	
Length over-all (in.)	242
Width over-all (in.)	97½
Height over-all (in.)	128

TRUCK, 1/4-TON, 4 x 4, COMMAND RECONNAISSANCE



Technical Manuals: 9-803, 9-1803A, 9-1803B, 9-1825B, 9-1826A, 9-1827C, 9-1828A, 9-1829A

Parts List: SNL G-583

RA PD 347002

Manufacturer: Ford Motor Co.

Classification: Standard.

Purpose: To carry personnel, primarily for reconnaissance; to transport light cargo; to tow 37 mm. antitank gun. (Popularly known as "The Jeep.")

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb): Net—2,440		Payload—800	Gross—3,240
Rear axle: Gear ratio			4.875:1
Axle load (lb): Loaded		Front—1,275; rear—1,965	
	Empty	Front—1,230; rear—1,210	
Tires: Ply—6	Size—6.00 x 16; Pressure (lb)—Front—30; rear—30		
Tread, center to center (in.)		Front—49	
Shipping dimensions: Uncrated (cu ft)	244.4	(sq ft)	56.4
Vehicle dimensions:			
Ground clearance		(in.)	8 3/4
Pintle height (loaded)		(in.)	21
Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (68 octane gasoline)		(gal)	15
Cooling system		(qt)	11
Crankcase (refill)		(qt)	5
Transfer case		(qt)	1 1/2
Transmission		(qt)	1 1/2
Differential (qt)		Front—1 1/4; rear—1 1/4	
Brakes: Manufacturer—Bendix		Type—hydraulic	
Dimensions		(in.)	14 1/4
Transmission: Speeds			3
(Gear ratio: High—direct; Low—2.665:1)			
Transfer case: Speeds			2
(Gear ratio: High—direct; Low—1.97:1)			

PERFORMANCE

Maximum computed gradability:	(percent)	60
Turning radius (ft):	Right—17.5; left—17.5	
Fording depth:	(in.)	18
Fuel consumption (loaded):	(mpg)	20

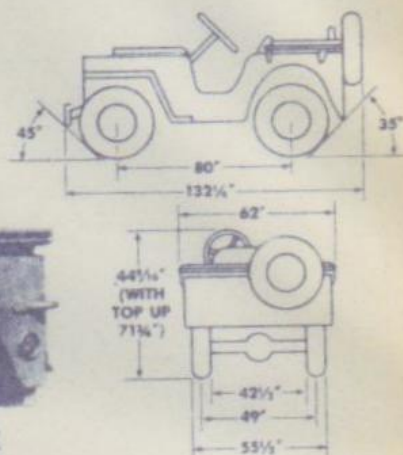
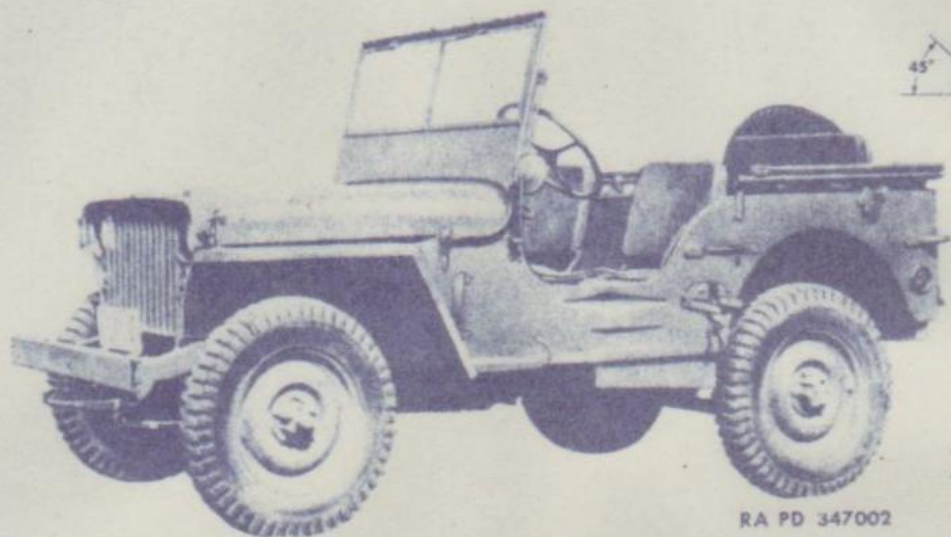
Cruising range (loaded):	(mi)	300
Allowable speed:	(mph)	65
Maximum recommended towed load (on highways):	(lb)	1,000

ENGINE

Manufacturer: Ford	Model GPW 442
Type: L-head, 4-cycle	No. of cylinders (in line) 4
Displacement:	(cu in.) 134
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	Not governed
Brake horsepower:	54 at (rpm) 3,700
Torque:	98 ft-lb at (rpm) 2,000

ADDITIONAL DATA

TRUCK, 1/4-TON, 4 x 4, COMMAND RECONNAISSANCE



RA PD 347002

Technical Manuals: 9-803, 9-1803A,
9-1803B, 9-1825B, 9-1826A, 9-1827C,
9-1828A, 9-1829A
Parts List: SNL G-503

Manufacturer: Willys-Overland Motors, Inc.
Classification: Standard.

Purpose: To carry personnel primarily for reconnaissance;
to transport light cargo; to tow 37 mm. antitank guns.
(Popularly known as "The Jeep.")

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb):	Net—2,450	Payload—800	Gross—3,250
Rear axle: Gear ratio:			4.88:1
Axle load (lb):	Loaded	Front—1,390; rear—1,860	
	Empty	Front—1,240; rear—1,210	
Tires: Ply—5; Size—6.00 x 16; Pressure (lb)—	Front—30; rear—30		
Tread, center to center (in.):		Front—49	
Shipping dimensions: Uncrated (cu ft)	211.6	(sq ft)	56.9
Vehicle Dimensions:			
Ground clearance		(in.)	8 1/4
Pintle height (loaded)		(in.)	21
Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (68 octane gasoline)		(gal)	15
Cooling system		(qt)	11
Crankcase (refill)		(qt)	4
Transfer case		(qt)	1 1/2
Transmission		(qt)	1/4
Differential (qt)		Front—1 1/4; rear—1 1/4	
Brakes: Manufacturer—Bendix		Type—hydraulic	
Dimensions		(in.)	13 1/4
Transmission: Speeds			3
(Gear ratio: High—direct; Low—2.665:1)			
Transfer case: Speeds			2
(Gear ratio: High—direct; Low—1.97:1)			

PERFORMANCE

Maximum computed gradability:		(percent)	58
Turning radius:		Right—17' 8"; left—18' 3"	
Fording depth:		(in.)	25
Fuel consumption (loaded):		(mpg)	24

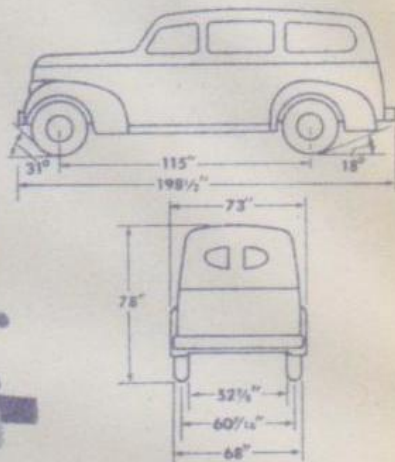
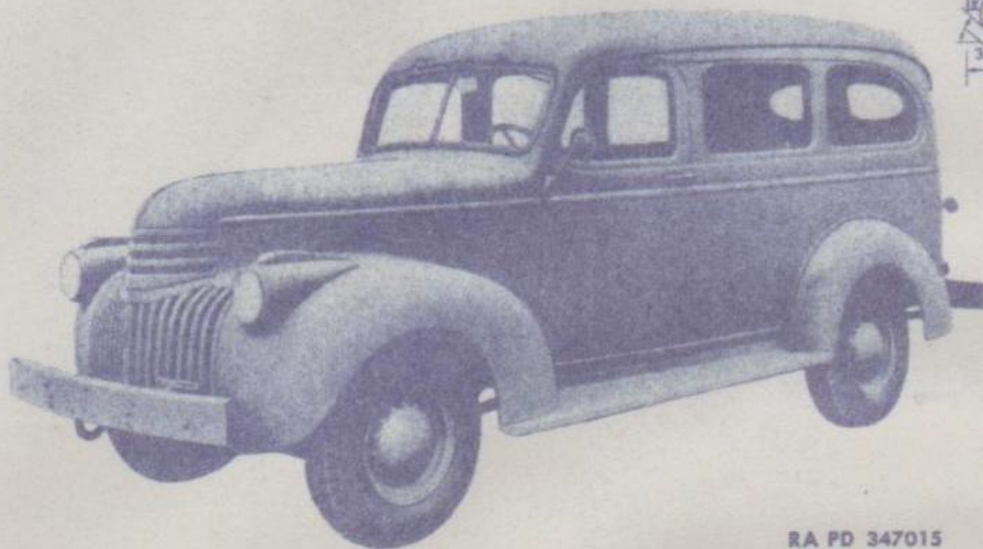
Cruising range (loaded):		(mi)	360
Allowable speed:		(mph)	65
Maximum recommended towed load (on highways):		(lb)	1,000

ENGINE

Manufacturer: Willys		Model:	442
Type: L-head, 4-cycle		No. of cylinders (in line)	4
Displacement:		(cu in.)	134.2
Bore:		(in.)	3 1/4
Stroke:		(in.)	4 3/4
Maximum governed speed:		Not governed	
Brake horsepower:		54 at (rpm)	4,000
Torque:		105 ft-lb at (rpm)	2,000

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 2, CARRYALL



Technical Manuals: 10-1251,
10-1303, 10-1308
Parts List: SNL G-612

RA PD 347015

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: To transport personnel and light cargo.

GENERAL DATA

Crew	1
Passengers (including crew)	8
Weight (lb): Net—3,625 Payload 1,000 Gross—4,625	
Rear axle: Gear ratio	4.11:1
Axle load (lb): Loaded Front—1,955; rear—2,670	
Empty Front—1,735; rear—1,890	
Tires: Ply—6 Size—7.50 x 15; Pressure (lb)—Front—30; rear—30	
Tread, center to center (in.): Front—57 1/2	
Shipping dimensions: Uncrated (cu ft) 653.9 (sq ft) 100.6	
Vehicle dimensions:	
Loading height (empty)	(in.) 27 1/2
Ground clearance	(in.) 8 1/2
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 16
Cooling system	(qt) 14
Crankcase (refill)	(qt) 5
Transmission	(qt) 3 1/2
Differential	(qt) 2 1/2
Brakes: Manufacturer—Chevrolet Type—hydraulic	
Dimensions	(in.) 13 1/2
Transmission: Speeds	3
(Gear ratio: High—direct; Low—2.94:1)	

PERFORMANCE

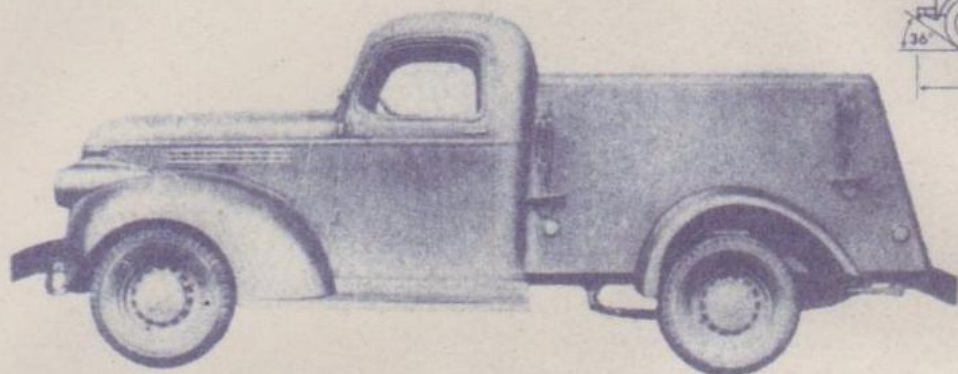
Maximum computed gradability	(percent) 25
Turning radius (ft): Right—19 1/2; left—20	
Fording depth	(in.) 18
Fuel consumption (loaded)	(mpg) 10
Cruising range (loaded)	(mi) 160
Allowable speed	(mph) 60

ENGINE

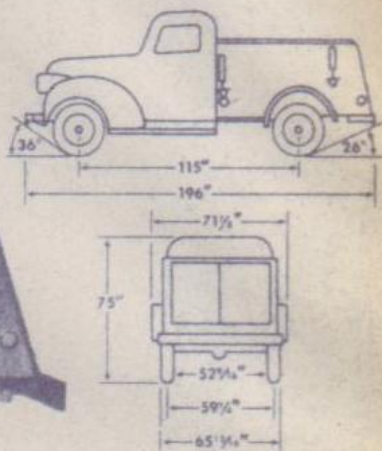
Manufacturer: Chevrolet	Model BD-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 216.5
Bore	(in.) 3 1/2
Stroke	(in.) 3 3/4
Maximum governed speed	(rpm) 3,100
Brake horsepower	81.5 at (rpm) 3,100
Torque	168 ft.-lb. at (rpm) 1,100

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 2, LIGHT MAINTENANCE AND INSTALLATION, K50



RA PD 347321



Technical Manuals: 10-1305,
10-1525
Parts List: SNL G-617

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Limited standard.

Purpose: Used by Signal Corps for telephone installation and maintenance.

GENERAL DATA

Crew	2
Weight (lb):	Gross—4,150
Rear axles: Gear ratio	4.11:1
Axle load (lb): Loaded	Front—1,925; rear—2,225
Tires: Ply—6; Size—6.00 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—56 1/2
Shipping dimensions: Uncrated	(cu ft) 613; (sq ft) 98
Ground clearance:	(in.) 8 1/4
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 16
Cooling system	(qt) 14
Crankcase (refill)	(qt) 5
Transmission (main)	(qt) 3/4
Differential	(qt) 2 1/4
Brakes: Manufacturer—Chevrolet	Type—hydraulic
Dimensions	(in.) 13 1/4
Transmission: Speeds	3
(Gear ratio: High—direct; Low—2.94:1)	

PERFORMANCE

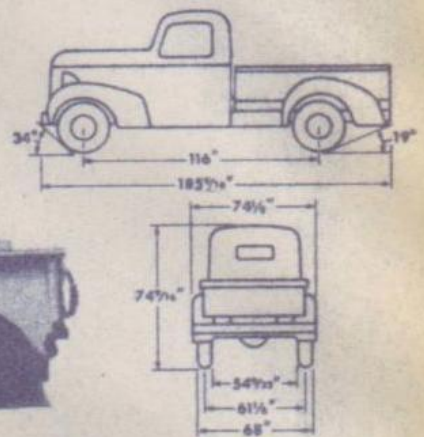
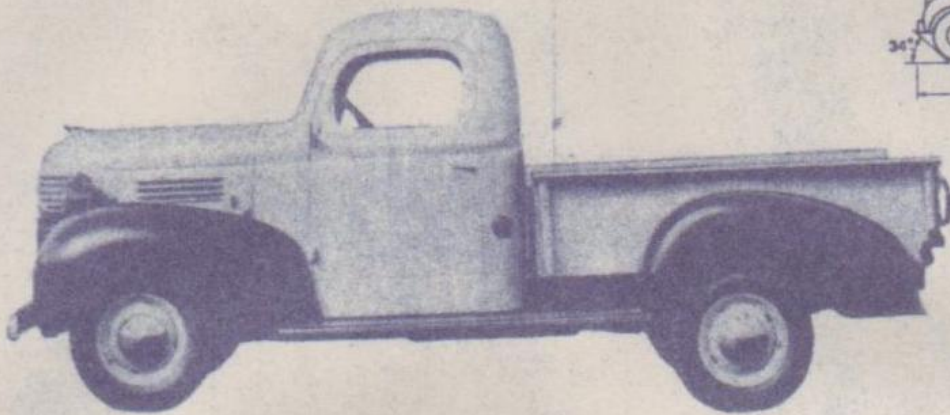
Maximum computed gradability	(per cent) 33 1/2
Turning radius (ft):	Right—19 1/2; left—20
Fording depth:	(in.) 18 1/2
Fuel consumption (loaded):	(mpg) 11
Cruising range (loaded):	(mi) 176
Allowable speed:	(mph) 60

ENGINE

Manufacturer: Chevrolet	Model 142 BD, 1,000
Displacement:	(cu in.) 216.5
Bore:	(in.) 3 3/4
Stroke:	(in.) 3 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	85.5 at (rpm) 3,100
Torque:	192 ft.-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 2, PICKUP



RA PD-347043

Parts List: SNL G-613

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—3,365 Payload—1,000 Gross—4,365	
Rear axle: Gear ratio:	4.1:1
Axle load (lb): Loaded:	Front—1,895; rear—2,470
Empty:	Front—1,475
Tires: Ply—6 Size—6.50 x 16; Pressure (lb)—Front—36; rear—36	
Tread, center to center (in.):	Front—55 3/4
Shipping dimensions:	
Uncrated:	(cu ft) 593.52; (sq ft) 95.52
Vehicle dimensions:	
Loading height (empty):	(in.) 25 3/4
Ground clearance:	(in.) 8 1/4
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 18
Cooling system:	(qt) 15 1/2
Crankcase:	Refill (qt) 5
Transmission:	(qt) 1 3/4
Differential:	(qt) 1 3/4
Brakes: Manufacturer—Dodge Type—hydraulic	
Dimensions:	(in.) 2
Transmission: Speeds:	3
(Gear ratio: High—1.00:1; Low—3.3:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 37.8
Turning radius (ft):	Right—19'1"; left—24'3"
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 12

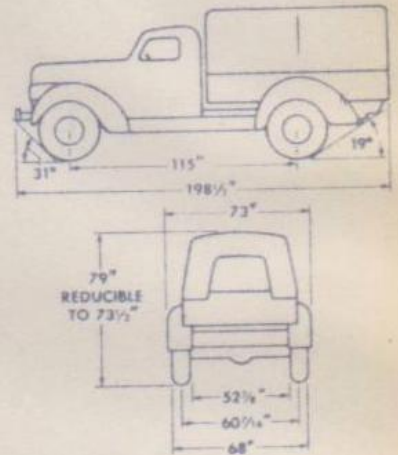
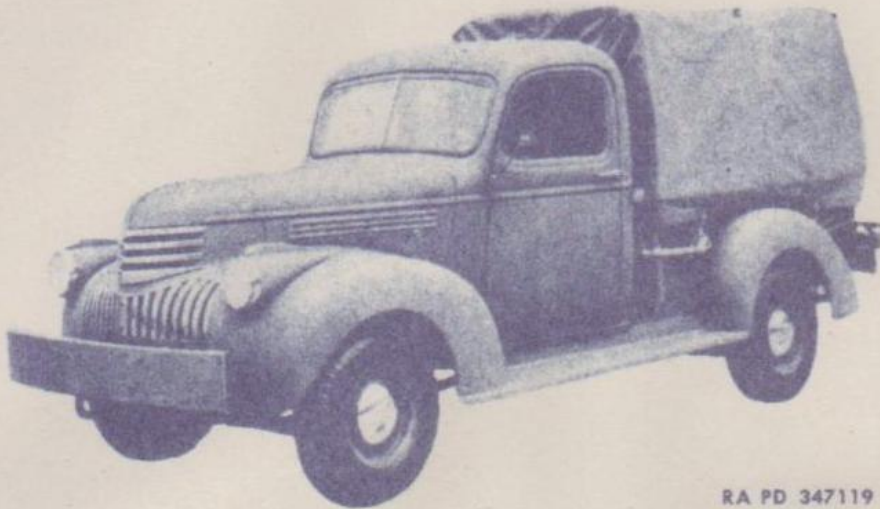
Cruising range (loaded):	(mi) 216
Allowable speed:	(mph) 60

ENGINE

Manufacturer: Dodge	Model T-112
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 217.7
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 3/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	85 at (rpm) 3,000
Torque:	170 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 2, PICKUP



Technical Manuals: 10-1251,
10-1305, 10-1308
Parts List: SNL G-612

RA PD 347119

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—3,385 Payload—1,000 Gross—4,385	
Rear axle: Gear ratio	4.11:1
Axle load (lb): Loaded	Front—1,855; rear—2,530
Empty	Front—1,780; rear—1,605
Tires: Ply—6; Size—7.50 x 15; Pressure (lb)—Front—25; rear—25	
Tread, center to center (in.):	Front—57 1/2
Shipping dimensions:	
Uncrated	(cu ft) 616.3; (sq ft) 100.6
Vehicle dimensions:	
Loading height (empty)	(in.) 29
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 18
Cooling system	(qt) 14
Crankcase (refill)	(qt) 5
Transmission	(qt) 3 1/4
Differential	(qt) 2 3/4
Brakes: Manufacturer—Chevrolet	Type—hydraulic
Dimensions	(in.) 13 1/4
Transmission: Speeds	3
(Gear ratio: High—direct, Low—2.94:1)	

PERFORMANCE

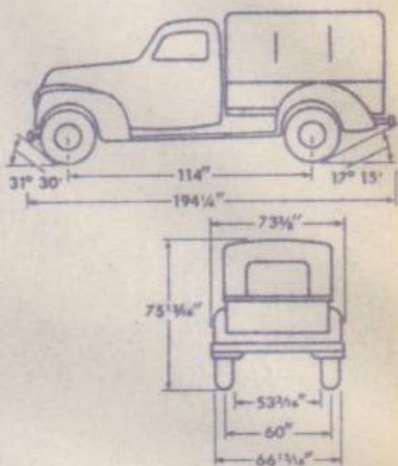
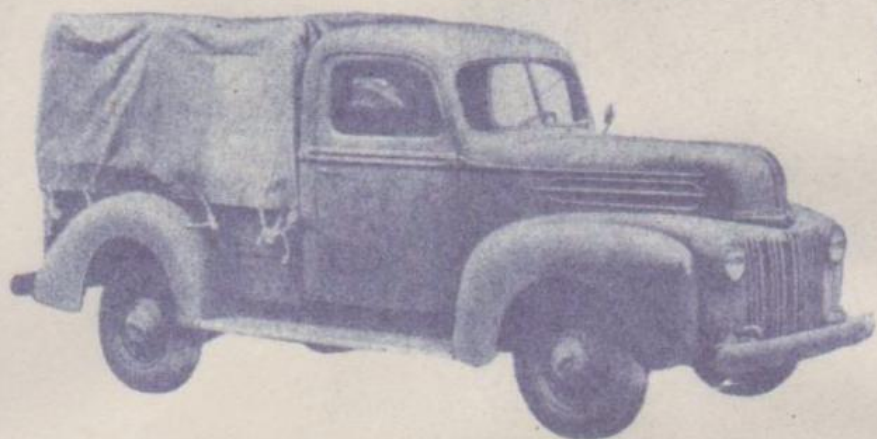
Maximum computed gradability:	(percent) 25
Turning radius (ft):	Right—19 1/2; left—20
Fording depth:	(in.) 18
Allowable speed:	(mph) 60

ENGINE

Manufacturer: Chevrolet	Model BD-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 216.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 3 3/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	81.5 at (rpm) 3,100
Torque: (Net)	168 ft-lb at (rpm) 1,100

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 2, PICKUP



Parts List: TM 10-1436

RA PD 347123

Manufacturer: Ford Motor Co.
Classification: Standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—3,290	Payload—1,000
Gross—4,290	
Rear axle; Gear ratio:	3.78:1
Axle load (lb): Loaded	Front—1,810; rear—2,480
Tires: Ply—6; Size—6.50 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.)	Front—58
Shipping dimensions:	
Uncrated	(cu ft) 625.9; (sq ft) 99
Vehicle dimensions:	
Ground clearance	(in.) 8 5/16
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 19
Cooling system	(qt) 17 1/2
Crankcase	(qt) 5
Transmission	(pt) 2 3/4
Differential	(pt) 2 1/4
Brakes: Manufacturer—Ford	Type—hydraulic
Dimensions	(in.) 1 3/4
Transmission: Speeds	3
(Gear ratio: High—direct; Low—3.11:1)	

PERFORMANCE

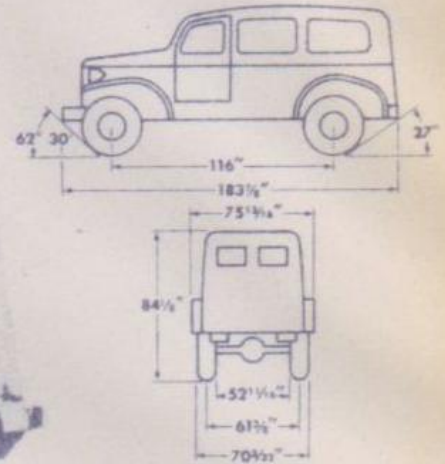
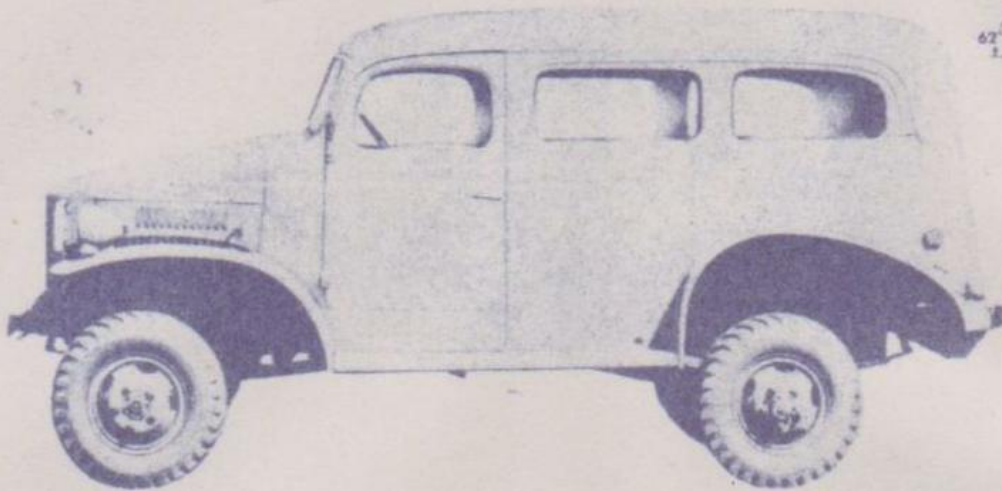
Maximum computed gradability:	(per cent) 38.2
Turning radius (ft):	Right—20 3/4; left—20 3/4
Fuel consumption (loaded):	(mpg) 19
Cruising range (loaded):	(mi) 190
Allowable speed:	(mph) 65

ENGINE

Manufacturer: Ford	Model 2GCS
Type: L-head	No. of cylinders 6
Displacement:	(cu in.) 226
Bore:	(in.) 3.30
Stroke:	(in.) 4.40
Maximum governed speed:	(rpm) 3,400
Brake horsepower:	90 at (rpm) 3,300
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 4, CARRYALL



Technical Manuals: 10-1153
10-1201, 10-1443
Parts List: SNL G-505

RA PD 347039

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To transport light cargo and personnel.

GENERAL DATA

Crew:	2
Passengers (including crew):	7
Weight (lb): Net—4,850 Payload—1,300 Gross—6,150	
Rear axle: Gear ratio	4.89:1
Axle load (lb): Loaded	Front—2,605; rear—3,545
Empty	Front—2,390; rear—2,460
Tires: Ply—6 Size 7.50 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—59 3/4
Shipping dimensions:	
Uncrated	(cu ft) 678.45; (sq ft) 96.80
Vehicle dimensions:	
Loading height (empty)	(in.) 32.94
Ground clearance	(in.) 9
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70-72 octane gasoline)	(gal) 25
Cooling system	(qt) 17
Crankcase	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials (each)	(qt) 2 3/4
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front—2; rear—1 3/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio: High—1.00:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 63.3
Turning radius (ft):	Right—25 1/2; left—25 1/2

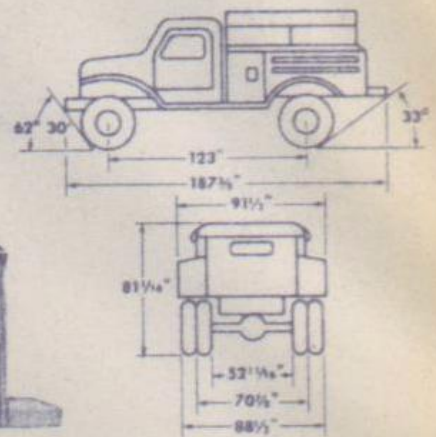
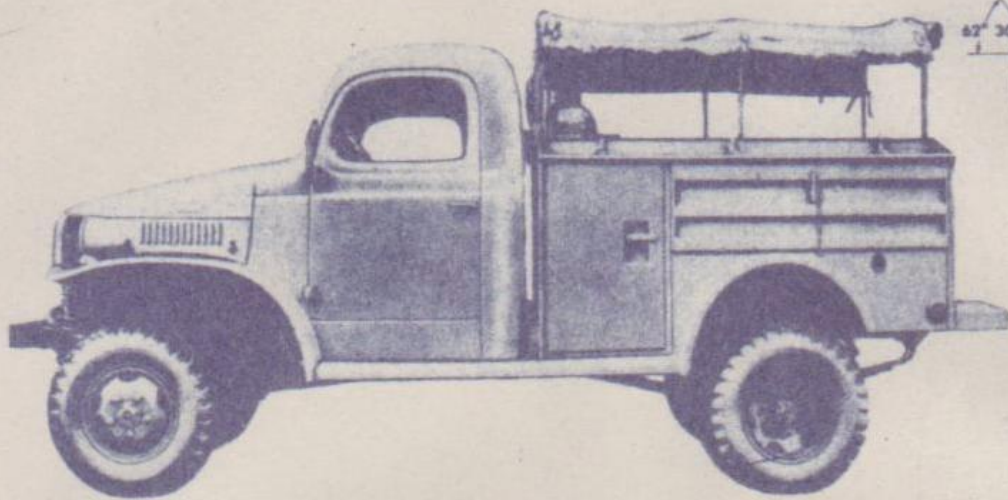
Fording depth:	(in.) 32
Cruising range (loaded):	(mi) 325
Fuel consumption (loaded):	(mpg) 13
Allowable speed:	(mph) 56

ENGINE

Manufacturer: Dodge	Model T-215
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	92 at (rpm) 3,100
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 4, EMERGENCY REPAIR



Technical Manuals: 10-1153,
10-1201, 10-1443
Parts List: SNL G-505

RA PD 347026

Manufacturer: Chrysler Corporation, Dodge Division.

Purpose: To provide mobile facilities for emergency ordnance repair.

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb): Net—	5,120	Payload—	2,170
		Gross—	7,290
Rear axle: Gear ratio			4.89:1
Axle load (lb): Loaded		Front—	2,640; rear—4,650
		Empty	Front—2,415; rear—2,705
Tires: Ply—6; Size—7.50 x 16; Pressure (lb)—		Front—	40; rear—40
Tread, center to center (in.):		Front—	59 1/2
Shipping dimensions:			
Uncrated		(cu ft)	805.15; (sq ft)
			119.04
Vehicle dimensions:			
Ground clearance		(in.)	9
Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (70 octane gasoline)		(gal)	25
Cooling system		(qt)	17
Crankcase (refill)		(qt)	5
Transfer case		(qt)	2
Transmission		(qt)	3
Differentials (each)		(qt)	2 1/4
Brakes: Manufacturer—Dodge		Type—	hydraulic
Dimensions (in.)		Front—	2; rear—1 3/4
Transmission: Speeds			4
(Gear ratio: High—1.00:1; Low—6.40:1)			
Transfer case: Speeds			1
(Gear ratio: High—1.00:1)			

PERFORMANCE

Maximum computed gradability:		(percent)	51.8
Turning radius:		Right—	26'10"; left—26'10"
Fording depth:		(in.)	32
Fuel consumption (loaded):		(mpg)	12

Cruising range (loaded):		(mi)	300
Allowable speed:		(mph)	56

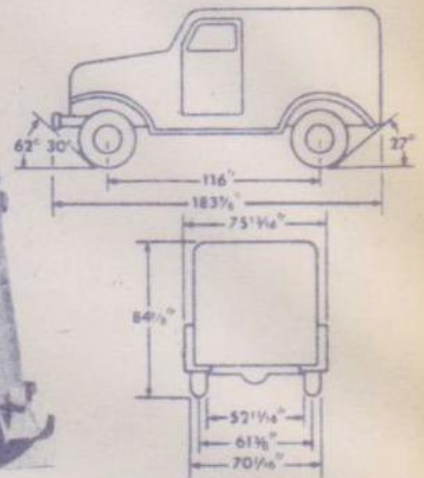
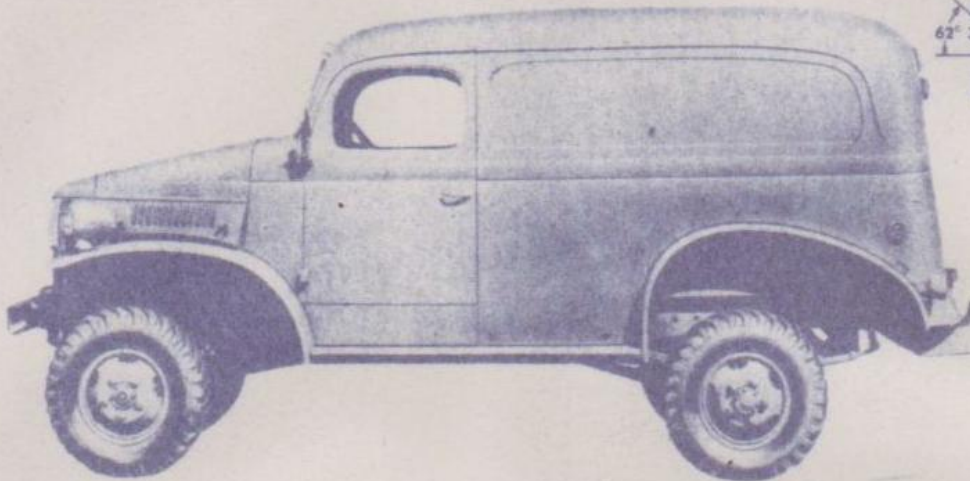
ENGINE

Manufacturer:	Dodge	Model	T-215
Type:	L-head, 4-cycle	No. of cylinders (in line)	6
Displacement:		(cu in.)	330.2
Bore:		(in.)	3 1/4
Stroke:		(in.)	4 3/4
Maximum governed speed:		(rpm)	3,100
Brake horsepower:		92 at (rpm)	3,100
Torque:		180 ft-lb at (rpm)	1,200

ADDITIONAL DATA

BBV
GEREGISTREERD

TRUCK, 1/2-TON, 4 x 4, PANEL DELIVERY



Technical Manuals: 10-1123,
10-1153, 10-1201,
10-1209, 10-1211
Parts List: SNL G-505

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To transport light cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—4,470 Payload—1,000 Gross—5,470	
Rear axle: Gear ratio:	4.89:1
Axle load (lb): Loaded	Front—2,430; rear—3,040
Empty	Front—2,095; rear—2,375
Tires: Ply—6; Size—7.50 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—59 5/8
Shipping dimensions:	
Uncrated	(cu ft) 677.52; (sq ft) 96.81
Vehicle dimensions:	
Loading height (empty):	32 1/4
Ground clearance	(in.) 9
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 25
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials (each)	(qt) 2 1/4
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front—2; rear—1 3/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio: High—1.00:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65.6
Turning radius (ft):	Right—25 1/2; left—25 1/2
Fording depth:	(in.) 32

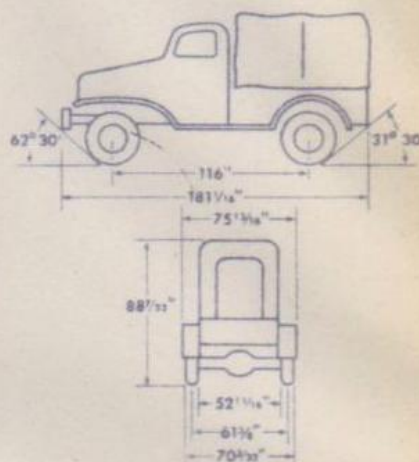
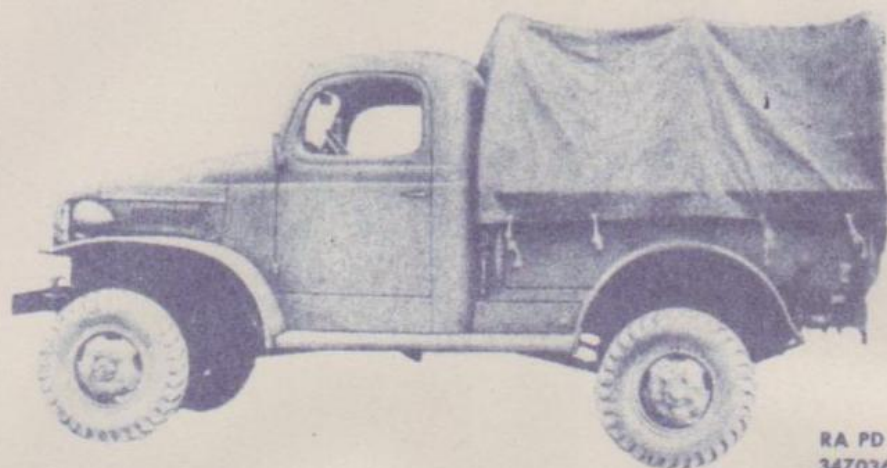
Fuel consumption (loaded):	(mpg) 12
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 55.8

ENGINE

Manufacturer: Dodge	Model T-207
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 217.7
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 3/8
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	85 at (rpm) 3,000
Torque:	170 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1/2-TON, 4 x 4, PICKUP (CLOSED CAB W/SEATS AND W/O SEATS)



RA PD
347036

Technical Manuals: 10-1123,
10-1153, 10-1201, 10-1205,
10-1211

Parts List: SNL G-505

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To transport cargo and personnel.

GENERAL DATA

Crew:	2
Passengers (including crew); with longitudinal seats in body	8
Weight (lb): Net—4,640 Payload—1,300 Gross—5,940	
Rear axle:	(Gear ratio: 4.89:1)
Axle load (lb): Loaded	Front—2,520; rear—3,420
Empty	Front—2,370; rear—2,270
Tires: Ply—6; Size—7.50 x 15; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—59 3/4
Shipping dimensions:	
Uncrated	(cu ft) 700.78; (sq ft) 95.32
Vehicle dimensions:	
Loading height (empty)	(in.) 35 3/4
Ground clearance	(in.) 9
Pintle height (in.)	Loaded—26 3/4; empty—28
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70-72 octane gasoline)	(gal) 25
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials	(each) (qt) 2 3/4
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front 2 Rear—1 3/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio: 1.00:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 60.2
Turning radius (ft):	Right—25 1/2; left—25 1/2
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 12
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 55.8
Maximum recommended towed load:	(lb) 7,000

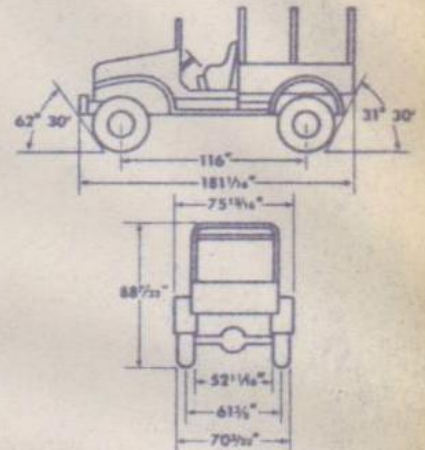
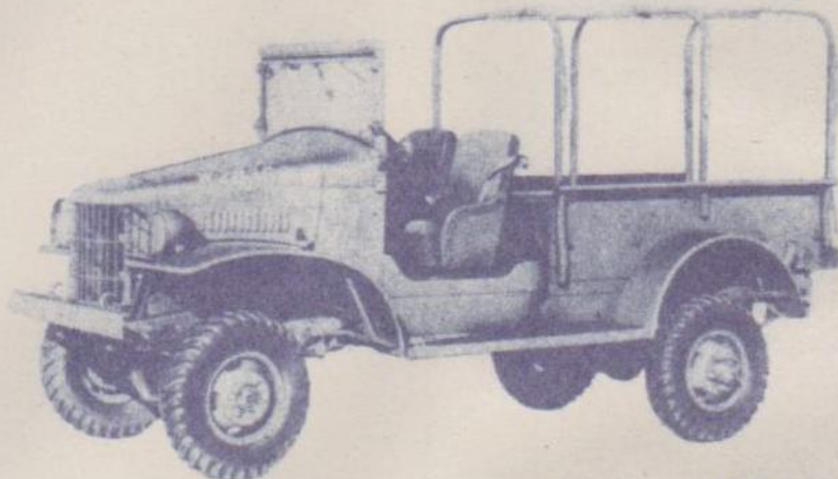
ENGINE

*Manufacturer: Dodge	Model T-112
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 217.7
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 3/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	85 at (rpm) 3,000
Torque:	170 ft-lb at (rpm) 1,200

ADDITIONAL DATA

*After engine No. 42901, these vehicles were equipped with 230.2 cu in. engines having 3 1/4" bore x 4 3/4" stroke, 92 hp, and 180 ft-lb torque at 1,200 revolutions per minute.

TRUCK, 1/2-TON, 4 x 4, PICKUP (OPEN CAB W/BUCKET AND TROOP SEATS AND W/O SEATS)



Technical Manuals:
10-1195, 10-1211
Parts List: SNL G-585

RA PD 347034

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Make of vehicle illustrated: Dodge w/o top or troop seats.

Purpose: To transport personnel and cargo.

GENERAL DATA

Crew:	2
Passengers (including crew): with cross seats in body	8
Weight (lb): Net—4,440 Payload—1,300 Gross—5,740	
Rear axle: Gear ratio	4.89:1
Axle load (lb): Loaded	Front—2,440; rear—3,300
Empty	Front—2,290; rear—2,150
Tires: Ply—6; Size—7.50 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—59 3/4
Shipping dimensions: Uncrated	(cu ft) 700.78; (sq ft) 95.32
Vehicle dimensions (over-all):	
Loading height (empty)	(in.) 35 1/2
Ground clearance	(in.) 9
Pintle height (loaded)	(in.) 26 1/2
(empty)	(in.) 28
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 35
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials (each)	(qt) 2 1/4
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.):	Front—2; rear—13 1/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—5.40:1)	
Transfer case: Speeds	1
(Gear ratio: 1.00:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 62.4
Turning radius (ft):	Right—25 3/4; left—25 1/2
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 12
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 55.8
Maximum recommended towed load: (on highways)	(lb) 1,000

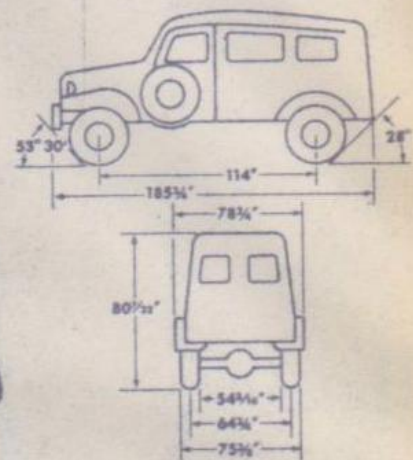
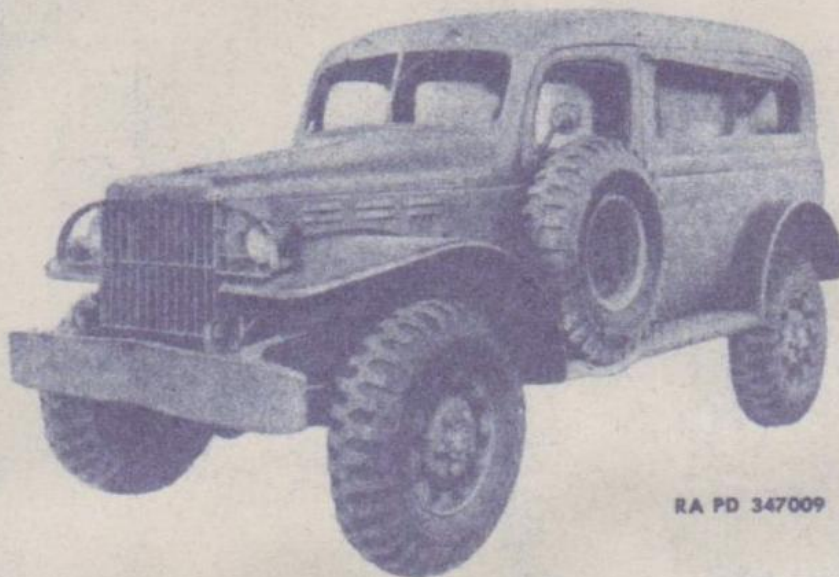
ENGINE

*Manufacturer: Dodge	Model T-211
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 217.7
Bore:	(in.) 3 3/4
Stroke:	(in.) 4 3/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	85 at (rpm) 3,000
Torque:	170 ft-lb at (rpm) 1,200

*NOTE: After Engine No. 42001, these vehicles were equipped with 230.2 cu in. engines having 3 1/4" bore x 4 5/8" stroke, 92 horsepower and 180 ft-lb torque at 1200 rpm.

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, CARRYALL



Technical Manuals: 9-508, 9-1808A,
9-1808B, 9-1829A
Parts List: SNL G-502

RA PD 347009

Manufacturer: Chrysler Corporation, Dodge Division.

Classification: Limited standard.

Purpose: To transport personnel and light cargo.

GENERAL DATA

Crew:	2	Passengers (including crew):	7
Weight (lb): Net	5,750	Payload	1,800
		Gross	7,550
Rear axle: Gear ratio			5.83:1
Axle load (lb): Loaded		Front	3,130
		rear	4,420
		Empty	Front—2,875; rear—2,875
Tires: Ply	8	Size	9.00 x 16
		Pressure (lb)	Front—40; rear—40
Tread, center to center (in.):		Front	64 1/2
Shipping dimensions:			
Uncrated (cu ft)	677.97		(sq ft) 101.42
Vehicle dimensions:			
Ground clearance		(in.)	10 1/4
Loading height (empty)		(in.)	29
Electrical system:		(volts)	12
No. of batteries			1
Capacities:			
Fuel (72 octane gasoline)		(gal)	30
Cooling system		(qt)	17
Crankcase (refill)		(qt)	5
Transfer case		(qt)	2
Transmission		(qt)	3
Differentials (each)		(qt)	2 1/2
Brakes: Manufacturer	Dodge	Type	hydraulic
Dimensions		(in.)	13 1/4
Transmission: Speeds			4
(Gear ratio: High	1.00:1	Low	5.40:1)
Transfer case: Speeds			1
(Gear ratio: High	1.00:1)		

PERFORMANCE

Maximum computed gradability:	(percent)	53.4
Turning radius (ft):	Right	24 1/2; left—24 1/2

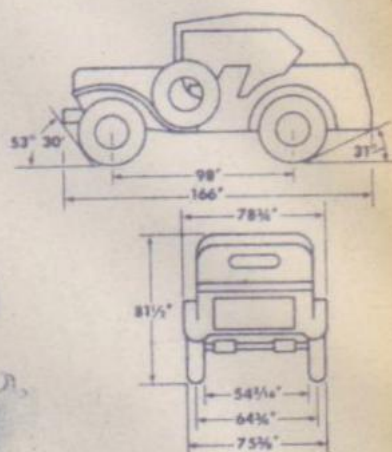
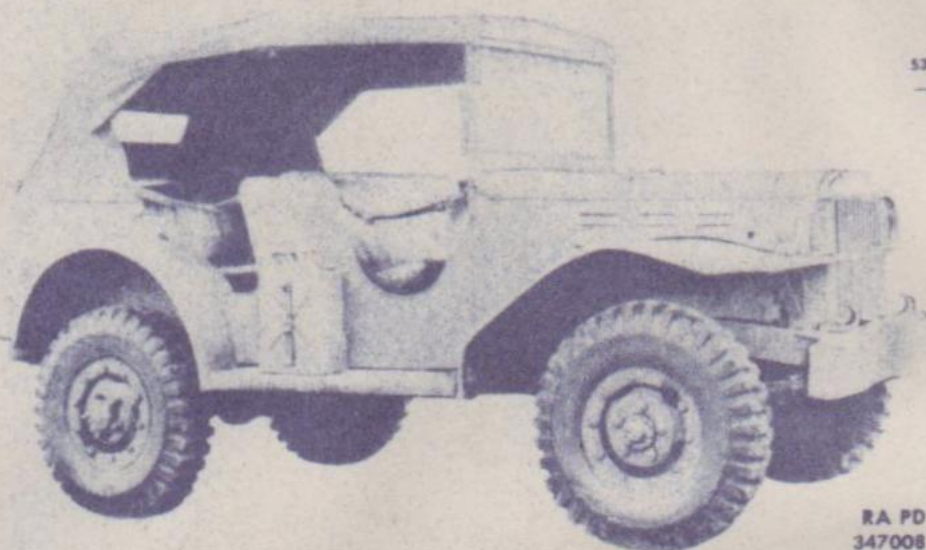
Fording depth:	(in.)	34
Fuel consumption (loaded):	(mpg)	8
Cruising range (loaded):	(mi)	240
Allowable speed:	(mph)	54

ENGINE

Manufacturer:	Dodge	Model	T-214
Type:	L-head, 4-cycle	No. of cylinders (in line)	6
Displacement:		(cu in.)	230.2
Bore:		(in.)	3 1/4
Stroke:		(in.)	4 1/2
Maximum governed speed:		(rpm)	3,200
Brake horsepower:		92 at (rpm)	3,200
Torque:		180 ft-lb at (rpm)	1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, COMMAND RECONNAISSANCE



Technical Manuals: 9-588, 9-1888A,
9-1888B, 9-1829A
Parts List: SNL G-502

RA PD
347008

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To provide transportation for Command Officers in the field.

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb): Net—5,375		Payload—1,800	
		Gross—7,175	
Rear axle: Gear ratio			5.83:1
Asse load (lb): Loaded		Front—2,710; rear—4,465	
		Empty	Front—2,635; rear—2,740
Tires: Ply—8		Size—9.00 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):		Front—64 3/4	
Shipping dimensions: Uncrated (cu ft)	615.51	(sq ft)	90.66
Vehicle dimensions:			
Ground clearance		(in.)	10 3/4
Pintle height (loaded)		(in.)	24 3/4
Empty		(in.)	27 3/4
Electrical system:		(volts)	12
No. of batteries			1
Capacities:			
Fuel (72 octane gasoline)		(gal)	30
Cooling system		(qt)	17
Crankcase (refill)		(qt)	5
Transfer case		(qt)	2
Transmission		(qt)	3
Differentials, each		(qt)	2 1/2
Brakes: Manufacturer—Dodge		Type—hydraulic	
Dimensions		(in.)	13 3/4
Transmission: Speeds			4
(Gear ratio: High—1.00:1; Low—6.40:1)			
Transfer case: Speeds			1
(Gear ratio: High—1.00:1)			

PERFORMANCE

Maximum computed gradability:		(percent)	56.8
Turning radius (ft):		Right—21 3/4; left—21 3/4	
Fording depth:		(in.)	34

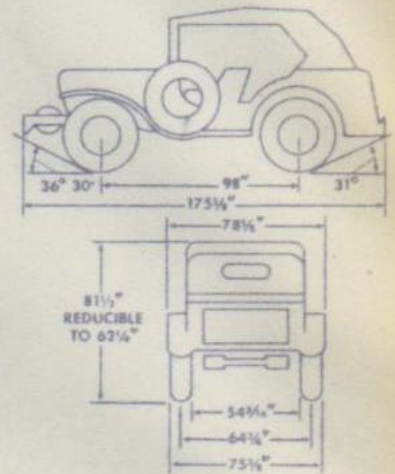
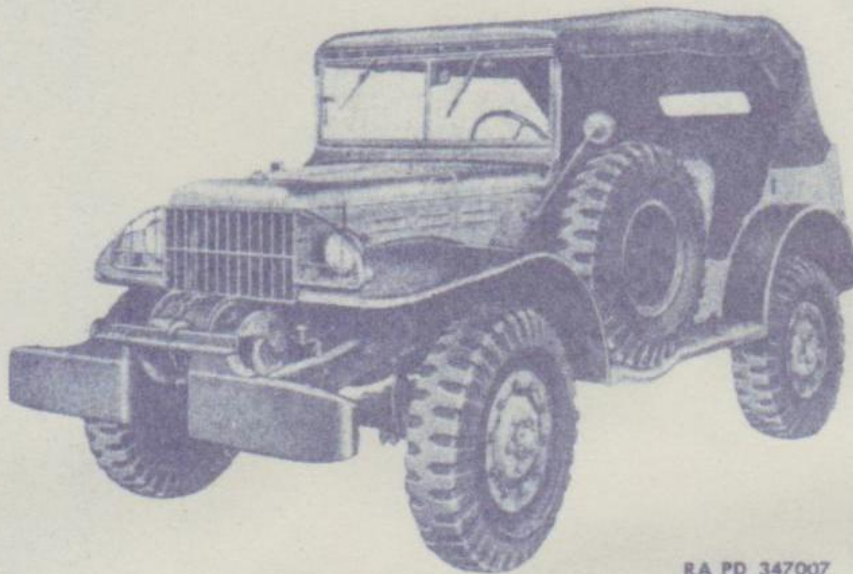
Fuel consumption (loaded):		(mpg)	8
Cruising range (loaded):		(mi)	240
Allowable speed:		(mph)	34
Maximum recommended towed load:		(lb)	1,000

ENGINE

Manufacturer: Dodge		Model T-214
Type: L-head, 4-cycle		No. of cylinders (in line) 6
Displacement:		(cu in.) 230.2
Bore:		(in.) 3 3/4
Stroke:		(in.) 4 5/8
Maximum governed speed:		(rpm) 3,200
Brake horsepower:		92 at (rpm) 3,200
Torque:		180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, COMMAND RECONNAISSANCE (W/WINCH)



Technical Manuals: 9-805, 9-1808A,
9-1808B, 9-1829A
Parts List: SNL G-562

RA PD 347007

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To provide transportation for Command Officers
in the field.

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb):	Net—5,675	Payload—1,800	Gross—7,475
Rear axle: Gear ratio:	5.83:1		
Axle load (lb):	Loaded	Front—3,075; rear—4,400	
	Empty	Front—2,995; rear—2,680	
Tires: Ply—8	Size—9.00 x 16; Pressure (lb)—Front—40; rear—40		
Tread, center to center (in.):	Front—64 1/2		
Shipping dimensions: Uncrated:	(cu ft) 651.19; (sq ft) 95.92		
Vehicle dimensions:			
Ground clearance:	(in.) 10 3/8		
Fintle height: Loaded:	(in.) 24 1/2		
	Empty (in.) 27 1/2		
Electrical system:	(volts) 12		
No. of batteries:	1		
Capacities:			
Fuel (72 octane gasoline):	(gal) 30		
Cooling system:	(qt) 17		
Crankcase (refill):	(qt) 5		
Transfer case:	(qt) 2		
Transmission:	(qt) 3 1/2		
Differentials (each):	(qt) 2 1/2		
Winch (qt) 1:	Load capacity (lb) 5,000		
Brakes: Manufacturer—Dodge:	Type—hydraulic		
Dimensions:	(in.) 1 1/2		
Transmission: Speeds:	4		
	(Gear ratio: High—1.00:1; Low—6.40:1)		
Transfer case: Speeds:	1		
	(Gear ratio: High—1.00:1)		

PERFORMANCE

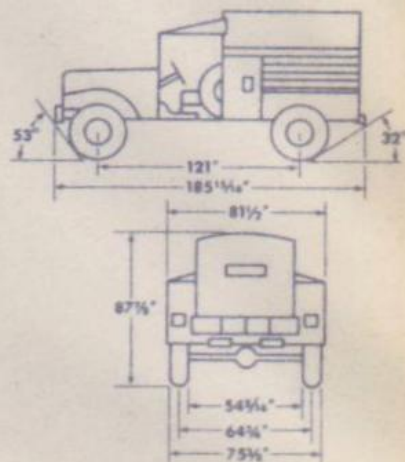
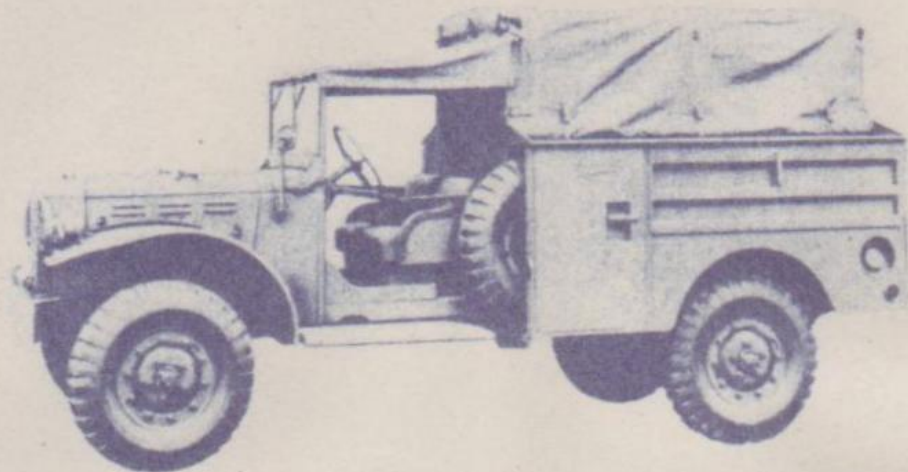
Maximum computed gradability:	(percent)	54.4
Turning radius (ft):	Right—21 3/4; left—21 3/4	
Fording depth:	(in.)	34
Fuel consumption (loaded):	(mpg)	8
Cruising range (loaded):	(mi)	240
Cruising range:	(mi)	240
Allowable speed:	(mph)	54
Maximum recommended towed load:	(lb)	1,000

ENGINE

Manufacturer: Dodge:	Model T-214
Type: L-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 3/4
Maximum governed speed:	(rpm) 3,200
Brake horsepower:	92 at (rpm) 3,200
Torque:	180 ft.-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, EMERGENCY REPAIR, M2



Technical Manuals: 9-808, 9-1808A,
9-1808B, 9-1829A

Parts Lists: SNL G-61, G-502

RA PD 347006

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Limited standard.

Purpose: To provide mobile facilities for emergency repair.

GENERAL DATA

Crew:	2	Passengers (including crew):	5
Weight (lb): Net—5,580		Payload—2,170	Gross—7,750
Rear axle: Gear ratio			5.83:1
Axle load (in): Loaded		Front—3,030; rear—4,720	
	Empty	Front—2,805; rear—2,775	
Tires: Ply—8; Size—9.00 x 16; Pressure (lb)—Front—40; rear—40			
Tread, center to center (in.):		Front—64 1/4	
Shipping dimensions: Uncrated (cu ft) 770.68		(sq ft) 105.23	
Vehicle dimensions (over-all):			
Ground clearance		(in.) 10 1/2	
Electrical system:		(volts) 6	
No. of batteries		1	
Capacities:			
Fuel (72 octane gasoline)		(gal) 30	
Cooling system		(qt) 17	
Crankcase (refill)		(qt) 5	
Transfer case		(qt) 2	
Transmission		(qt) 3	
Differentials (each)		(qt) 2 1/2	
Brakes: Manufacturer—Dodge		Type—hydraulic	
Dimensions		(in.) 13 1/4	
Transmission: Speeds		4	
(Gear ratio: High—1.00:1; Low—5.40:1)			
Transfer case: Speeds		1	
(Gear ratio: High—1.00:1)			

PERFORMANCE

Maximum computed gradability:		(percent) 52.4
Turning radius (ft.):	Right—26 1/4; left—26 1/4	
Fording depth:		(in.) 34
Fuel consumption (loaded):		(mpg) 8

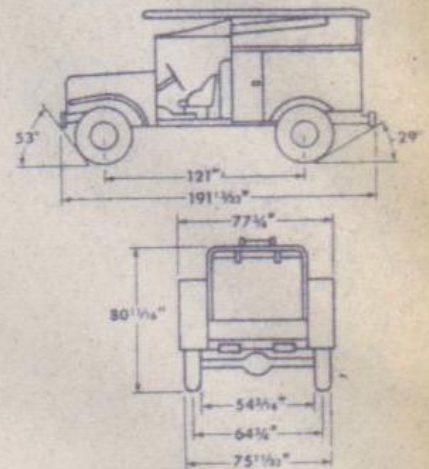
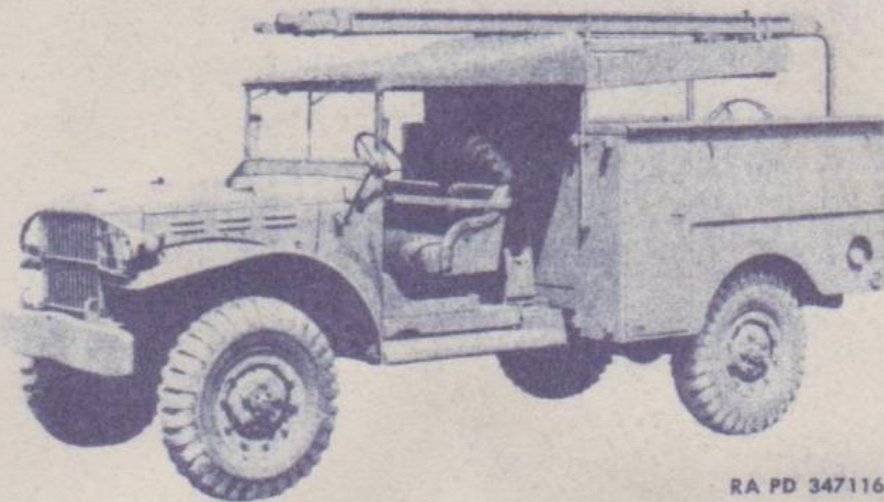
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 54

ENGINE

Manufacturer: Dodge	Model T-214
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,200
Brake horsepower (max.)	92 at (rpm) 3,200
Torque (max.)	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, TELEPHONE MAINTENANCE AND INSTALLATION, K-50-B



Technical Manuals: 9-808, 9-1808A,
9-1808B, 9-1829A
Parts List: SNL G-502

RA PD 347116

Manufacturer: Chrysler Corporation (Dodge Division).
Classification: Limited standard.

Purpose: Used by Signal Corps to transport equipment for
telephone installation and maintenance.

GENERAL DATA

Crew	2
Weight (lb): Net—5,400	Payload—1,300
Gross—6,700	
Rear axle: Gear ratio	5.83:1
Axle load (lb): Loaded	Front—2,935; rear—3,765
Empty	Front—2,760; rear—2,640
Tires: Ply—8; Size—9.00 x 16; Pressure (lb)—Front—40; rear—40	
Tread, center to center (in.):	Front—64 1/4
Shipping dimensions:	
Uncrated	(cu ft) 694.93; (sq ft) 103.35
Vehicle dimensions:	
Loading height (empty)	(in.) 34 1/8
Ground clearance	(in.) 10 3/8
Pintle height (in.):	Loaded—24 3/8; empty—26 1/8
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 3
Differentials (each)	(qt) 2 1/2
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions	(in.) 1 1/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	1
(Gear ratio: High—1.00:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 60.3
Turning radius (ft):	Right—26 1/4; left—26 1/4

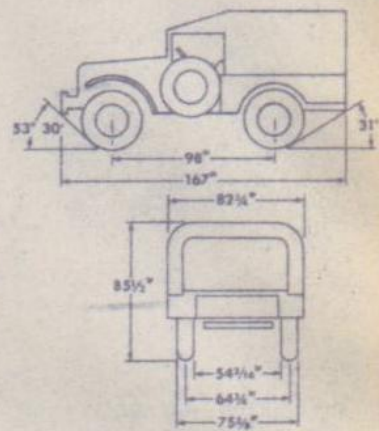
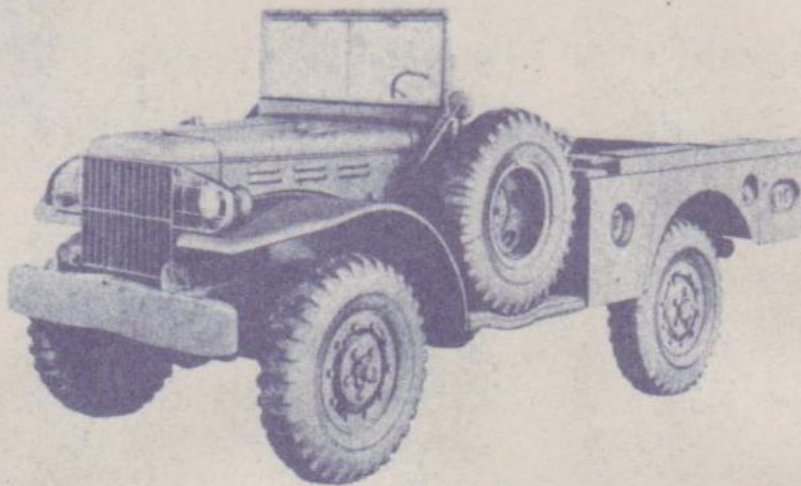
Fording depth:	(in.) 34
Fuel consumption (loaded):	(mpg) 8
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 54
Maximum recommended towed load:	(lb) 1,000

ENGINE

Manufacturer: Dodge	Model T-214
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 5/8
Maximum governed speed:	(rpm) 3,200
Brake horsepower:	92 max. at (rpm) 3,200
Torque:	180 max. ft.-lb. at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, WEAPONS CARRIER



Parts List: SNL G-502

RA PD 347072

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Make of vehicle illustrated: Dodge.
Purpose: To transport weapons, tools, and equipment.

GENERAL DATA

Crew:	2	Passengers (including crew):	10
Weight (lb): Net—5,645		Payload—1,800	Gross—7,445
Rear axle: Gear ratio			5.83:1
Axle load (lb): Loaded		Front—2,825; rear—4,620	
		Empty	Front—2,785; rear—2,860
Tires: Ply—8; Size—9.00 x 16; Pressure (lb)—Front—40; rear—40			
Tread, center to center (in.):		Front—64 1/4	
Shipping dimensions:			
Uncrated		(cu ft) 683.77; (sq ft) 95.97	
Vehicle dimensions:			
Loading height (empty)		(in.) 33 3/4	
Ground clearance		(in.) 10 3/8	
Pintle height		Loaded—23 1/4; empty—26 1/4	
*Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (72 octane gasoline)		(gal)	30
Cooling system		(qt)	17
Crankcase (refill)		(qt)	5
Transfer case		(qt)	2
Transmission		(qt)	3
Differentials (each)		(qt)	2 1/2
Brakes: Manufacturer—Dodge		Type—hydraulic	
Dimensions		(in.)	1 3/4
Transmission: Speeds			4
(Gear ratio: High—1.00:1; Low—6.40:1)			
Transfer case: Speeds			1
(Gear ratio: High—1.00:1)			

*NOTE: Last production were equipped with 12-volt systems.

PERFORMANCE

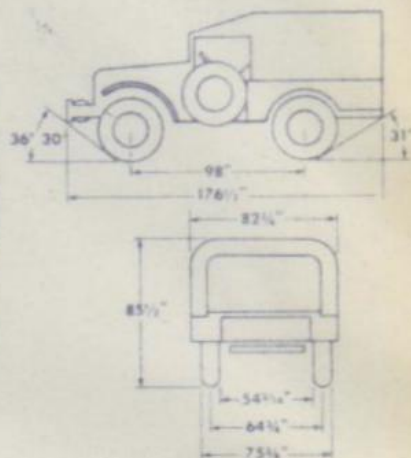
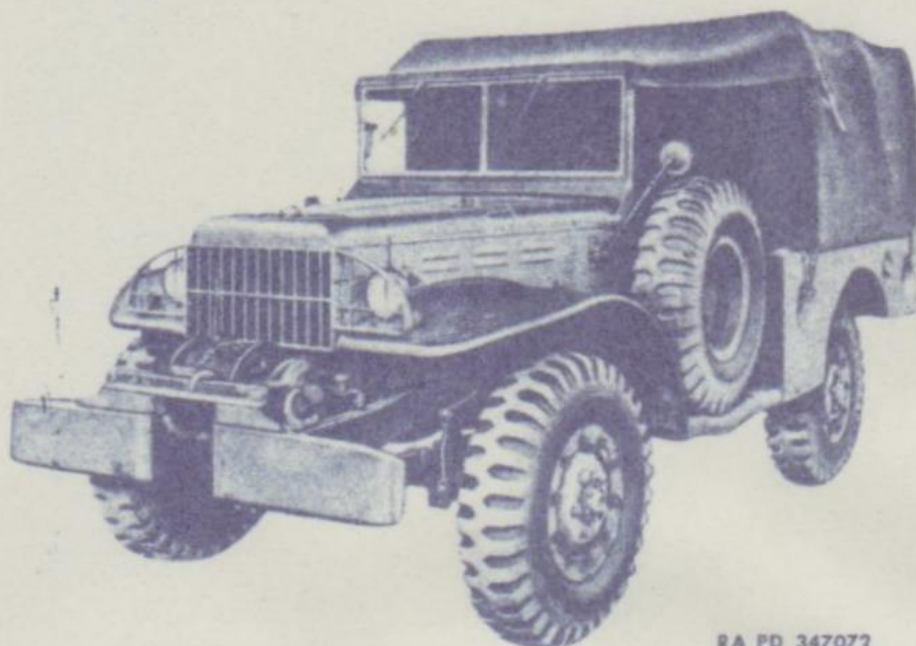
Maximum computed gradability:	(percent)	56.7
Turning radius (ft):	Right—21 3/4; left—21 3/4	
Fording depth:	(in.)	34
Fuel consumption (loaded):	(mpg)	8
Cruising range (loaded):	(mi)	240
Allowable speed:	(mph)	54
Maximum recommended towed load:	(lb)	1,000

ENGINE

Manufacturer: Dodge		Model T-214	
Type: L-head, 4-cycle		No. of cylinders (in line)	6
Displacement:		(cu in.)	230.2
Bore:		(in.)	3 3/4
Stroke:		(in.)	4 3/4
Maximum governed speed:		(rpm)	3,200
Brake horsepower:		92 at (rpm)	3,200
Torque:		180 ft-lb at (rpm)	1,200

ADDITIONAL DATA

TRUCK, 3/4-TON, 4 x 4, WEAPONS CARRIER (W/WINCH)



Technical Manual: 9-308, 9-1808A,
9-1808B, 9-1829A
Parts List: SNL G-502

RA PD 347072

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To transport weapons, tools, and equipment.
Used by Corps of Engineers for Emergency
Repair Shop.

GENERAL DATA

Crew:	2	Passengers (including crew):	10
Weight (lb): Net—5,940		Payload—1,800	Gross—7,740
Rear axle: Gear ratio			5.83:1
Axle load (lb): Loaded		Front—3,185, rear—4,555	
	Empty	Front—3,145, rear—2,795	
Tires: Ply—8; Size—9.00 x 16; Pressure (lb)—Front—40, rear—40			
Tread, center to center (in.):		Front—64 1/2	
Shipping dimensions:			
Uncrated		(cu ft) 722.66, (sq ft) 101.43	
Vehicle dimensions:			
Loading height (empty)		(in.) 33 1/2	
Ground clearance		(in.) 10 1/2	
Pintle height		Loaded—23 1/2, empty—26 1/2	
*Electrical system:		(volts) 6	
No. of batteries		1	
Capacities:			
Fuel (72 octane gasoline)		(gal) 30	
Cooling system		(qt) 17	
Crankcase (refill)		(qt) 5	
Transfer case		(qt) 2	
Transmission		(qt) 3	
Differential		(qt) 2 1/2	
Winch (1 qt)		(load capacity) (lb) 5000**	
Brakes: Manufacturer—Dodge		Type—hydraulic	
Dimensions		(in.) 1 1/2	
Transmission: Speeds		4	
(Gear ratio: High—1.00:1; Low—6.40:1)			
Transfer case: Speeds		1	
(Gear ratio: High—1.00:1)			

*NOTE: Last production were equipped with 12-volt systems.

**NOTE: Last production were equipped with 7,500-lb cap. winch.

PERFORMANCE

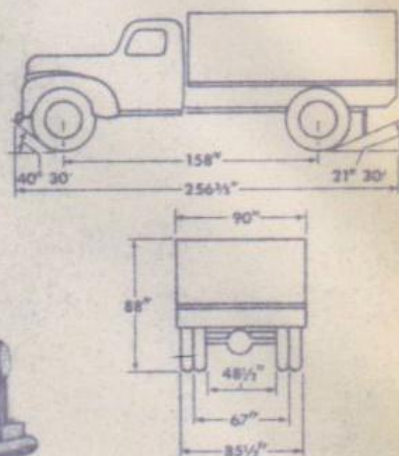
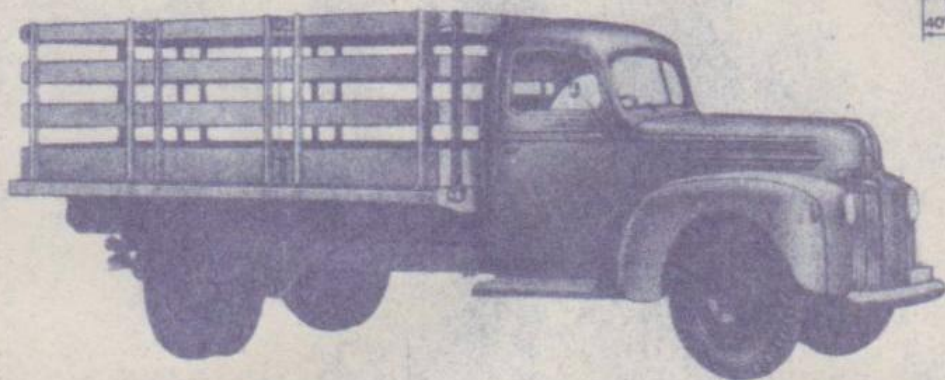
Maximum computed gradability:	(percent) 54.3
Turning radius (ft):	Right—21 1/4; left—21 1/4
Fording depth:	(in.) 34
Fuel consumption (loaded):	(mpg) 8
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 54
Maximum recommended towed load:	(lb) 1,000

ENGINE

Manufacturer: Dodge	Model T-214
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 230.2
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,200
Brake horsepower:	92 at (rpm) 3,200
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 2, COMBINATION STAKE AND PLATFORM



RA PD 347143

Technical Manuals: 9-886, 9-1886A,
9-1886B, 9-1829A
Parts List: SNL G-548

Manufacturer: Ford Motor Co.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net—6,500 Payload—3,340 Gross—9,840	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—2,981; rear—6,859
Empty	Front—2,630; rear—3,870
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.)	Front—59½
Shipping dimensions:	
Unrated	(cu ft) 1,173; (sq ft) 167.4
Vehicle dimensions:	
Loading height (empty)	(in.) 46
Ground clearance	(in.) 9½
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (71 octane gasoline)	(gal) 49
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transmission (main)	(qt) 2½
Differential	(qt) 2½
Brakes: Manufacturer—Ford	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3½
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.4:1)	

PERFORMANCE

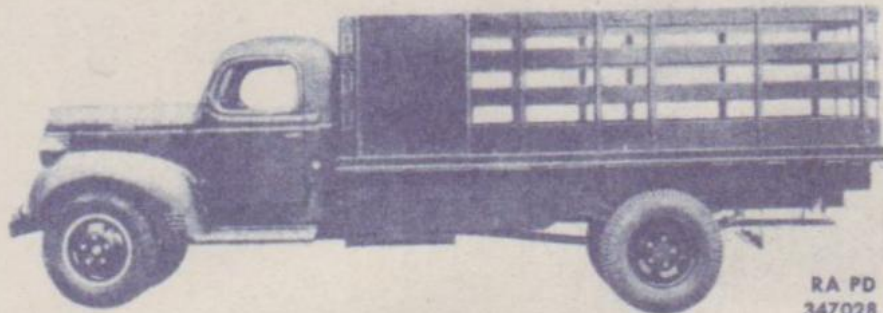
Maximum computed gradability	(per cent) 42.2
Turning radius (ft):	Right—31½; left—31½
Fording depth	(in.) 25
Fuel consumption (loaded)	(mpg) 9
Cruising range (loaded)	(mi) 440
Allowable speed	(mph) 45

ENGINE

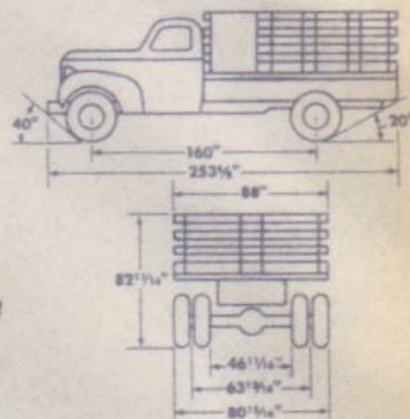
Manufacturer: Ford	Model G8T
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 225.78
Bore	(in.) 3½
Stroke	(in.) 4½
Maximum governed speed	(rpm) 3,400
Brake horsepower	90.7 at (rpm) 3,400
Torque	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 2, COMBINATION STAKE AND PLATFORM



RA PD
347028



Parts List: SNL G-618

Manufacturer: Chrysler Corporation, Dodge Division.

Purpose: To transport general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net—5,580	Payload—3,170 Gross—8,750
Rear axle: Gear ratio	6.285:1
Axle load (lb): Loaded	Front—2,815; rear—5,935
Empty	Front—2,515; rear—3,065
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—57 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,068.18; (sq ft) 155
Vehicle dimensions:	
Loading height (empty)	(in.) 44 3/4
Ground clearance	(in.) 9 1/4
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 18
Cooling system	(qt) 19 1/2
Crankcase (refill)	(qt) 5
Transmission	(qt) 3
Differential	(qt) 5 1/2
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front—1 3/4; rear—2 1/2
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	

PERFORMANCE

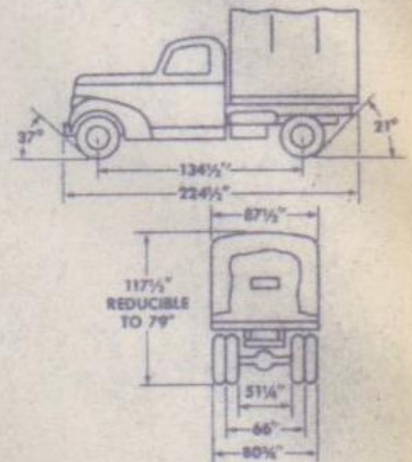
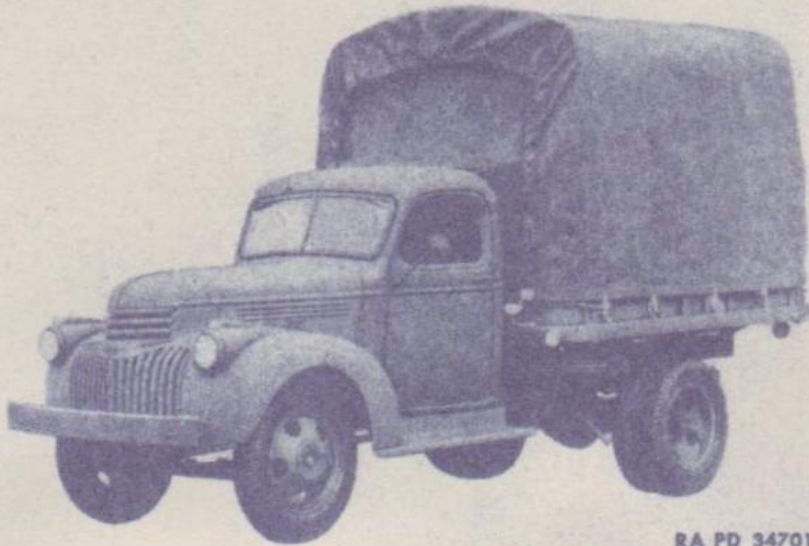
Maximum computed gradability:	(percent) 49.9
Turning radius (ft):	Right—26; left—27
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 7
Cruising range (loaded):	(mi) 125
Allowable speed:	(mph) 45

ENGINE

Manufacturer: Dodge	Model T-118
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 236.6
Bore:	(in.) 3 7/8
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	104 at (rpm) 3,000
Torque:	190 ft.-lb at (rpm) 1,500 to 2,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 2, COMBINATION STAKE AND PLATFORM



Technical Manuals: 10-1265,
10-1341
Parts List: SNL G-617

RA PD 347012

Manufacturer: Chevrolet Motor Division (GMC).

Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—5,160	Payload—3,150
Rear axle: Gear ratio	6.17:1
Axle load (lb): Loaded	Front—2,350; rear—5,960
Empty	Front—2,260; rear—2,900
Tires: Ply—8	Size—6.50 x 20; Pressure (lb)—Front—65; rear—65
Tread, center to center (in.)	Front—57½
Shipping dimensions: Uncrated (cu ft) 896.6	(sq ft) 136.4
Vehicle dimensions:	
Loading height (empty)	(in.) 44
Ground clearance	(in.) 9
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 18
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transmission	(qt) 2¾
Differential	(qt) 5
Brakes: Manufacturer—Chevrolet	Type—hydraulic
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 40
Turning radius (ft):	Right—26; left—26
Fording depth:	(in.) 22
Angle of approach:	(deg) 37
Angle of departure:	(deg) 21
Fuel consumption (loaded):	(mpg) 8.3

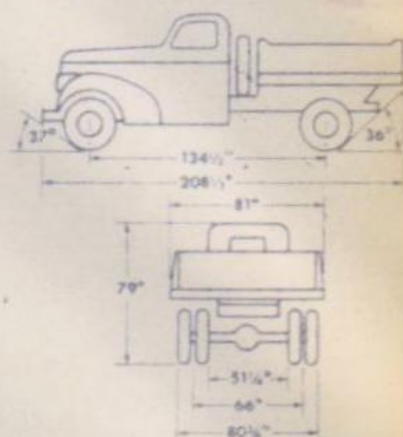
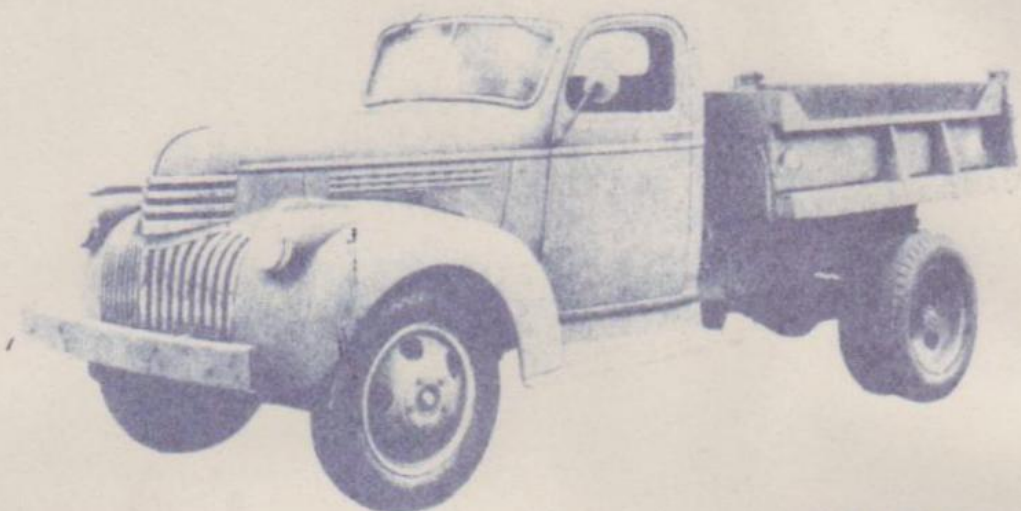
Cruising range (loaded):	(mi) 150
Allowable speed:	(mph) 48

ENGINE

Manufacturer: Chevrolet	Model BQ-1901—up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 216.5
Bore:	(in.) 3½
Stroke:	(in.) 3¾
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	81.5 at (rpm) 3,100
Torque:	168 ft.-lb at (rpm) 1,100

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 2, DUMP



Technical Manuals: 10-1305,
10-1411,
Parts List: SNL G-417

RA PD 347017

Manufacturer: Chevrolet Motor Division (GMC).

Purpose: To transport and dump stone, sand, gravel, etc., and to transport general cargo.

GENERAL DATA

Crew:		2
Weight (lb): Net—5,975	Payload—3,150	Gross—9,125
Rear axle: Gear ratio		6.17:1
Axle load (lb): Loaded	Front—2,570; rear—6,555	
Empty	Front—2,370; rear—3,605	
Tires: Ply—8	Size—6.50 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.)	Front—57 1/4	
Shipping dimensions: Uncrated (cu ft) 772.1	(sq ft) 117.3	
Vehicle dimensions:		
Ground clearance	(in.)	9
Pintle height (loaded)	(in.)	24
Electrical system:	(volts)	6
No. of batteries		1
Capacities:		
Fuel (70 octane gasoline)	(gal)	18
Cooling system	(qt)	16
Crankcase (refill)	(qt)	5
Transmission	(qt)	2 1/4
Differential	(qt)	5
Brakes: Manufacturer—Chevrolet	Type—hydraulic	
Dimensions (in.)	Front—2; rear—3	
Transmission: Speeds		4
(Gear ratio: High—direct; Low—7.06:1)		

PERFORMANCE

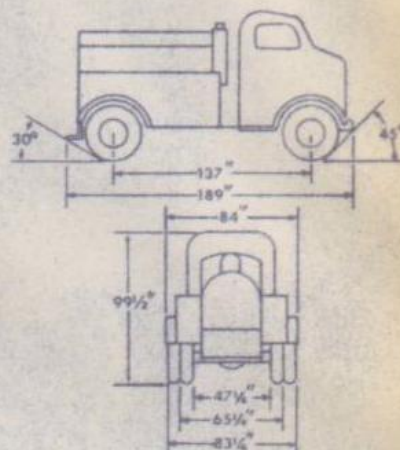
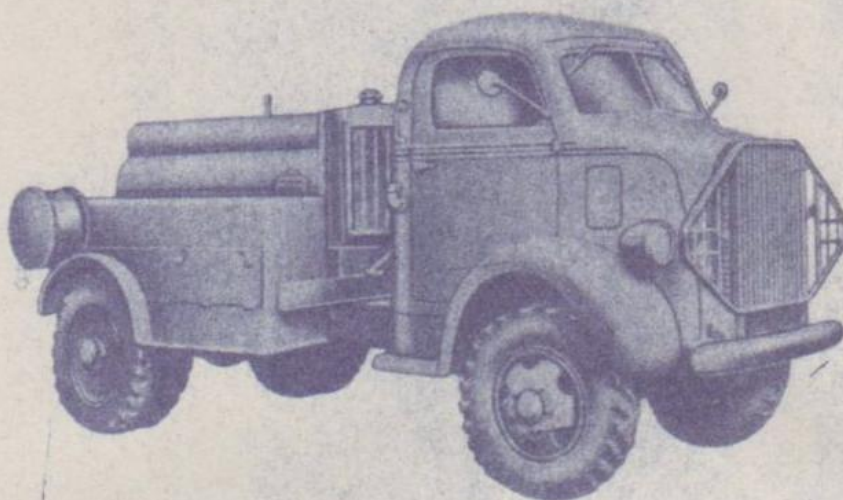
Maximum computed gradability:	(percent)	40
Turning radius (ft):	Right—26; left—26	
Fording depth:	(in.)	32
Fuel consumption (loaded):	(mpg)	8.3
Cruising range (loaded):	(mi)	150
Allowable speed: (governed):	(mph)	48

ENGINE

Manufacturer: Chevrolet	Model BQ-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 216.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 3 1/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	81.5 at (rpm) 3,100
Torque:	168 ft lb at (rpm) 1,100

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, AIR COMPRESSOR



Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1826A, 9-1827B,
9-1828A, 9-1829A

Parts List: SNL G-506

RA PD 347305

Manufacturers: Chassis: Chevrolet Motor Division
GMC; Marmon Herrington; Equipment: Sullivan Ma-
chinery Co.; Le Roi Co.

Classification: Limited standard.

Make of vehicle illustrated: Sullivan compressor on
Marmon Herrington truck.

Purpose: Used by Corps of Engineers to furnish compressed
air for construction tools.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—12,200
Rear axle: Gear ratio:	6.67:1
Axle load (lb): Loaded:	Front—4,035; rear—8,165
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—35	
Tread, center to center (in.):	Front—62
Shipping dimensions: Uncrated:	(cu ft) 914.2; (sq ft) 110.2
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 30
Cooling system:	(qt) 17 1/4
Crankcase (refill):	(qt) 5
Transmission (main):	(qt) 23 1/4
Transfer case:	(qt) 2
Differentials:	Front—7 qt; rear—(qt) 7
Brakes: Manufacturer—Chevrolet:	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2; rear—3
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius:	Right—30'8"; left—30'8"
Fording depth (in.):	29
Allowable speed: (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

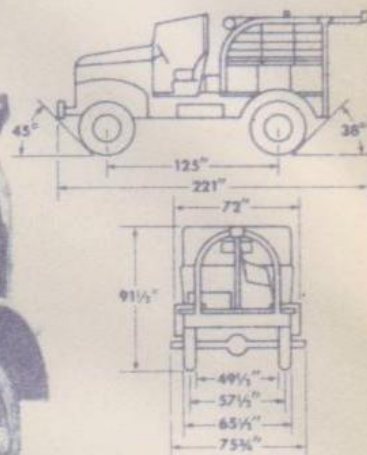
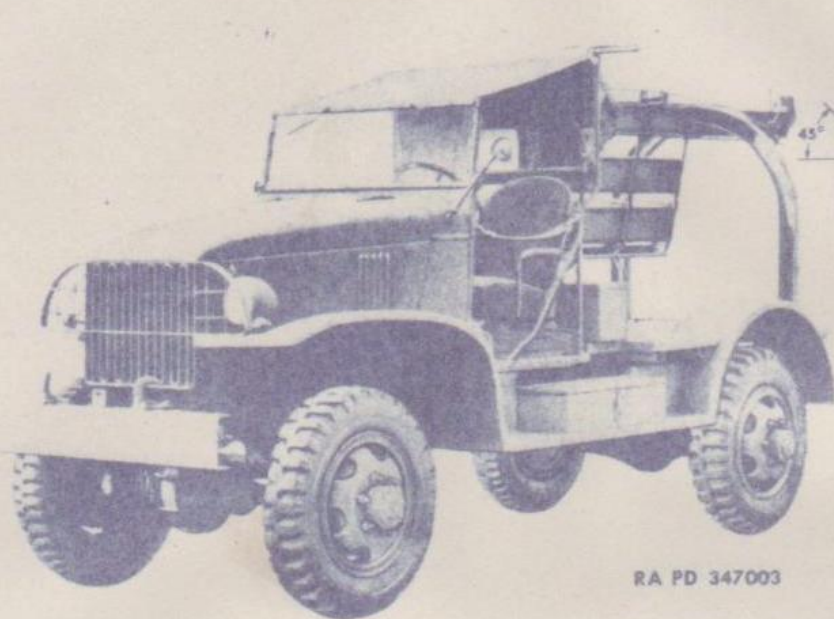
ENGINE

Manufacturer: Chevrolet:	Model BV-1001 UP
Type: Valve-in-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 335.5
Bore:	(in.) 3 3/4
Stroke:	(in.) 3 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Compressor:—Make, Buda, Model ET-350; 4 cylinders, Displace-
ment, 350 cu in., Bore and stroke 4 1/4 x 5 1/2, Brake horsepower
35.8 at 825 rpm. Maximum governed speed, 825 rpm.

TRUCK, 1½-TON, 4 x 4, BOMB SERVICE, M6



Technical Manuals: 9-765, 9-805,
9-1765A, 9-1765B, 9-1825A, 9-1827B,
9-1829A

RA PD 347003

Parts List: SNL G-85, Vol. 4

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: To tow bomb trailers and lift bombs on and off trailers.

GENERAL DATA

Crew:	1	Passengers (including crew)	4
Weight (lb):	Net—6,325 Payload (including driver)—2,000; Gross—8,325		
Rear axle: Gear ratio:	6.67:1		
Axle load (lb): Loaded	Front—3,405; rear—4,920		
Empty	Front—3,180; rear—3,145		
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55			
Tread, center to center (in.)	Front—60½		
Shipping dimensions: Uncrated (cu ft) 886.4	(sq ft) 116.2		
Vehicle dimensions (over-all):			
Ground clearance	(in.) 9¾		
Pintle height (loaded)	(in.) 25½		
Electrical system:	(volts) 6		
No. of batteries	1		
Capacities:			
Fuel (70 octane gasoline)	(gal) 40		
Cooling system	(qt) 17¼		
Crankcase (refill)	(qt) 5		
Transfer case	(qt) 2		
Transmission	(qt) 2¾		
Differentials (qt)	Front—7; rear—7		
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac		
Dimensions (in.)	Front—2; rear—3		
Transmission: Speeds	4		
(Gear ratio: High—direct; Low—7.06:1)			
Transfer case: Speeds	2		
(Gear ratio: High—direct; Low—1.94:1)			

PERFORMANCE

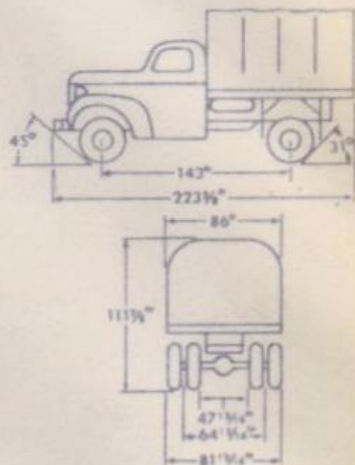
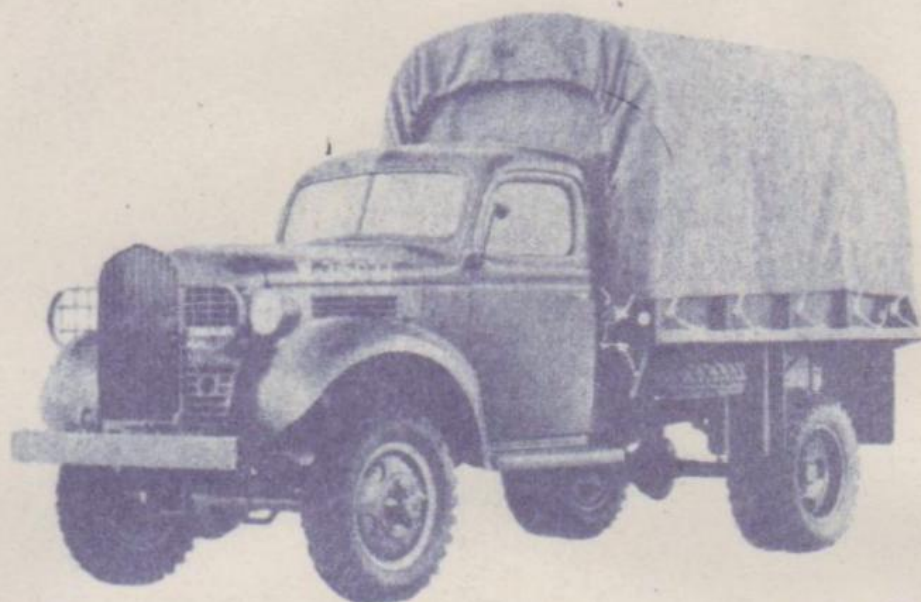
Maximum computed gradability:	(percent) 65
Turning radius:	Right—26' ½"; left—26' 2"
Fording depth:	(in.) 29
Allowable speed:	(mph) 50

ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycles	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3⅜
Stroke:	(in.) 3½
Maximum governed speed (when governor is furnished):	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft.-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, CARGO



Technical Manuals: 10-1179, 10-1193
Parts List: SNL G-621

RA PD 347042

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew	2
Passengers (including crew)	14
*Weight (lb): Net—7,250 Payload—3,000 Gross—10,250	
Rear Axle; Gear ratio	6.6:1
*Axle load (lb): Loaded Front—3,562; rear—6,688	
Empty Front—3,277; rear—3,973	
Tires: Ply—8 Size—7.00 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.): Front—64 1/2	
Shipping dimensions:	
*Uncrated	(cu ft) 1,245.9; (sq ft) 133.65
Vehicle dimensions:	
Loading height (empty)	(in.) 47.2
Ground clearance	(in.) 9 3/4
Pintle height	Loaded—31 1/4; empty—33 1/4
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 25
Cooling system	(qt) 20 1/2
Crankcase Refill (qt)	5
Transfer case	(qt) 2 1/4
Transmission	(qt) 3
Differentials (each)	(qt) 2
Brakes: Manufacturer—Dodge Type—hydraulic	
Dimensions	(in.) 21 1/4
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.00:1; Low—1.87:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 86.1
Turning radius (ft):	Right—28 3/4; left—28 1/4
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 7
Cruising range (loaded):	(mi) 175
Allowable speed:	(mph) 47.2
Maximum recommended towed load:	(lb) 3,000

ENGINE

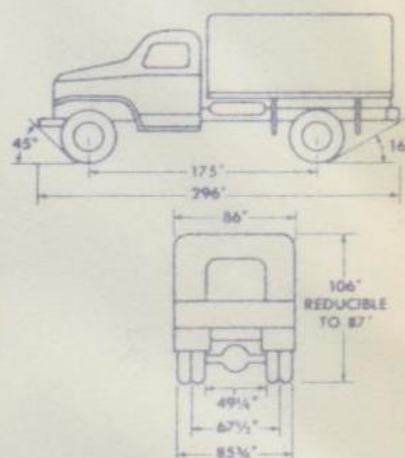
Manufacturer: Dodge	Model T-203
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 241.5
Bore:	(in.) 3 3/4
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	99 at (rpm) 3,000
Torque:	188 ft-lb at (rpm) 1,200

ADDITIONAL DATA

*Data given is for vehicles without winch. For vehicles with winch use the following data:

Weight (lb): Net—8,200 Payload—2,400 Gross—10,600	
Axle load (lb): Loaded Front—4,175; rear—6,425	
Empty Front—3,945; rear—4,255	
Shipping dimensions:	(cu ft) 1,298.9; (sq ft) 139.32
Length over-all	(in.) 233 3/4
Winch capacities:	Lubricant (qt) 1 1/4; load (lb.) 10,000
Angle of approach:	(deg) 37 1/2

TRUCK, 1½-TON, 4 x 4, CARGO, 15-FT BODY



RA PD 347066

Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Limited standard.

Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew	2
Weight (lb): Net—8,150	Payload—3,350
Gross—11,500	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,415; rear—8,085
Empty	Front—3,120; rear—5,030
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—45	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions:	
Uncrated	(cu ft) 1,281.6 (sq ft) 176.7
Vehicle dimensions:	
Loading height (empty)	(in.) 47
Ground clearance	(in.) 9 1/4
Pintle height (loaded)	(in.) 29
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 30
Cooling system	(qt) 17 1/4
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 2 1/4
Differentials (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—Hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—Direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—Direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—32; left—32

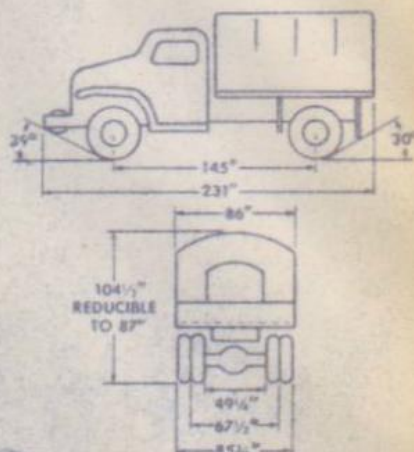
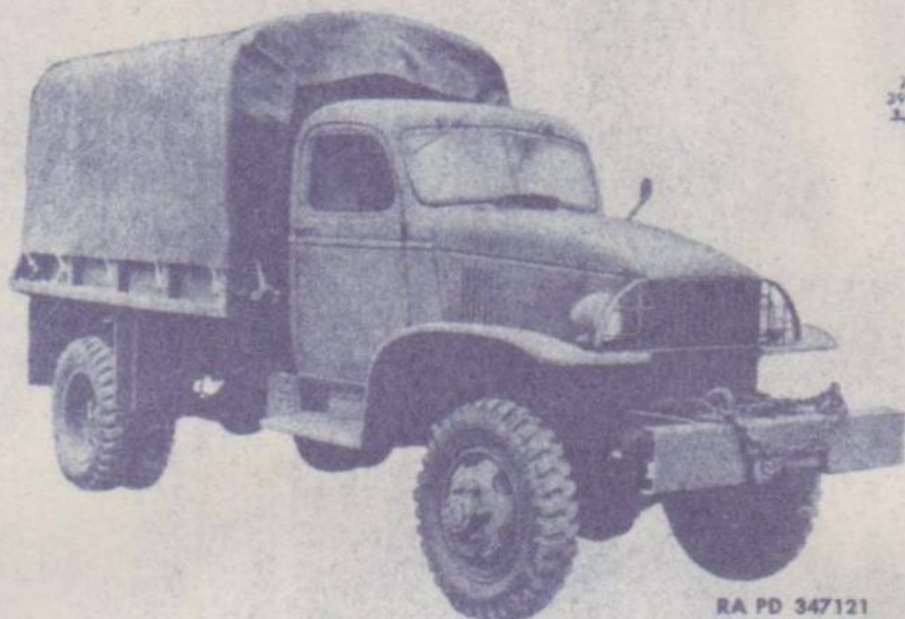
Fording depth:	(in.) 29
Allowable speed: (governed)	(mph) 46

ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 1/4
Stroke:	(in.) 3 1/4
Maximum governed speed:	(rpm) 3100
Brake horsepower:	83 at (rpm) 3000
Torque:	184 ft-lb at (rpm) 1000

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, CARGO (W/WINCH)



Technical Manuals: 9-885
9-1765A, 9-1765B
Parts List: SNL G-596

RA PD 347121

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard.

Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew:	2
Weight (lb): Net—8,215 Payload—3,350 Gross—11,565	
Rear axle: Gear ratio:	6.67:1
Axle load (lb): Loaded	Front—4,235; rear—7,330
Empty	Front—3,825; rear—4,390
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—40	
Tread, center to center (in.):	Front—60½
Shipping dimensions:	
Uncrated	(cu ft) 1,000.2; (sq ft) 137.9
Vehicle dimensions:	
Loading height (empty)	(in.) 47
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 29
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17¼
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 5
Differentials (each)	(qt) 7
Winch	(qt) 13¼
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Chevrolet Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29½; left—29½
Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

ENGINE

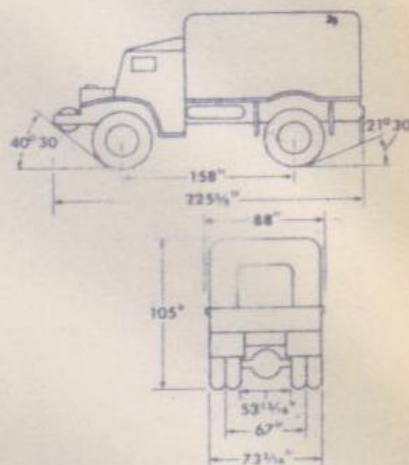
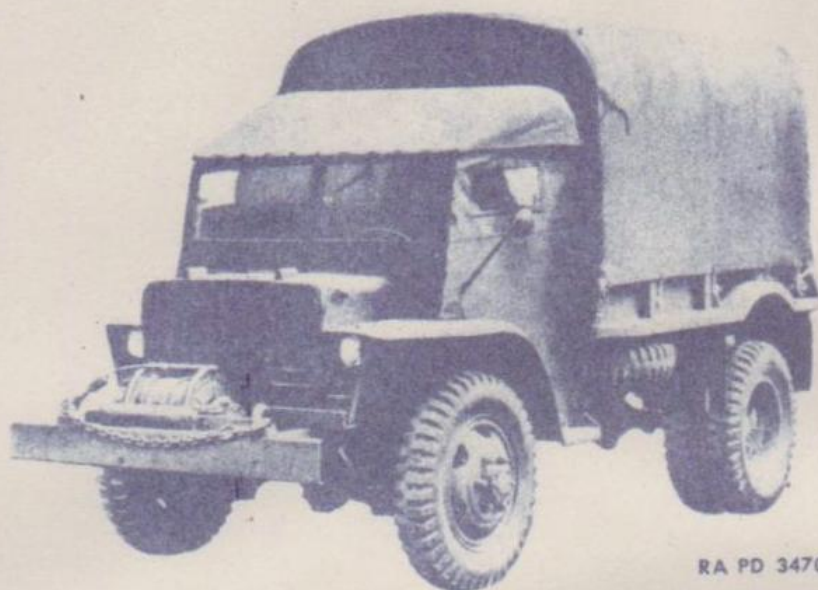
Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3½
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

*Data given is for vehicle with winch. For vehicle without winch, changes in data are as follows:

Weight (lb): Net—7,545 Payload—3,350 Gross—10,895	
Axle load (lb): Empty	Front—3,200; rear—4,345
Loaded	Front—3,610; rear—7,285
Length	(in.) 224
Shipping dimensions:	
Uncrated	(cu ft) 969.8; (sq ft) 133.7
Transmission capacity:	(qt) 2½
Angle of approach:	(deg) 45

TRUCK, 1½-TON, 4 x 4, CARGO (W/WINCH)



RA PD 347068

Manufacturer: Ford Motor Co.
Classification: Standard.

Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew:	2
Weight (lb): Net—7,250 Payload—3,000 Gross—10,250	
Rear axle: Gear ratio	6.66:1
Axle load (lb): Loaded	Front—4,043; rear—6,207
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—57½
Shipping dimensions: Uncrated (cu ft) 1,396	(sq ft) 153.4
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 49
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transmission	(qt) 2½
Differentials (each)	(qt) 2½
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Ford	Type—hydraulic
Dimensions (in.)	Front—2; rear—3½
Transmission: Speeds	4
(Gear ratio: High—Direct, Low—6.4:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.87:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 42.23
Turning radius (ft):	Right—32; left—32
Fording depth:	(in.) 25
Fuel consumption (loaded):	(mpg) 9

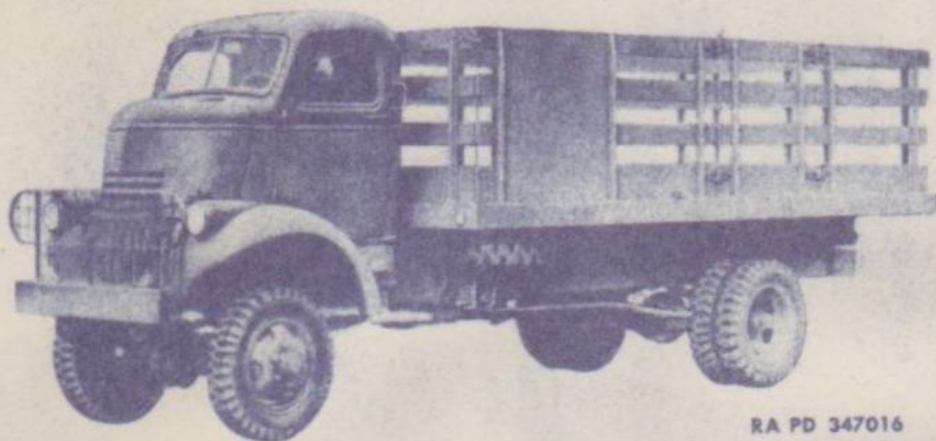
Cruising range (loaded):	(mi) 441
Allowable speed:	(mph) 45

ENGINE

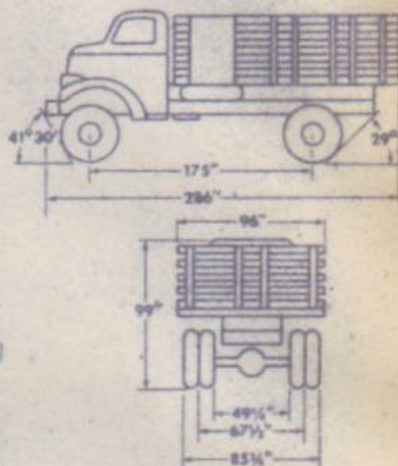
Manufacturer: Ford	Model: G8T
Type: L head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 225.78
Bore:	(in.) 3½
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 3,400
Brake horsepower:	90.7 at (rpm) 3,400
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, COMBINATION STAKE AND PLATFORM, C.O.E.



RA PD 347016



Technical Manuals: 9-885, 9-1765A,
9-1765B, 9-1825A, 9-1827B,
9-1829A

Parts List: SNL G-586

Manufacturer: Chevrolet Motor Division (GMC).

Purpose: To transport general cargo.

Classification: Limited standard.

GENERAL DATA

Crew:	2
Weight (lb): Net—8,570 Payload—3,350 Gross—11,920	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—4,775; rear—7,145
Empty	Front—4,070; rear—4,500
Tires: Ply—8 Size—7.50 x 20; Pressure (lb), Front—55; rear—55	
Tread, center to center (in.):	Front—60½
Shipping dimensions: Uncrated (cu ft) 1,630.3 (sq ft) 197.6	
Vehicle dimensions:	
Ground clearance	(in.) 9½
Pintle height (loaded)	(in.) 28½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 2½
Differentials (each)	(qt) 7
Brakes: Manufacturer—Chevrolet Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—32; left—32

Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 43
Maximum recommended towed load:	(lb) 4,000

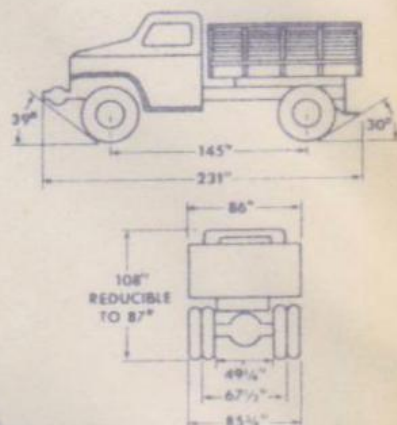
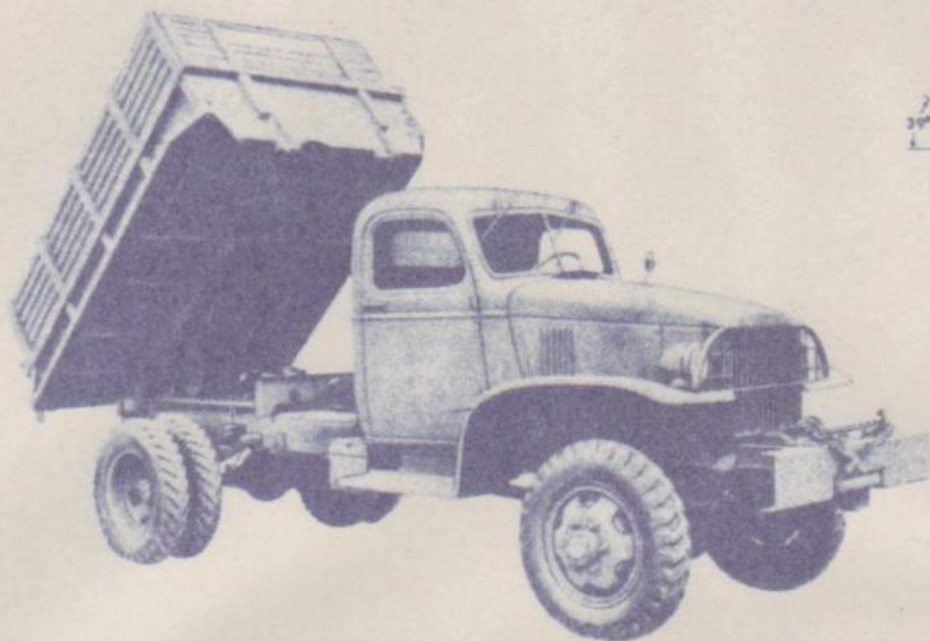
ENGINE

Manufacturer: Chevrolet	Model BVA-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3½
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 2,850
Brake horsepower:	80 at (rpm) 3,000
Torque:	179 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Gas tank filler neck extends 3½ inches beyond over-all width.

TRUCK, 1½-TON, 4 x 4, DUMP



Technical Manuals: 9-805, 9-1765A,
9-1765B
Parts List: SNL G-506

RA PD 347120

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Substitute standard.

Purpose: To transport and dump earth, sand, gravel, coal,
etc., and to carry general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—9,010	Payload—3,350 Gross—12,360
Axle load (lb): Loaded	Front—4,450; rear—7,910
Empty	Front—4,040; rear—4,970
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60½
Shipping dimensions:	
Uncrated	(cu ft) 1,000.2; (sq ft) 137.9
Vehicle dimensions:	
Loading height (empty)	(in.) 48
Length (over-all) without winch	(in.) 224
Ground clearance	(in.) 9½
Pintle height (loaded)	(in.) 29
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17¼
Crankcase (refill)	(qt) 5
Transmission	(qt) 5¼
Differentials (each)	(qt) 7
Winch	(qt) 1¼
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29½; left 29½
Fording depth:	(in.) 29
Allowable speed: Governed at	(mph) 48
Maximum recommended towed load:	(lb) 4,000

ENGINE

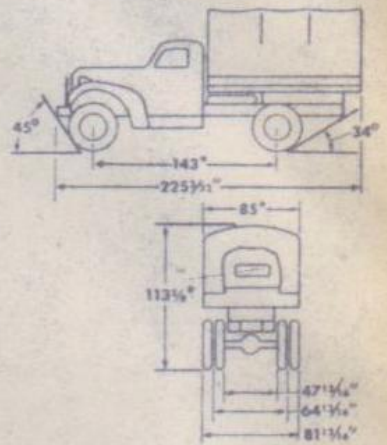
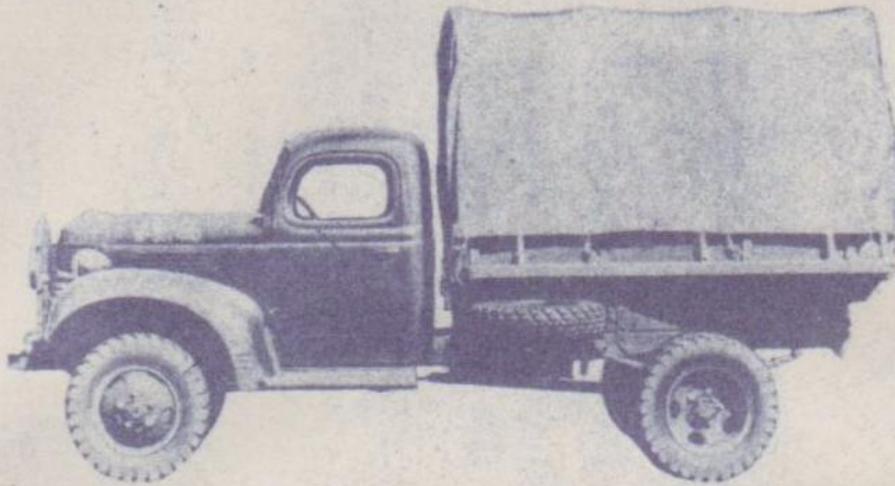
Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 5
Displacement:	(cu in.) 235.5
Bore:	(in.) 3½
Stroke:	(in.) 3½¼
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft lb at (rpm) 1,000

ADDITIONAL DATA

Data given is for vehicle with winch. For vehicle without winch, changes in data are as follows:

Weight (lb): Net—8,365	Payload—3,350	Gross—11,715
Axle load (lb): Empty	Front—3,425; rear—4,940	
Loaded	Front—3,835; rear—7,880	
Shipping dimensions:		
Uncrated	(cu ft) 969.8; (sq ft) 133.7	
Transmission capacity:	(qt) 3¼	
Angle of approach:	(deg) 45	

TRUCK, 1½-TON, 4 x 4, DUMP



Technical Manuals: 10-1179, 10-1193
Parts List: SNL G-621

RA PD 347018

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Substitute standard.

Purpose: To transport and dump earth, sand, gravel, coal, etc., and to carry general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net—7,850 Payload—3,000 Gross—10,850	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—3,450; rear—7,400
Empty	Front—3,290; rear—4,560
Tires: Ply—8; Size—7.00 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.)	Front—64 1/2
Shipping dimensions: Uncrated (cu ft) 1,261.14 (sq ft) 132.86	
Vehicle dimensions (over-all):	
Loading height (empty)	(in.) 50 1/2
Ground clearance	(in.) 9 1/2
Pintle height (loaded)	(in.) 31 3/4
(empty)	(in.) 33 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 25
Cooling system	(qt) 20 1/2
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2 1/4
Transmission	(qt) 3
Differentials, each	(qt) 2
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions	(in.) 21 1/2
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.00:1; Low—1.87:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 79.9
Turning radius (ft):	Right—28 1/4; left—28 3/4

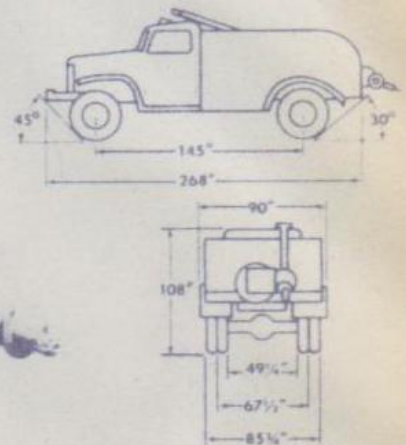
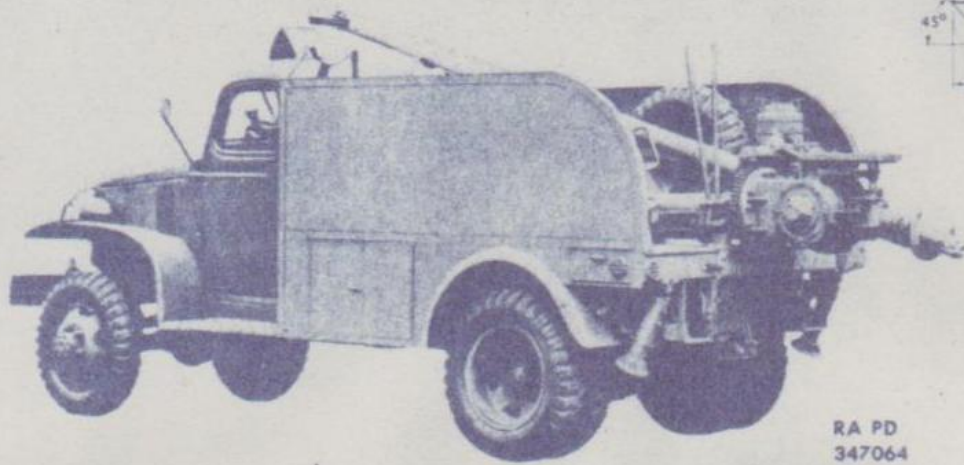
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 7
Cruising range (loaded):	(mi) 175
Allowable speed:	(mph) 47
Maximum recommended towed load:	(lb) 3,000

ENGINE

Manufacturer: Dodge	Model T-203
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 241.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	99 at (rpm) 3,000
Torque:	188 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, EARTH AUGER



RA PD
347064

Technical Manuals: 9-805,
9-805 (C1), 9-1765A, 9-1765B,
9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).
Make of vehicle illustrated: Chevrolet; equipment by
Buda Auger, Model HBG-40.

Purpose: Used by Signal Corps:
for drilling holes and pole setting. Signal Corps nomen-
clature: Truck, 1½-ton, 4 x 4, Earth Borer and Pole
Setter, K-44. (See additional data.)

GENERAL DATA

Crew:	2
Weight (lb):	Gross—12,535
Rear axle: Gear ratio:	6.67:1
Axle load (lb): Loaded:	Front—3,640; rear—8,895
Tires: Ply—8 Size—7.50 x 20. Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60½
Shipping dimensions:	
Uncrated:	(cu ft) 1,507.5; (sq ft) 167.5
Vehicle dimensions:	
Ground clearance:	(in.) 9½
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel:	(gal) 30
Cooling system:	(qt) 17¼
Crankcase (refill):	(qt) 5
Transmission:	(qt) 2¼
Differentials (qt):	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2; rear—3
Transmission: Speeds:	4
(Gear ratio: High—direct: Low—7.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct: Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—29½; left—29½
Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 48

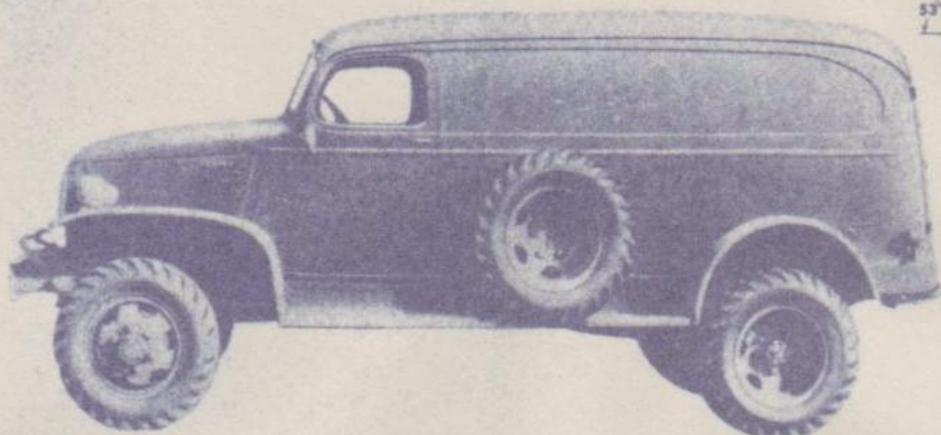
ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3¾
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft·b at (rpm) 1,000

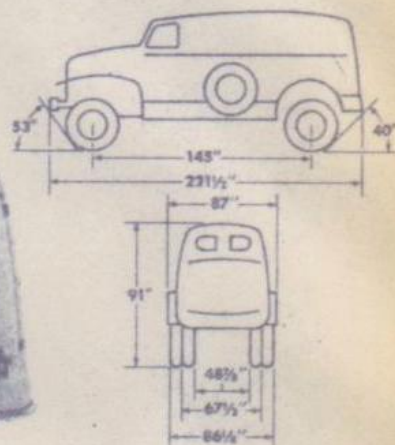
ADDITIONAL DATA

Auger Engine—Make, Buda; Model HP217; 4 cylinders; bore and stroke, 3¾ x 4½; brake horsepower, 43 at 1,600 rpm; maximum governed speed, 1,600 rpm.
Capacities: Fuel, 10 gals gasoline; crankcase (oil) 5 qt, transmission 4 qt, differential 6 qt; length of Auger base, 126 in.

TRUCK, 1 1/2-TON, 4 x 4, PANEL DELIVERY



RA PD 347005



Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).

Classification: Standard.

Purpose: To transport general cargo. Also designated K-51 as used by Signal Corps to house and transport radio equipment, including SCR-299.

GENERAL DATA

Crew:	2
Weight (lb): Net—6,760; Payload—3,350; Gross—10,110	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,870; rear—6,240
Empty	Front—3,330; rear—3,430
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions: Uncrated (cu ft) 1,014.7	(sq ft) 133.7
Vehicle dimensions:	
Loading height (empty)	(in.) 39
Ground clearance	(in.) 9 3/4
Pintle height (loaded)	(in.) 29
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17 1/4
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 25 1/4
Differential (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.66:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2

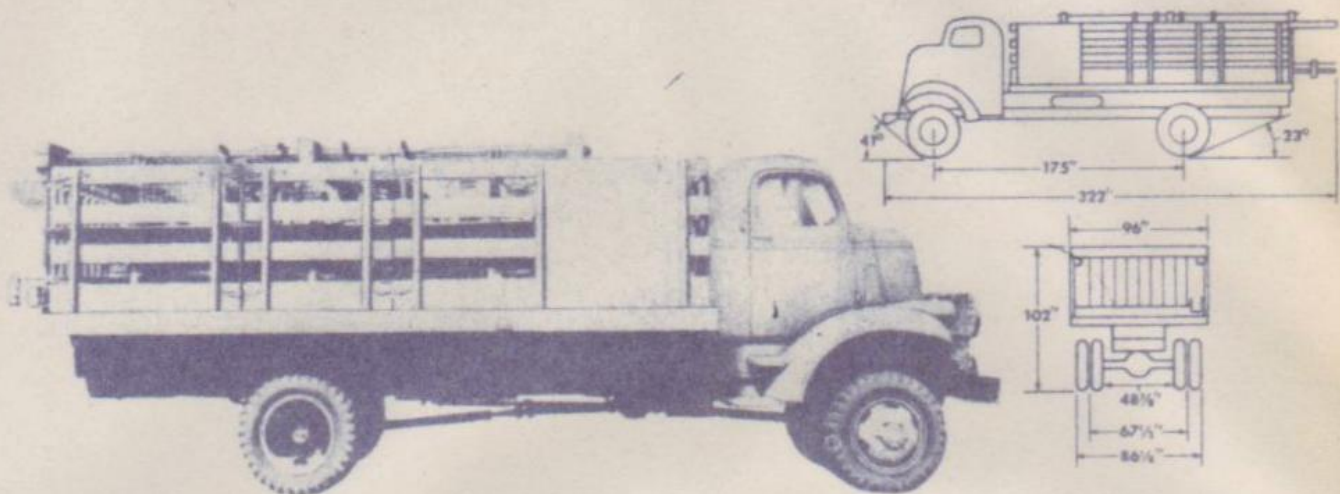
Fording depth:	(in.) 29
Fuel consumption (loaded)	(mpg) 9
Cruising range (loaded)	(mi) 270
Allowable speed (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 1/8
Stroke:	(in.) 3 1/8
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, STAKE AND PLATFORM, K-33, C.O.E.



RA PD 347151

Technical Manuals: 9-885, 9-1765A,
9-1765B, 9-1828A, 9-1827B, 9-1829A

Parts List: SNL G-586

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Limited standard.

Purpose: Used by Army Air Forces to transport components of radio equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—8,965 Payload—1,215 Gross—10,180	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Empty	Front—4,290; rear—4,675
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60½
Shipping dimensions:	
Uncrated	(cu ft) 1,825; (sq ft) 215
Ground clearance:	(in.) 9½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission (main)	(qt) 23¼
Differentials (each)	(qt) 7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

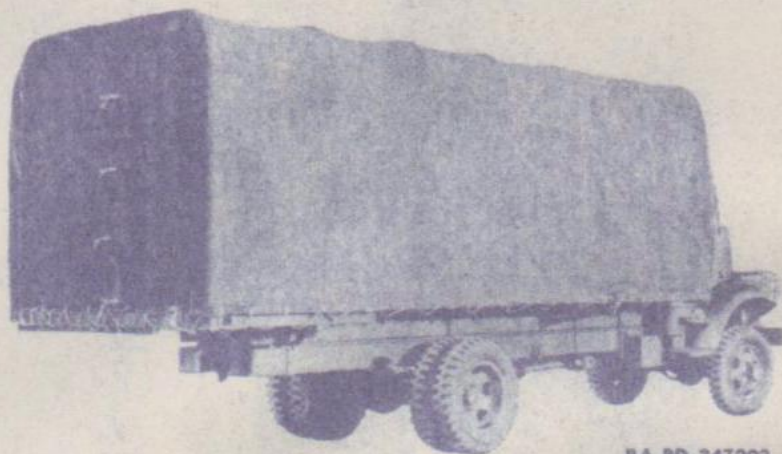
Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—32; left—32
Fording depth:	(in.) 29
Allowable speed: (governed at)	(mph) 43
Maximum recommended towed load:	(lb) 4,000

ENGINE

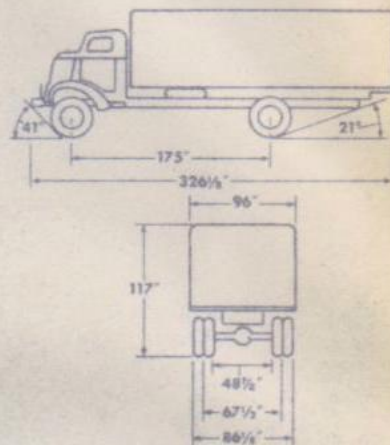
Manufacturer: Chevrolet	Model: BVA-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3¾
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 2,850
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 4, STAKE AND PLATFORM, K-54, C.O.E.



RA PD 347203



Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).
Classification: Standard when part of radio set SCR-270.

Purpose: Used by Army Air Forces to transport components of radio equipment.

GENERAL DATA

Crew	2
Weight (lb): Net—8,965	Payload—2,970* Gross—*11,935
Rear axle: Gear ratio	6.67:1
Axle load (lb):	
Empty	Front—4,290; rear—7,545
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)	Front—55; rear—55
Tread, center to center (front)	(in.) 60½
Shipping dimensions: Uncrated	(cu ft) 2,121; (sq ft) 217½
Vehicle dimensions:	
Ground clearance	(in.) 9½
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 2½
Differentials (each)	(qt) 7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydropneumatic
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 65
Turning radius (ft):	Right—32; left—32
Fording depth	(in.) 29
Allowable speed (governed)	(mph) 43

ENGINE

Manufacturer: Chevrolet	Model BVA-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 235.5
Bore	(in.) 3½
Stroke	(in.) 3½
Maximum governed speed	(rpm) 2,850
Brake horsepower	80 at (rpm) 3,000
Torque	179 ft-lb at (rpm) 1,000

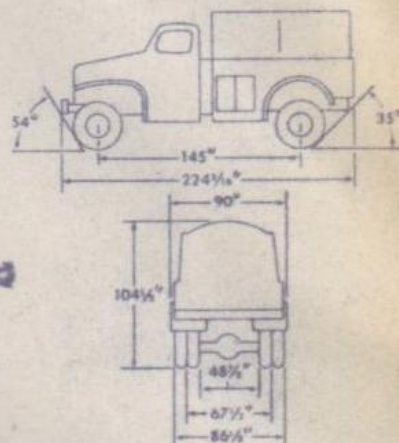
ADDITIONAL DATA

*Weights with equipment of radio set SCR-270.

TRUCK, 1½-TON, 4 x 4, TELEPHONE CONSTRUCTION AND MAINTENANCE, K-42 AND K-43



RA PD
347001



Technical Manuals: 9-885, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).
Classification: K-42 limited standard. K-43 standard.

Purpose: Used by Signal Corps to provide mobile facilities
for telephone construction and maintenance equipment.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—12,300
Rear axle: Gear ratio:	6.67:1
Axle load (lb): Loaded:	Front—4,250; rear—8,050
Tires: Ply—8; Size—7.50-20; Pressure (lb)—Front:	55; rear—55
Tread, center to center (in.):	Front—60½
Shipping dimensions:	
Uncrated:	(cu ft) 1,220; (sq ft) 141
Vehicle dimensions (over-all):	
Loading height (empty):	(in.) 44
Ground clearance:	(in.) 10
Pintle height (in.):	Loaded 29½; empty—32
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 35
Cooling system:	(qt) 17¼
Crankcase (refill):	(qt) 5
Transmission:	(qt) 2¼
Differential (qt):	Front—7; rear—7
Brakes: Manufacturer—Chevrolet:	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2; rear—3
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—29½; left—29½
Fording depth:	(in.) 29
Angle of approach:	(deg) 54

Angle of departure:	(deg) 35
Allowable speed (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

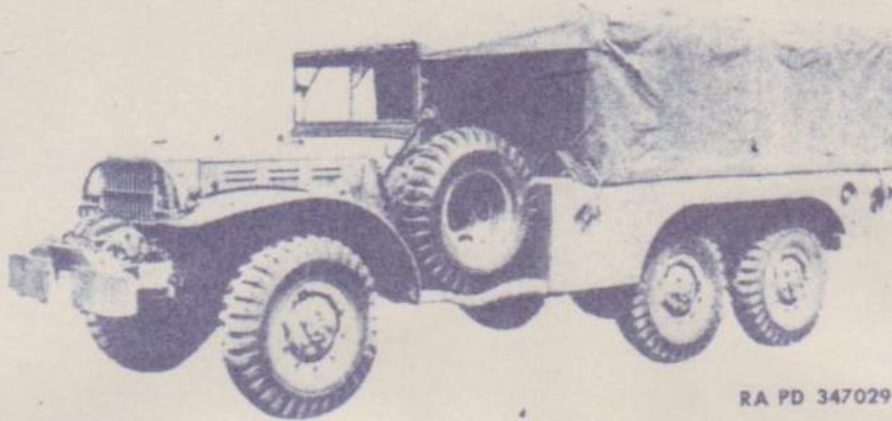
ENGINE

Manufacturer: Chevrolet:	Model BV-1001VP
Type: Valve-in-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3¾
Stroke:	(in.) 3¼
Maximum governed speed:	(rpm) 1,100
Brake horsepower:	83 at (rpm) 1,000
Torque:	184 ft-lb at (rpm) 1,000

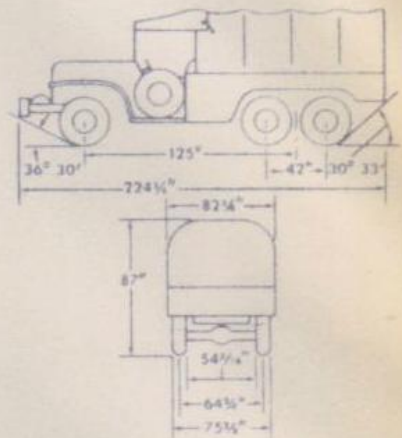
ADDITIONAL DATA

K-42 without winch; K-43 with winch in body compartment.

TRUCK, 1½-TON, 6 x 6, PERSONNEL AND CARGO (W/WINCH)



RA PD 347029



Technical Manuals: 9-818,
9-1808A, 9-1808B, 9-1825A,
9-1826A, 9-1826C, 9-1829A
Parts List: SNL G-507

Manufacturer: Chrysler Corporation, Dodge Division.
Classification: Standard.

Purpose: To transport personnel and general cargo.

GENERAL DATA

Crew:	2	Passengers (including crew)	17
Weight (lb): Net	7,550	Payload	3,300
		Gross	10,850
Rear axle: Gear ratio			5.83:1
Axle load (lb): Loaded		Front	3,415; rear — 7,435
		Empty	Front—3,315; rear— 4,235
Tires: Ply—8; Size—9.00 x 16.		Pressure (lb)—Front	40; rear—40
Tread, center to center (in.):		Front	64 3/4
Shipping dimensions:			
Uncrated		(cu ft)	936.36; (sq ft) 129.15
Vehicle dimensions:			
Loading height—Empty		(in.)	31
Ground clearance		(in.)	10 1/2
Pintle height—Loaded		(in.)	27 1/4
Empty		(in.)	27 1/4
Electrical system:		(volts)	6
No. of batteries			1
Capacities:			
Fuel (70 octane gasoline)		(gal)	30
Cooling system		(qt)	17
Crankcase (refill)		(qt)	5
Transfer case		(qt)	2 1/2
Transmission		(qt)	3 3/4
Differentials (each)		(qt)	2 1/2
Winch		(qt)	1
Winch: (load capacity)		(lb)	7,500
Brakes: Manufacturer—Dodge		Type	hydraulic
Dimensions		(in.)	1 3/4
Transmission: Speeds			4
(Gear ratio: High—1.00:1; Low—6.40:1)			
Transfer case: Speeds			2
(Gear ratio: High—1.00:1; Low—1.50:1)			

PERFORMANCE

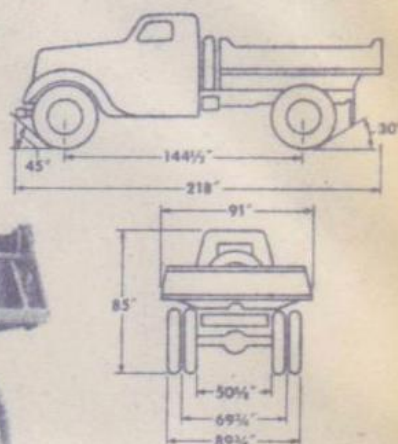
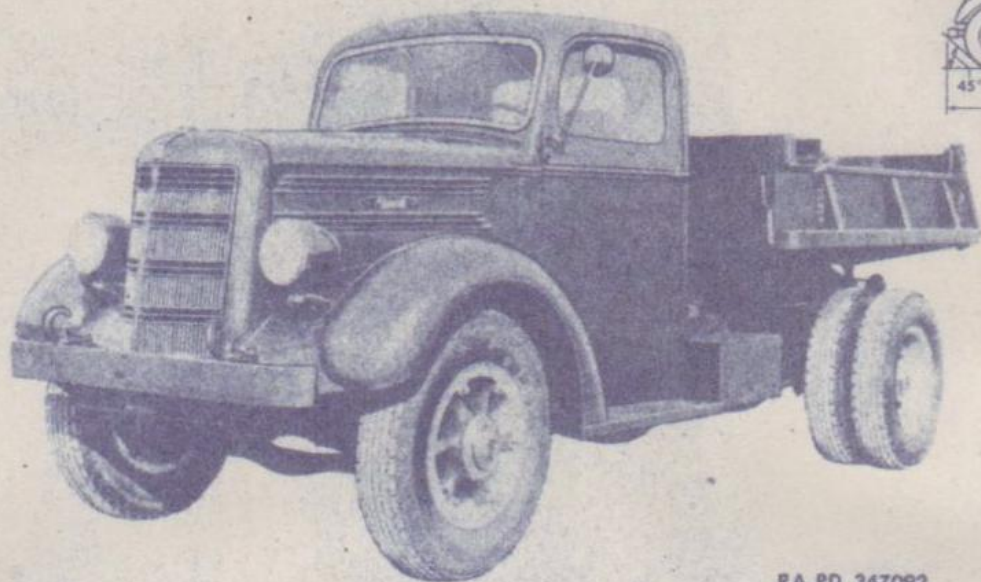
Maximum computed gradability:	(percent)	55
Turning radius:	Right—27' 1"; left—27' 1"	
Fording depth:	(in.)	34
Fuel consumption (loaded):	(mpg)	8
Cruising range (loaded):	(mi)	240
Allowable speed:	(mph)	50
Maximum recommended towed load:	(lb)	3,500

ENGINE

Manufacturer: Dodge	Model	T-223
Type: L-head, 4-cycle	No. of cylinders (in line)	6
Displacement:	(cu in.)	230.2
Bore:	(in.)	3 1/4
Stroke:	(in.)	4 1/4
Maximum governed speed:	(rpm)	3,200
Brake horsepower:	92 at (rpm)	3,200
Torque:	180 ft.-lb at (rpm)	1,200

ADDITIONAL DATA

TRUCK, 2½-TON, 4 x 2, DUMP



Parts List: SNL G-624

RA PD 347092

Manufacturer: Mack Manufacturing Corporation.

Purpose: To haul and dump earth, sand, gravel, coal, etc.

GENERAL DATA

Crew	3
Weight (lb): Net—8,450 Payload—5,000 Gross—13,450	
Rear axle: (Gear ratio 6.85:1)	
Axle load (lb): Loaded	Front—4,120; rear—9,330
Empty	Front—3,585; rear—4,865
Tires: Ply—10; Size—8.25 x 20; Pressure (lb)—Front—60; rear—60	
Tread, center to center (in.):	Front—63
Shipping dimensions:	
Uncrated	(cu ft) 929; (sq ft) 138
Vehicle dimensions:	
Loading height (empty)	(in.) 32½
Ground clearance	(in.) 9
Pintle height (loaded)	(in.) 25½
Electrical system:	(volts) 12
No. of batteries	(6 volts each) 2
Capacities:	
Fuel (70 octane gasoline)	(gal) 24
Cooling system	(qt) 28
Crankcase (refill)	(qt) 13
Transmission	(qt) 6
Differential	(qt) 13
Brakes: Manufacturer—Wagner	Type—hydraulic
Dimensions (in.)	Front—21¼; rear—4
Transmission: Speeds	5
(Gear ratio: High—1:1; Low—7.53:1)	

PERFORMANCE

Maximum computed gradability	(percent) 45
Turning radius (ft):	Right—27.4; left—28.8
Fording depth	(in.) 38½
Fuel consumption (loaded):	(mpg) 6.8

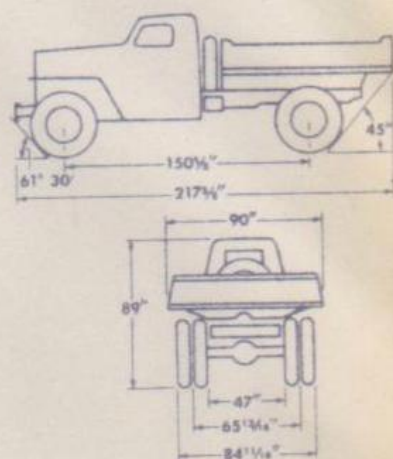
Cruising range	(loaded) 163
Allowable speed:	(mph) 45

ENGINE

Manufacturer: Mack	Model FK
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 290
Bore:	(in.) 3¾
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91 at (rpm) 2,750
Torque:	200 ft-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 2½-TON, 4 x 2, DUMP



Parts List: SNL G-539

RA PD 347114

Manufacturer: Federal Motor Truck Co.

Purpose: To transport and dump earth, sand, gravel, etc., and to transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—7,975 Payload—5,000 Gross—12,975	
Rear axle: Gear ratio	7.25:1
Axle load (lb): Loaded	Front—3,830; rear—9,145
Empty	Front—3,425; rear—4,550
Tires: Ply—10; Size—8.25 x 20; Pressure (lb)—Front—60; rear—60	
Tread, center to center (in.):	Front—63½
Shipping dimensions:	
Uncrated	(cu ft) 1,010; (sq ft) 135.8
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 31
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 22
Crankcase (refill)	(qt) 6
Transmission	(qt) 7
Differential	(qt) 7½
Brakes: Manufacturer—Timken-Bendix; Type—hydraulic-hydrovac	
Dimensions (in.):	Front—2; rear—3½
Transmission: Speeds	5
(Gear ratio: High—direct; Low—6.06:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 50
Turning radius (ft):	Right—25; left—25
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 6¼
Cruising range (loaded):	(mi) 250

Allowable speed:	(mph) 54
Maximum recommended towed load: (on highways)	(lb) 12,000

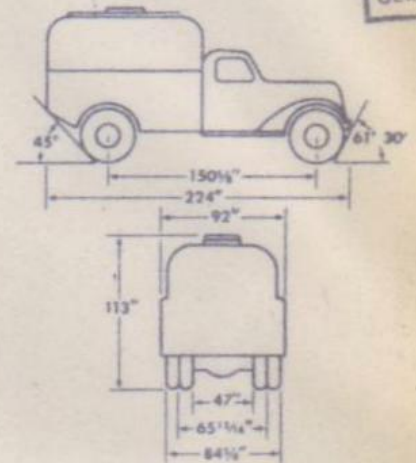
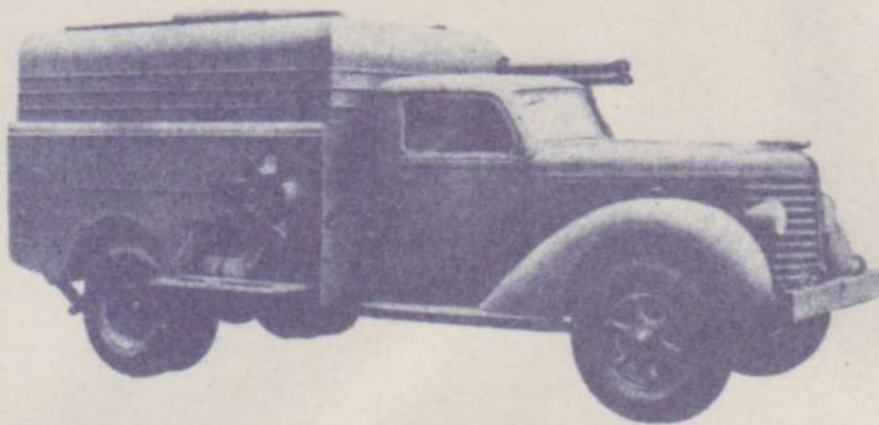
ENGINE

Manufacturer: Hercules	Model JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4¼
Maximum governed speed:	(rpm) 2,800
Brake horsepower:	85 at (rpm) 2,400
Torque:	228 ft-lb at (rpm) 800

ADDITIONAL DATA

TRUCK, 2½-TON, 4x2, TELEPHONE CONSTRUCTION AND MAINTENANCE

R & V -
GEREGIST



RA PD 347322

Technical Manuals: 9-821, 9-1821,
9-1825B, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A

Parts List: SNL G-539

Manufacturers: Federal Motor Truck Co., and Diamond T Motor Car Co.

Classification: Standard.

Make of vehicle illustrated: Diamond T.

Purpose: Used by Signal Corps to provide mobile facilities for telephone maintenance and construction.

GENERAL DATA

Crew	2
Weight (lb): Net—10,204 Payload—5,000 Gross—15,204	
Rear axle: Gear ratio	7.25:1
Axle load (lb): Loaded	Front—3,760; rear—11,444
Empty	Front—3,700; rear— 6,504
Tires: Ply—10; Size—8.25 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—53½
Shipping dimensions: Uncrated	(cu ft) 1,290; (sq ft) 143.1
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 31
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70-72 octane gasoline)	(gal) 24
Cooling system	(qt) 22
Crankcase (refill)	(qt) 6
Transmission (main)	(qt) 7
Differential	(qt) 7½
Brakes: Manufacturer—Timken-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2; rear—3½
Transmission: Speeds	5
(Gear ratio: High—direct; Low—6.60:1)	

PERFORMANCE

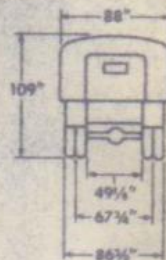
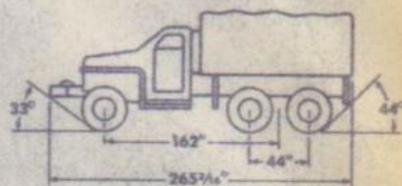
Maximum computed gradability	(per cent) 50
Turning radius (ft):	Right—25; left—25
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 6
Cruising range (loaded)	(mi) 144
Allowable speed:	(mph) 54
Maximum recommended towed load: On highways	(lb) 10,000

ENGINE

Manufacturer: Hercules	Model JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 2,800
Brake horsepower:	86 at (rpm) 2,400
Torque:	128 ft-lb at (rpm) 800

ADDITIONAL DATA

TRUCK, 2½-TON, 6 x 4, CARGO



Technical Manuals: 9-807, 9-1907,
9-1825A, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-630

RA PD 347065

Manufacturer: Studebaker Corporation.
Classification: Substitute standard.

Make of vehicle illustrated: Studebaker.
Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—9,615	Payload—10,000
	Gross—19,615
Rear axle: Gear ratio:	5.6:1
Axle load (lb): Loaded	Front—4,415; rear—15,200
	Empty
	Front—3,405; rear—6,210
Tires: Ply—8	Size—7.50 x 20; Pressure (lb)—Front—55; rear—55
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
Uncrated (w/o winch)	(cu ft) 1,435; (sq ft) 157.4
w/Winch	(cu ft) 1,477; (sq ft) 162
Vehicle dimensions:	
Length (w/o winch)	(in.) 257 3/4
Loading height (empty)	(in.) 47 3/4
Ground clearance	(in.) 10
Pintle height (loaded)	(in.) 30 3/4
(Empty)	(in.) 32 3/4
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase (refill)	(qt) 6
Transfer case	(qt) 3 1/2
Transmission	(qt) 4 1/2
Differentials (each)	(qt) 3 1/2
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Wagner	Type—hydraulic-vacuum
Dimensions	(in.) 2 1/4
Transmission: Speeds	5
(Gear ratio: High—0.799:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.155:1; Low—1.821:1)	

PERFORMANCE

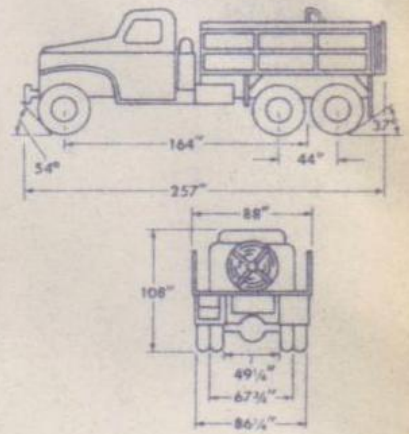
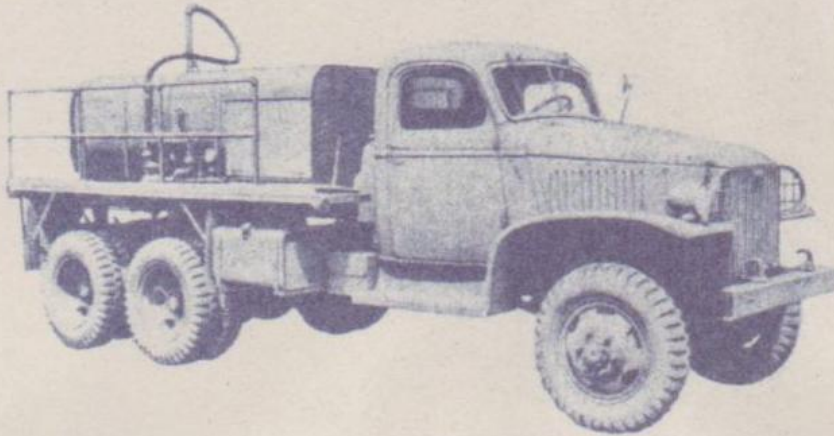
Maximum computed gradability:	(per cent) 49.5
Turning radius (ft):	Right—34' 8"; left—35' 1 1/4"
Fording depth:	(in.) 30
Angle of approach (w/o winch):	(deg) 41° 30'
Fuel consumption (loaded):	(mpg) 5.9
Cruising range (loaded):	(mi) 236
Allowable speed:	(mph) 45

ENGINE

Manufacturer: Hercules	Model JXD
Type: L head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 1,620
Brake Horsepower:	87 at (rpm) 2,400
Torque:	228 ft-lb at (rpm) 1,200

ADDITIONAL DATA

APPARATUS, DECONTAMINATING, POWER DRIVEN, M3A1 (CHASSIS: TRUCK, 2 1/2-TON, 6 x 6)



RA PD 347127

Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

Manufacturers: Chassis—General Motors Truck and Coach Division (GMC); Equipment—John Bean Mfg. Co.; A. B. Farquhar Co.

Classification: Limited standard.

Purpose: Used by Chemical Warfare Service to transport decontamination material and spraying equipment, and for fire fighting, water hauling, and shower baths.

GENERAL DATA

Crew:	2
Weight (lb): Net—9,910 Payload—5,000 Gross—14,910	
Rear axle: Gear ratio:	6.6:1
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,414; (sq ft) 157
Vehicle dimensions:	
Ground clearance	(in.) 10
Fintle height (loaded)	(in.) 34
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7 1/2
Transfer case	(qt) 3
Transmission (main):	(qt) 4 1/2
Differentials (qt)	Front—3; bogie, front—3; rear—2 1/2
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2 1/2; rear—3
Transmission: Speeds	5
(Gear ratio: High—7.99:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—34; left—35
Fuel consumption (loaded):	(mpg) 7.5
Cruising range (loaded):	(mi) 240
Allowable speed:	(mph) 45

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

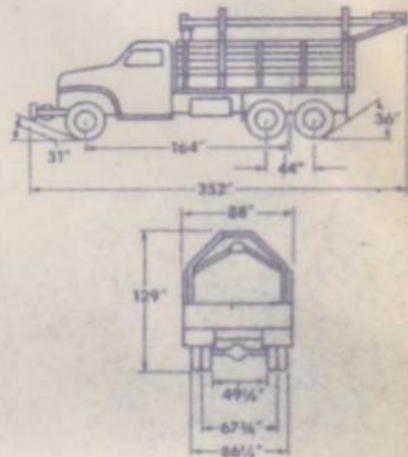
ADDITIONAL DATA

Same chassis used with similar decontaminating apparatus, M3, M3A2, and M4.

Above data is for vehicles with split type axle, for banjo type axle data as follows:

Tread (in.)	Front—60; rear—67 1/2
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Brake dimension (front)	(in.) 2
Capacities:	
Differentials (qt)	Front—6 1/4; bogie, front—6 1/2; rear—5 1/4
Transfer case	(qt) 2 1/4

TRUCK, 2½-TON, 6 x 6, BOMB SERVICE, M27 AND M27B1



Technical Manuals: 9-766, 9-801,
9-1501, 9-1502A, 9-1825A, 9-1826C,
9-1827B, 9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-505

RA PD 347081

Manufacturer: General Motors Truck and Coach Division
(GMC).

Classification: M27B1 Standard;
M27 substitute standard.

Purpose: To lift and transport bombs from depots to
planes and airfields.

GENERAL DATA

Crew:	2
Passengers (including crew):	4
Weight (lb): Net—14,115 Payload—5,158 Gross—19,273	
Rear axle: Gear ratio	6.6:1
Tires: Ply—8 Size—7.50 x 30; Pressure (lb)—Front—55; rear—55	
*Tread, center to center (in.):	Front—62½
Shipping dimensions: Uncrated (cu ft) 2,312.4	(sq ft) 215.1
Vehicle dimensions (loading height, empty):	(in.) 48½
Ground clearance	(in.) 9½
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 6½
Differentials (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.61:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30

Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 7,500

ENGINE

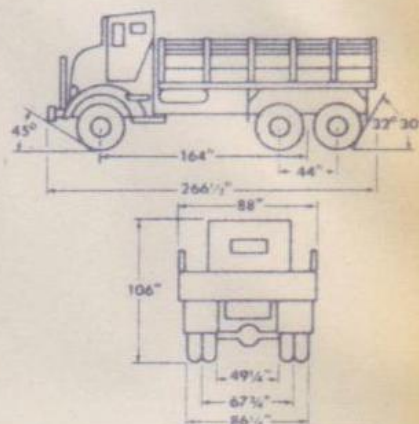
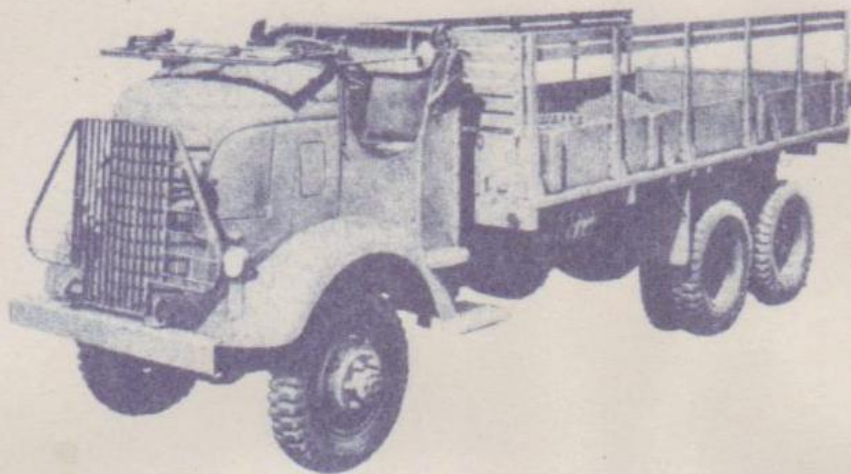
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3¾
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

*Data given is for split type axle. For banjo type axle changes in data are as follows:

Tread, center to center (in.)	Front—60; rear—67½
Outside to outside (in.) 85	Inside to inside (in.) 49
Capacities:	
Transfer case	(qt) 2½
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½
Brake dimensions (in.)	Front—2

TRUCK, 2½-TON, 6 x 6, CARGO, 15 FT BODY, C.O.E.



Technical Bulletin: 9-1801-1
 Technical Manuals: 9-809, 9-1801,
 9-1802A, 9-1825A,
 9-1826C, 9-1827B, 9-1827C, 9-1828A,
 9-1829A
 Parts List: SNL G-508

RA PD 347045

Manufacturer: General Motors Truck and Coach
 Division (GMC).

Classification: Standard.
 Purpose: To transport general cargo and personnel.

GENERAL DATA

Crew:	2
Weight (lb): Net—10,800 Payload—5,350 Gross—16,150	
Rear axle: Gear ratio	5.6:1
Axle load (lb): Loaded	Front—5,148; rear—11,002
Empty	Front—4,439; rear—6,361
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
*Tread, center to center (in.):	Front—62¼
Shipping dimensions:	
Uncrated	(cu ft) 1,357.2; (sq ft) 162.8
Vehicle dimensions:	
Loading height (empty)	(in.) 49½
Ground clearance:	(in.) 9¾
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase (refill)	(qt) 7½
Transmission	(qt) 4½
Transfer case:	(qt) 3
Differentials (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30

Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

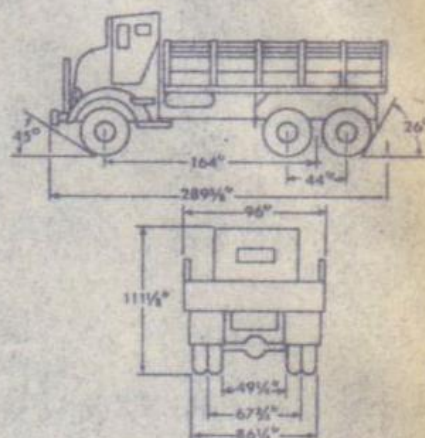
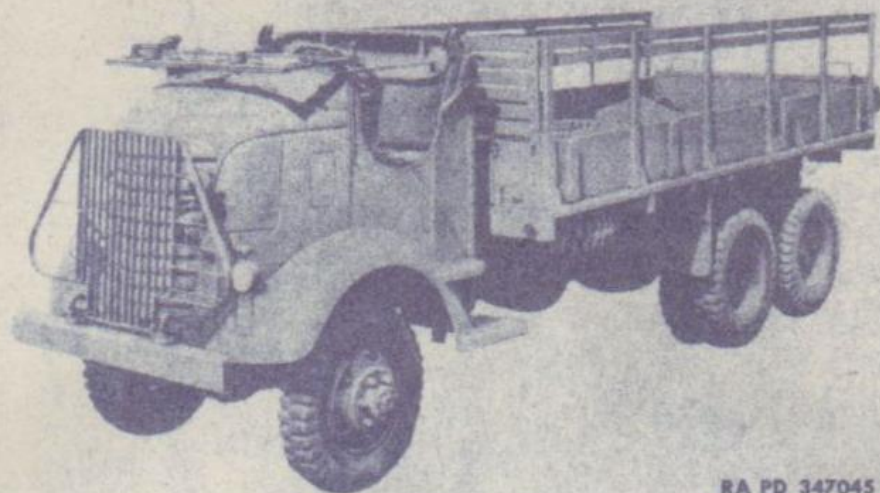
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

*Data in form submitted for vehicle with split type axle. For banjo type data as follows:

Tread dimensions:	
Front	(in.) 60
Rear	(in.) 67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer case	(qt) 2¼
Differentials (qt)	Front—6¼
Bogie (qt)	Front—6½; rear—5¼
Brake dimension (in.)	Front—2

TRUCK, 2½-TON, 6 x 6, CARGO, 17 FT BODY, C.O.E.



RA PD 347045

Technical Bulletin: 9-1801-1
 Technical Manuals: 9-809, 9-1801,
 9-1802A, 9-1825A,
 9-1826C, 9-1827B, 9-1827C, 9-1828A,
 9-1829A
 Parts List: SNL G-508

Manufacturer: General Motors Truck and Coach
 Division (GMC).

Classification: Standard.
 Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,950	Payload—5,350
Gross—17,300	
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded:	Front—5,148; rear—12,152
Empty:	Front—4,439; rear—7,511
Tires: Ply—8	Size—7.50 x 20; Pressure (lb)—Front—55; rear—55
*Tread, center to center (in.):	Front—62¼
Shipping dimensions:	
Uncrated	(cu ft) 1,382; (sq ft) 193
Vehicle dimensions:	
Loading height (empty)	(in.) 49½
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 4½
Differential (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-vacuum
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: High—.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability: (percent) 65

Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7¼
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

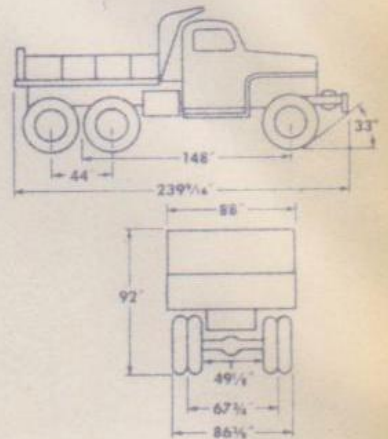
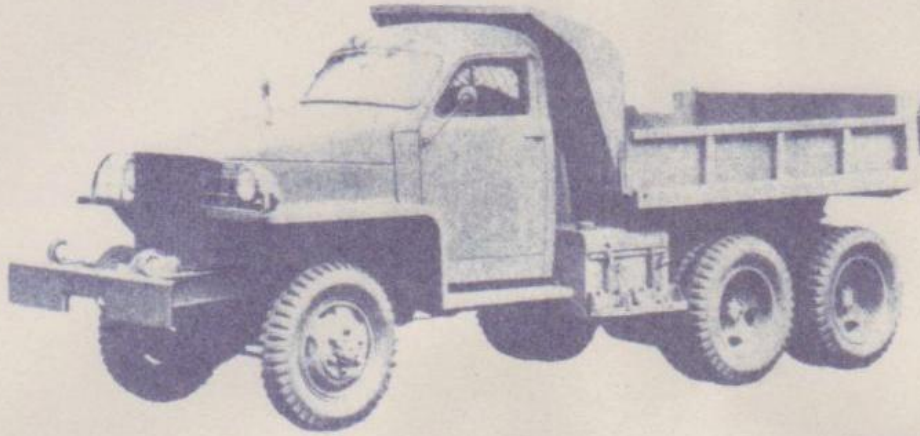
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 209.5
Bore:	(in.) 3¾
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

*Data on form submitted for vehicle with split type axle. For banjo type data as follows:

Tread dimensions:	
Front	(in.) 60
Rear	(in.) 67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer case	(qt) 2½
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½
Brake dimension (in.)	Front—2

TRUCK, 2½-TON, 6x6, DUMP



Technical Manuals: 9-807, 9-1807,
9-1825B, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-630

RA PD 347091

Manufacturer: The Studebaker Corp.
Classification: Standard.

Purpose: To transport and dump earth, sand, gravel, coal,
etc., and to carry general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—10,760 Payload—10,000 Gross—20,760	
Rear axle: Gear ratio	6.6:1
Axle load (lb):	
Loaded	Front—5,225; rear—15,535
Empty	Front—4,675; rear—6,085
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
Uncrated (w/o winch)	(cu ft) 1086.9; (sq ft) 141.7
(w/ winch)	(cu ft) 1122.4; (sq ft) 146.4
Vehicle dimensions:	
Loading height (empty)	(in.) 50 1/8
Length (over-all): without winch	(in.) 232
Ground clearance	(in.) 10
Pintle height (loaded)	(in.) 30 7/8
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase	(qt) 6
Transfer case	(qt) 3 1/2
Transmission (main)	(qt) 4 1/2
Differentials (each)	(qt) 3 1/2
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—Wagner—BK Type—hydraulic-vacuum	
Dimensions	(in.) 2 1/4
Transmission: Speeds	5
(Gear ratio: High—0.799:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.155:1; Low—2.602:1)	

PERFORMANCE

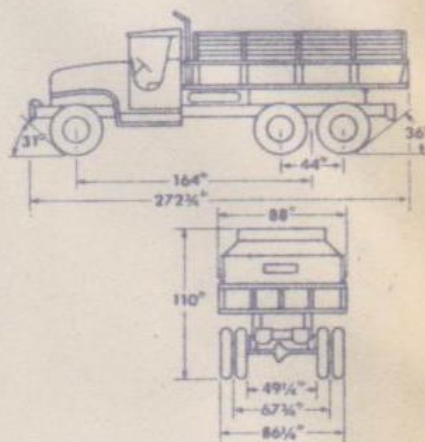
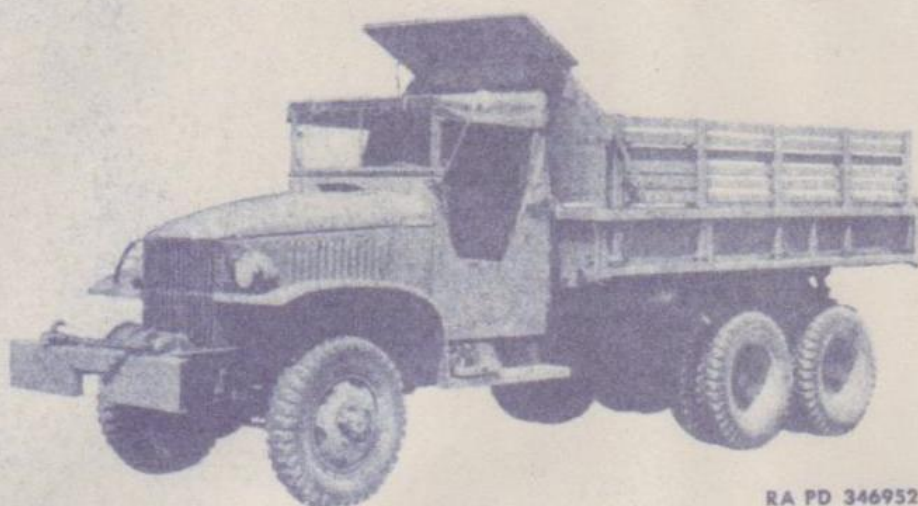
Maximum computed gradability:	(per cent) 60.6
Turning radius:	Right—31' 8"; left—32' 1"
Fording depth:	(in.) 30
Angle of approach (w/o winch)	41' 30"
Fuel consumption (loaded):	(mpg) 5
Cruising range (loaded):	(mi) 200
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,500

ENGINE

Manufacturer: Hercules	Model JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	87 at (rpm) 2,400
Torque:	228 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 2½-TON, 6 x 6, CARGO DUMP, LWB (W/WINCH)



Technical Manual: 9-801
Parts List: SNL G-508

RA PD 346952

Manufacturer: General Motors Truck and Coach Division
(GMC).

Classification: Standard.

Purpose: To transport and dump earth, sand, gravel, coal,
etc., and to carry general cargo.

GENERAL DATA

Crew	2
Weight (lb): Net—11,950	Payload—5,350 Gross—17,300
Rear axle: Gear ratio	6.6:1
Axle load (lb):	
Loaded	Front—6,180; rear—11,120
Empty	Front—4,900; rear—7,050
Tires: Ply—8 Size—7.50 x 70; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Banjo type axle tread as follows (in.):	
Front—60;	rear—67 1/2
Outside to outside—86	Inside to inside—49
Shipping dimensions: Uncrated	(cu ft) 1058; (sq ft) 166.6
Vehicle dimensions (in.):	Loading height (empty) 49 1/2
Ground clearance: 9 1/4	Pintle height—loaded 31 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7 1/2
Transfer case	(qt) 3
Transmission (main)	(qt) 6 1/2
Differentials (qt):	Front—3
Bogie	Front—3; rear—2 1/2
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC Bendix Type—hydraulic-hydraulic	
Dimensions (in.):	Front—2 1/4; rear—3
Transmission: Speeds	5
(Gear ratio: 4th—direct; High—7.99:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—35; left—35
Fording depth (in.):	30
Fuel consumption (loaded):	(mpg) 7 1/2
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	4,000

ENGINE

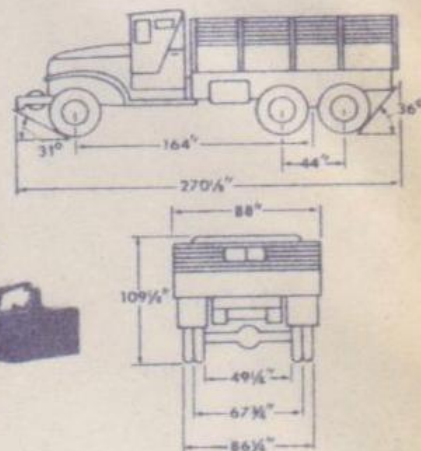
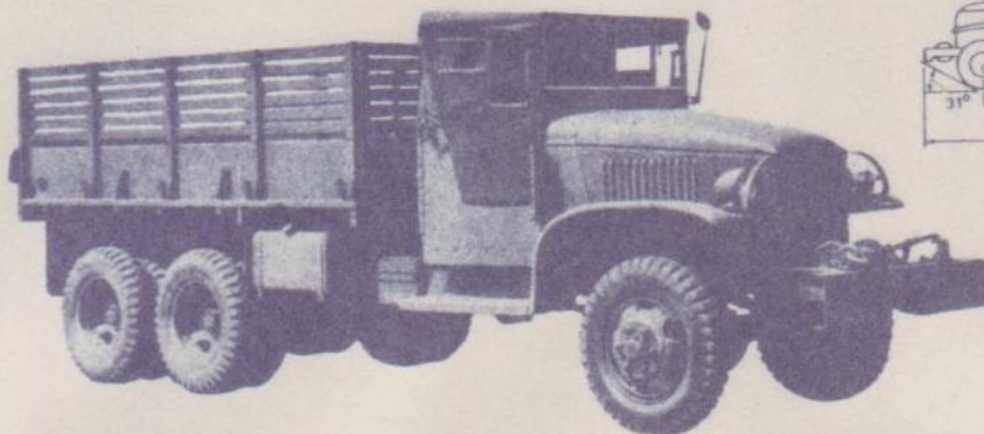
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 3/8
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft.-lb at (rpm) 1,400

ADDITIONAL DATA

Above data given for vehicles with split type axle. For vehicles with banjo type axle data as follows:

Brake dimension (in.):	Front—2
Capacities (qt):	
Transfer case	2 1/4
Differentials:	Front—6 1/2
Bogie	Front—6 1/2; rear—5 1/4

TRUCK, 2½-TON, 6 x 6, CARGO, LWB



RA PD 347057

Technical Manuals: 9-801, 9-1891,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

Manufacturer: General Motors Truck and Coach
Division (GMC).

Classification: Standard.
Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
*Weight (lb): Net—10,350 Payload—5,350 Gross—15,700	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—4,380; rear—11,320
Empty	Front—3,791; rear—6,559
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
**Tread, center to center (in.):	Front—62¼
Shipping dimensions:	
Uncrated	(cu ft) 991; (sq ft) 165
Vehicle dimensions:	
Loading height (empty)	(in.) 48½
Length (over-all)	Without winch—256¼
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 6½
Differentials (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over, 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Angle of approach (w/o winch):	(deg) 54
Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

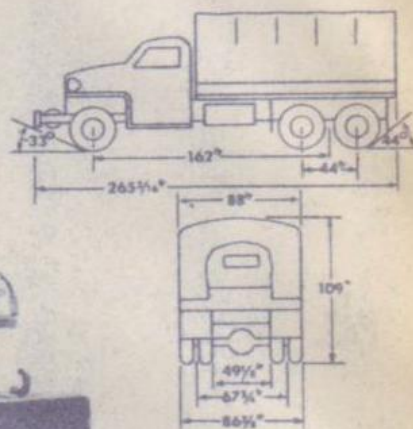
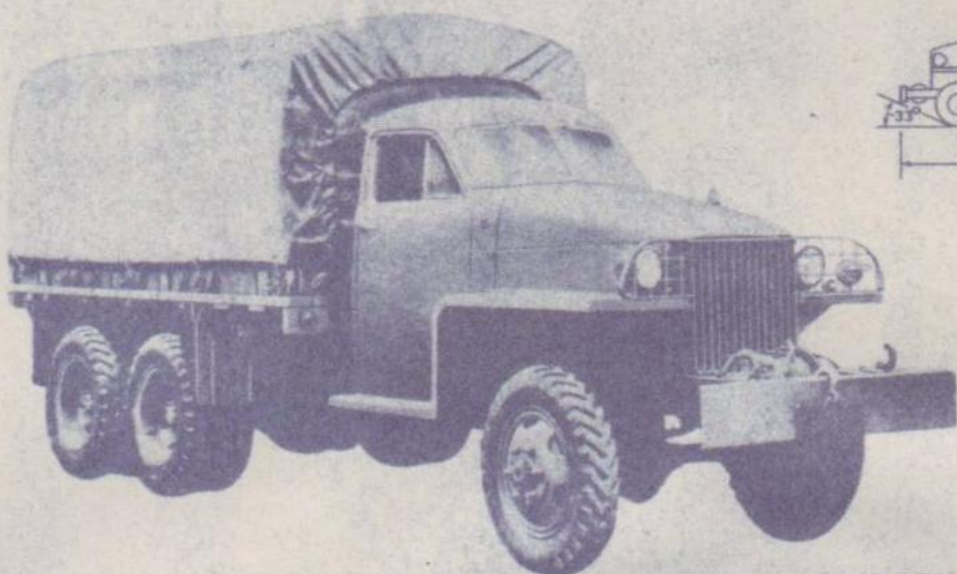
ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3¾
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

*Vehicle weights computed w/o winch. Winch weight 700 lb.
**Tread dimensions computed with split-type axles. For banjo-type use following figures: Front, 60 in.; rear, 67¼ in.; outside to outside, 86 in.; inside to inside, 49 in.
Data on form submitted for vehicle with split type axle. For banjo type axle data as follows:
Capacities:
Transfer case (qt) 2¼
Differentials (qt) Front—6¼
Bogie (qt) Front—6½; rear—5¼
Brake dimension (in.) Front—2

TRUCK, 2½-TON, 6 x 6, CARGO, LWB (W/WINCH)



Technical Manuals: 9-807, 9-1807,
9-1825B, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-630

RA PD 347010

Manufacturer: The Studebaker Corporation.
Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
*Weight (lb): Net—10,745; Payload—5,350; Gross—16,095	
Rear axle: Gear ratio:	6.6:1
*Axle load (lb): Loaded: Front—4,910; rear—11,185	
Empty: Front—4,300; rear—5,445	
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.): Front—62½	
Tread width: (in.) 18½	
Shipping dimensions: *Uncrated (cu ft) 1,475; (sq ft) 162	
Vehicle dimensions (over-all):	
Loading height (empty): (in.) 46½	
Ground clearance: (in.) 10	
Pintle height (loaded): (in.) 30¾	
Electrical system: (volts) 6	
No. of batteries: 1	
Capacities:	
Fuel (72 octane gasoline): (gal) 40	
Cooling system: (qt) 21	
Crankcase: (qt) 6	
Transfer case: (qt) 3½	
Transmission: (qt) 4½	
Differential: (qt) 3½	
Winch (load capacity): (lb) 10,000	
Brakes: Manufacturer—Wagner BK; Type—hydraulic-vacuum	
Dimensions: (in.) 2½	
Transmission: Speeds: 5	
(Gear ratio: High—7.99:1; Low—6.06:1)	
Transfer case: Speeds: 2	
(Gear ratio: High—1.155:1; Low—2.602:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 87.7
Turning radius:	Right—34' 8"; left—35' 1½"
Fuel consumption (loaded):	(mpg) 5.9
Cruising range (loaded):	(mi) 236
Allowable speed:	(mph) 45
Maximum recommended towed load (on highways):	(lb) 4,000

ENGINE

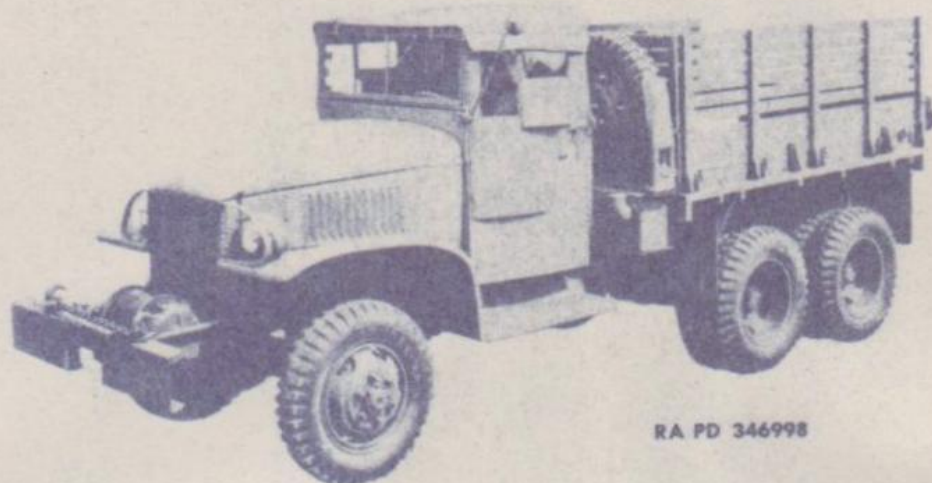
Manufacturer: Hercules	Model JKD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	87 at (rpm) 2,400
Torque:	228 ft-lb at (rpm) 1,200

ADDITIONAL DATA

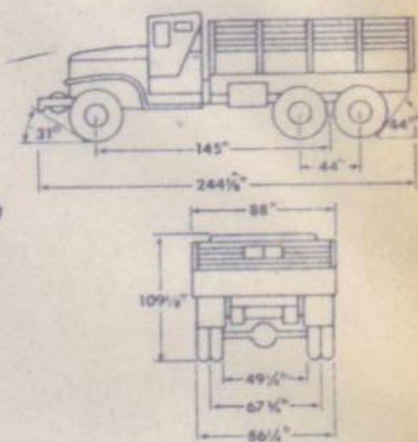
*Data given is for vehicle with winch. For vehicle without winch data changes are as follows:

Weight (lb) net 10,135, gross 15,485; Axle load, loaded—Front 4,330 lb., rear 11,155 lb. Empty—Front 3,720 lb., rear 6,415 lb.
Shipping dimensions: (cu ft) 1430; (sq ft) 157½
Length over-all (in.): 257½
Angle of approach: 45°

TRUCK, 2½-TON, 6 x 6, CARGO, SWB



RA PD 346998



Technical Manuals: 9-891, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A

Parts List: SNL G-505

Manufacturer: General Motors Truck and Coach Division
(GMC).

Classification: Standard.

Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—10,350 Payload—5,350 Gross—15,700	
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded	Front—3,991; rear—11,709
Empty	Front—3,791; rear— 6,559
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.)	Front—62½
Shipping dimensions: Uncrated (cu ft) 897:	(sq ft) 141.1
Vehicle dimensions (over-all):	
Loading height (empty)	(in.) 48½
Width	(in.) 88
Length (without winch)	(in.) 231
Ground clearance	(in.) 9½
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 4½
Differentials (qt)	Front—3; rear—3
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC Type—hydraulic-vacuum	
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: High—.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft)	Right—34; left—34
Fording depth:	(in.) 30
Angle of approach: 30 degrees	w/o winch 54
Fuel consumption (loaded)	(mpg) 7½
Cruising range (loaded)	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load (on highways):	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 170
Type: Valve-in-head, 4-cycles	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

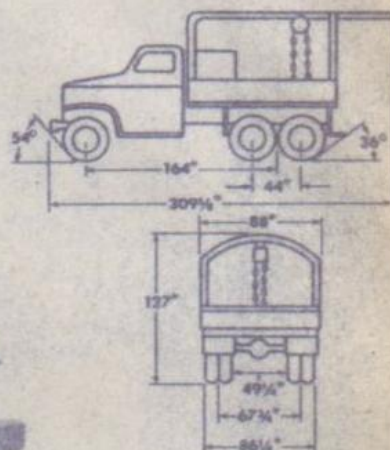
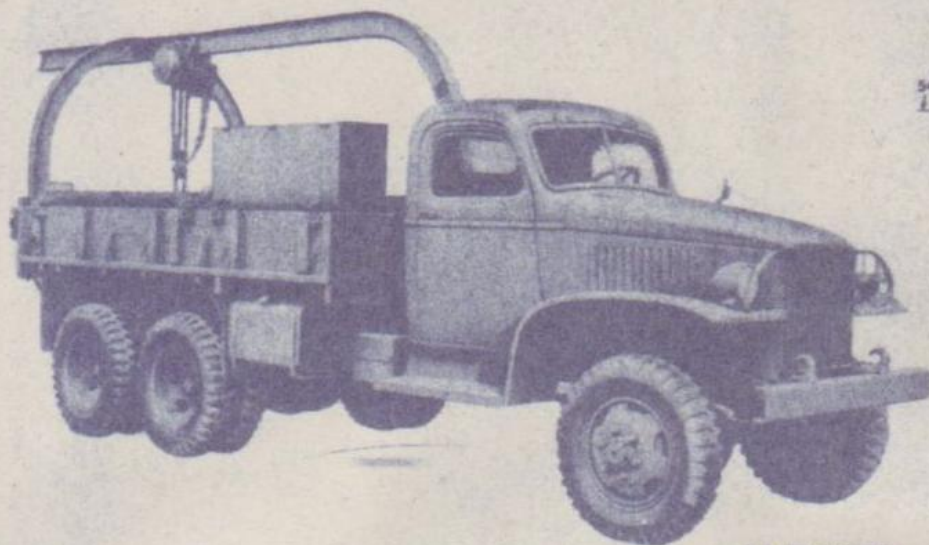
Vehicle weights computed w/o winch. Winch weight, 700 lb.
Tread dimensions computed with split-type axles. For banjo type,
use following dimensions (in.):

	Front—60; rear—67½
	Outside to outside—86; inside to inside—49

Above data given for split-type axle. For banjo-type axle data is as follows:

Brake dimension (in.)	Front—2
Capacities:	
Transfer case	(qt) 2½
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½
Transmission capacity for vehicle w/ winch	(qt) 6½

TRUCK, 2½-TON, 6 x 6, CHEMICAL SERVICE, M1



Technical Manuals: 3-255, 9-801,
9-1801, 9-1802A, 9-1825A, 9-1826C,
9-1827B, 9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 347126

Manufacturer: General Motors Truck and Coach
Division (GMC).
Classification: Standard.

Purpose: Used by Chemical Warfare Service to transport
chemical containers, handling tools,
clothes and equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,100	Payload—5,000
Gross—16,100	
Rear axle: Gear ratio:	5.6:1
Axle load (lb): Loaded	Front—5,620; rear—10,480
Empty	Front—4,400; rear—6,700
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions: Uncrated	(cu ft) 2,011; (sq ft) 190
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase	(qt) 7 1/2
Transfer case	(qt) 3
Transmission (main)	(qt) 4 1/2
Differentials (qt)	Front—3; bogie, front—3; rear—2 1/2
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2 1/2; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct: Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—34; left—35
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 7.5
Cruising range (loaded):	(mi) 240

Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 6,000

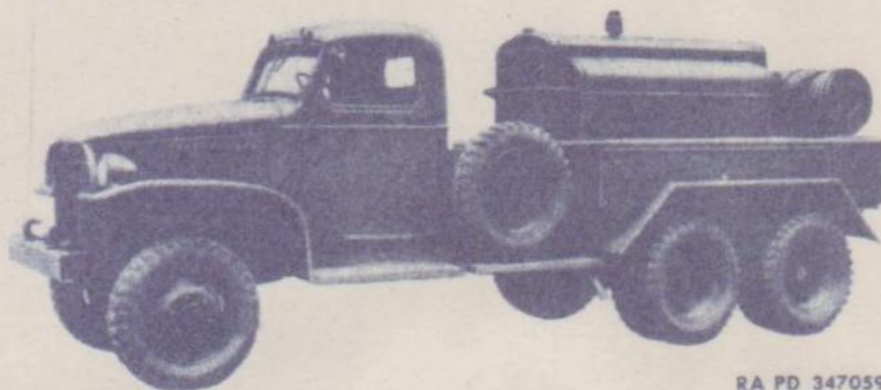
ENGINE

Manufacturer: (GMC)	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

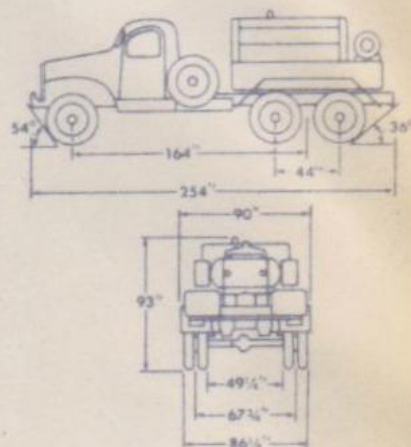
ADDITIONAL DATA

Vehicles equipped with open cabs after July 1, 1943.
This truck is fitted with boxes to accommodate filling lines, stands, protective clothing, decontaminating material, and other field filling accessories. It will also carry bulk containers, being equipped with a trolley hoist to raise them onto the truck. The chemical service truck is also used for towing trailers M1 and M2. The hoist is used for loading and unloading bulk chemical containers and smoke tanks, M10, M33, M20 and M21.
Above data is for vehicles with split type axle. For banjo type axle data as follows:
Tread, front 60 in.; rear 67 1/2 in.; outside to outside 86 in.; inside to inside 49 in.
Brake dimension (in.) Front—3
Capacities:
Transfer case (qt) 3 1/2
Differentials (qt) Front—6 1/2; bogie, front—6 1/2; rear—5 1/2

COMPRESSOR, AIR, TRUCK MOUNTED, GASOLINE ENGINE DRIVEN, 105 CFM (TRUCK, 2½-TON, 6 x 6)



RA PD 347059



Technical Bulletin: 5-5060-2,
Technical Manuals: 5-9966,
and for chassis: 9-801,
9-1801, 9-1802A, 9-1825A, 9-1826C,
9-1827B, 9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

Manufacturers: General Motors Truck and Coach Division (GMC). Equipment by Le Roi Company.
Classification: Standard.

Purpose: Used by Corps of Engineers to provide mobile air compressor for construction equipment and tools.

GENERAL DATA

Crew:	2	
Weight (lb): Net—12,180	Payload—2,120	Gross—14,300
Rear axle: Gear ratio	6.6:1	
Axle load (lb): Loaded	Front—3,880; rear—4,150 on each axle	
	Empty Front—4,000; rear—5,150 on each axle	
Tires (11): Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55		
*Tread, center to center (in.):	Front—62½	
Shipping dimensions:		
Uncrated	(cu ft) 1,230.3; (sq ft) 158.7	
Vehicle dimensions:		
Ground clearance	(in.) 10	
Pintle height (loaded)	(in.) 31½	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:		
Fuel (72 octane gasoline)	(gal) 40	
Cooling system	(qt) 19	
Crankcase (refill)	(qt) 7½	
Transfer case	(qt) 3	
Transmission	(qt) 4½	
Differential (qt)	Front—3	
Bogie (qt)	Front—3; rear—2½	
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3	
Transmission: Speeds	5	
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)		
Transfer case: Speeds	2	
(Gear ratio: High—1.16:1; Low—2.63:1)		

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft):	Right—35; left—35

Fording depth:	(in.) 30
Angle of approach:	(deg) 54
Angle of departure:	(deg) 36
Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

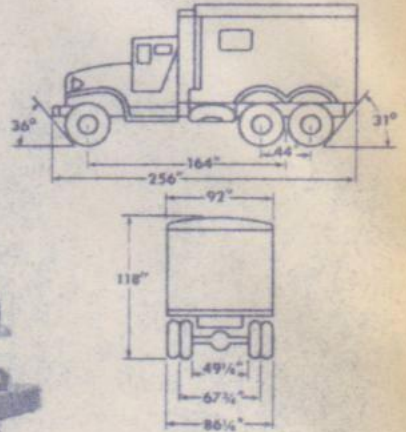
ADDITIONAL DATA

*Data given is for split-type axle. For banjo-type axle changes in data are as follows:

Tread, center to center, front, 60 in.; rear, 67½ in.; outside to outside, 86 in.; inside to inside, 49 in.

Capacities:	
Transfer case	(qt) 2¼
Differentials (qt)	Front—6¼
Bogie (qt)	Front—6½; rear—5½
Brake dimension (in.)	Front—2
Compressor—Makr., Le Roi; Model D-318; 4 cylinders; displacement, 318; bore and stroke, 4½ x 5; brake horsepower, 34 at 865 rpm; maximum governed speed, 865 rpm.	

TRUCK, DENTAL OPERATING, 2½-TON, 6 x 6



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C,
9-1827B, 9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 347040

Manufacturers: General Motors Truck and Coach
Division of GMC.
Classification: Standard.

Purpose: Used by Medical Dept. to transport and house
field dental operating supplies and equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—15,100 Payload—5,000 Gross—20,100	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded Front—5,200; rear, on each axle—7,450	
Empty Front—4,460; rear, on each axle—5,320	
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.)	Front—62½
Shipping dimensions: (cu ft) 1,503	(sq ft) 160
Vehicle dimensions:	
Ground clearance	(in.) 10
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 4½
Differentials (qt)	Front—3
Bogie	Front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio, High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—34; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7.5

Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load (on highways):	(lb) 4,500

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

This basic vehicle is also used as:

- Truck, surgical—operating
- Truck, laboratory—medical
- Truck, optical repair unit
- Truck, laboratory—dental

Data in form submitted for vehicle with split type axle.

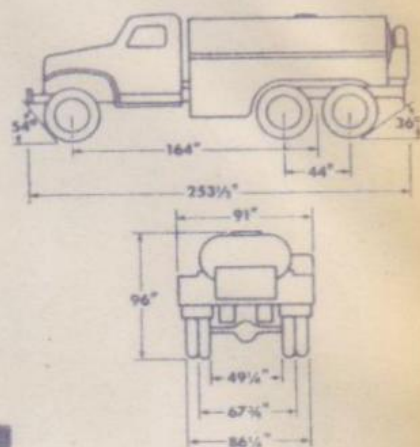
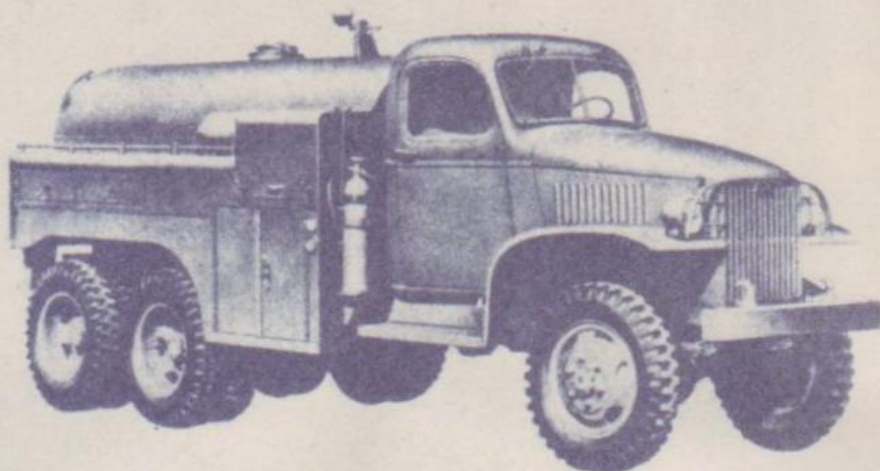
For banjo type axle data as follows:

Treads: front 60 in.; rear 67½ in.; outside to outside 86 in.; inside to inside 49 in.

Capacities:

Transfer case	(qt) 2½
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½
Brake dimension (in.)	Front—2

TRUCK, 2 1/2-TON, 6 x 6, FUEL OR OIL SERVICING, 750 GAL, F-3



Technical Order No. 19-25-47
Technical Manuals: 9-801, 9-1801,
9-1802A

RA PD 347208

Manufacturers: Chassis—GMC; Tank Body—The Heil Company.

Classification: Standard.

Purpose: Used by AAF to service aircraft with fuel or oil.

GENERAL DATA

Crew	2
Weight (lb): Net—11,610	Payload—4,500
	Gross—16,110
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—5,320; rear—10,790*
	Empty
	Front—5,020; rear—6,590†
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,280; (sq ft) 160
Vehicle dimensions:	
Ground clearance	(in.) 9 3/4
Pintle height (loaded)	(in.) 31 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7 1/2
Transfer case	(qt) 3
Transmission (main)	(qt) 4 1/2
Differentials (qt)	Front—3; Bogie: Front—3; rear—2 1/2
Brakes: Manufacturer—GMC	Type—hydraulic-vacuum
Dimensions (in.)	Front—2 1/4; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30

Fuel consumption (loaded):	(mpg) 7 1/2
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

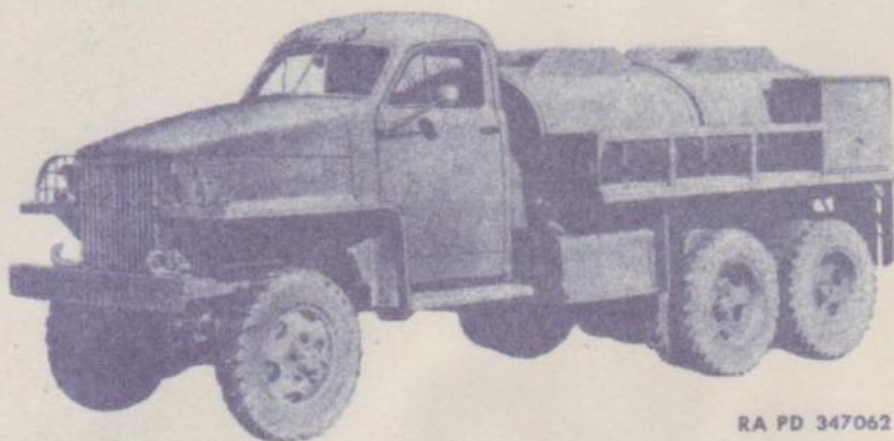
ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 3/16
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

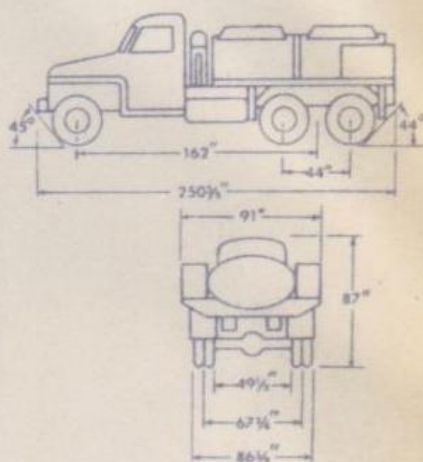
ADDITIONAL DATA

* 5,395 on each.	
† 3,395 on each.	
Above data given for vehicles with split type axle. For vehicles with banjo type axle data as follows:	
Brake dimensions (in.)	Front—2
Tread: Front 60 in; rear 67 1/2 in.; outside to outside 85 in.; inside to inside 49 in.	
Capacities:	
Transfer case	(qt) 2 1/4
Differentials (qt)	Front—6 1/2
Bogie (qt)	Front—6 1/4; rear—5 1/4

TRUCK, 2½-TON, 6 x 6, GASOLINE, TANK, 750 GAL



RA PD 347062



Technical Manuals: 9-897, 9-1807,
9-1825B, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-630

Manufacturer: The Studebaker Corporation.
Classification: Standard.

Purpose: Used by Army Air Forces for servicing aircraft
with oil or gasoline.

GENERAL DATA

Crew:	2
Weight (lb): Net—10,585 Payload—5,000 Gross—15,585	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—4,385; rear—11,200
Empty	Front—3,700; rear—6,885
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62¼
Shipping dimensions:	
Uncrated	(cu ft) 1,057; (sq ft) 159
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase (refill)	(qt) 6
Transfer case	(qt) 3½
Transmission	(qt) 4½
Differentials (qt)	Front—3½; rear—3½
Brakes: Manufacturer—Wagner-BK Type—hydraulic-vacuum	
Dimensions	(in.) 2¼
Transmission: Speeds	5
(Gear ratio: High—0.799:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.155:1; Low—2.602:1)	

PERFORMANCE

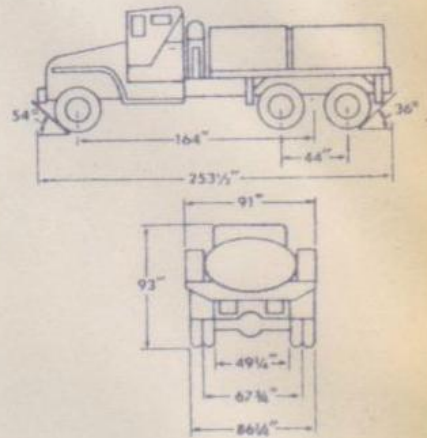
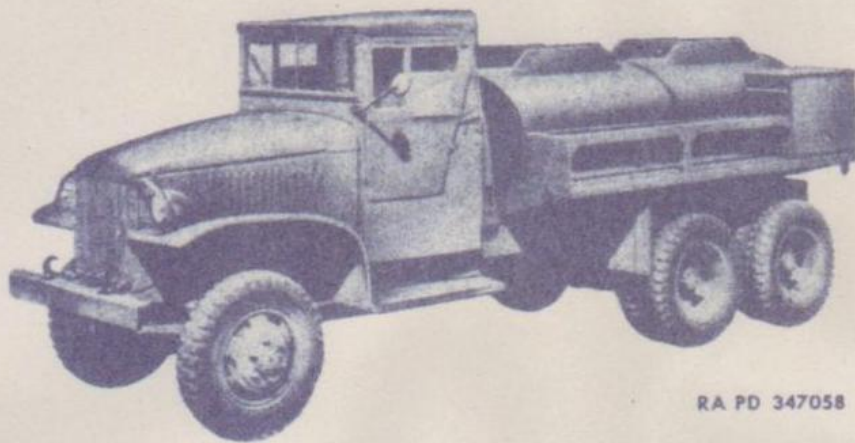
Maximum computed gradability:	(percent) 89
Turning radius (ft):	Right—34'8"; left—35'1¼"
Fuel consumption (loaded):	(mpg) 5.9
Cruising range (loaded):	(mi) 236
Allowable speed:	(mph) 45

ENGINE

Manufacturer: Hercules	Model JXD
Type: L-head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	87 at (rpm) 2,400
Torque:	228 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 2½-TON, 6 x 6, GASOLINE TANK, 750 GAL



RA PD 347058

Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

Manufacturer: General Motors Truck and Coach Division (GMC).

Classification: Standard.

Purpose: To transport and dispense gasoline.

GENERAL DATA

Crew:	2	
Weight (lb): Net—10,750 Payload—5,350 Gross—16,100		
Rear axle: Gear ratio	6.6:1	
Axle load (lb): Loaded	Front—4,480; rear—11,520	
Empty	Front—4,126; rear—6,624	
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55, rear—55		
*Tread, center to center (in.):	Front—62½	
Shipping dimensions:		
Uncrated	(cu ft) 1,086; (sq ft) 160.2	
Vehicle dimensions:		
Ground clearance	(in.) 9½	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:		
Fuel (70 octane gasoline)	(gal)	40
Cooling system	(qt)	19
Crankcase (refill)	(qt)	7½
Transfer case	(qt)	3
Transmission	(qt)	4½
Differentials (qt)	Front—3	
Bogie (qt)	Front—3; rear—2½	
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-vacuum		
Dimensions (in.)	F—2¼; R—3	
Transmission: Speeds	5	
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)		
Transfer case: Speeds	2	
(Gear ratio: High—1.16:1; Low—2.63:1)		

PERFORMANCE

Maximum computed gradability:	(percent)	65
Turning radius (ft):	Right—35; left—35	
Fording depth:	(in.)	30

Fuel consumption (loaded):	(mpg)	7½
Cruising range (loaded):	(mi)	300
Allowable speed:	(mph)	45
Maximum recommended towed load:		
On highways	(lb)	4,000

ENGINE

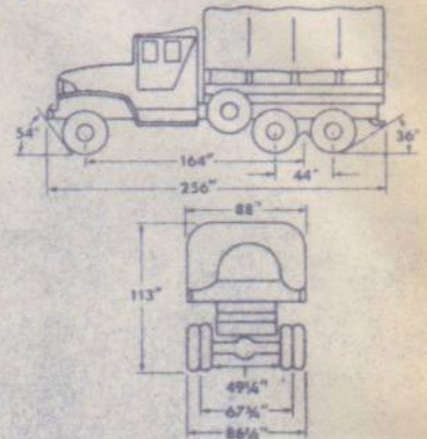
Manufacturer: GMC	Model	270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line)	6
Displacement:	(cu in.)	269.5
Bore:	(in.)	3½
Stroke:	(in.)	4
Maximum governed speed:	(rpm)	2,750
Brake horsepower:	91.5 at (rpm)	2,750
Torque:	216 ft.-lb at (rpm)	1,400

ADDITIONAL DATA

*Data given is for split-type axle. For banjo-type axle changes in data are as follows:
Tread, center to center, front 60 in.; rear 67½ in.; outside to outside 86 in.; inside to inside 49 in.

Capacities:		
Transfer case	(qt)	2¼
Differentials (qt)	Front—6½	
Bogie (qt)	Front—6½; rear—5½	
Brake dimension (in.)	Front—2	

TRUCK, 2½-TON, 6 x 6, LWB, HIGH-LIFT, W/VAN TYPE BODY



Technical Order: 19-25-77

Technical Manuals:
9-801, 9-1801, 9-1802A, 9-1825A,
9-1826C, 9-1827B, 9-1827C, 9-1828A,
9-1829A

Parts List: SNL G-508 (Hydraulic)
(Mechanical)

RA PD 347296

Manufacturers: General Motors Truck and Coach Division
(GMC). Lift Mechanism—The Heil Co.; Gar Wood.

Classification: Standard.

Make of vehicle illustrated: Heil Lift Mechanism, GMC
Truck.

Purpose: Used by Army Air Forces to expedite loading and
unloading of high door cargo airplanes.

GENERAL DATA

Crew:	2
Weight (lb): Net—12,100	Payload—5,000 Gross—17,100
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—5,750; bogie—11,400
Empty	Front—4,950; bogie—7,150
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.)	Front—62¼
Shipping dimensions: Uncrated	(cu ft) 965; (sq ft) 157
Vehicle dimensions:	
Loading height (empty) (in.)	(variable) 54 to 120
Ground clearance	(in.) 10½
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission (main)	(qt) 4½
Differentials (qt)	Front—3; bogie, front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30

Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

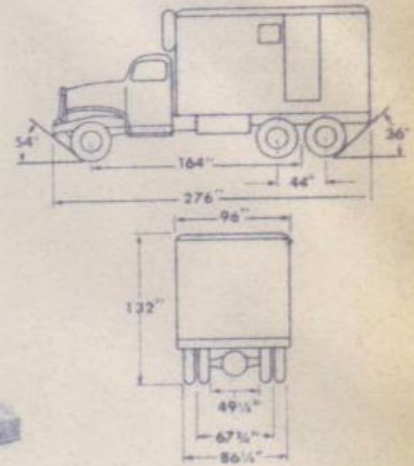
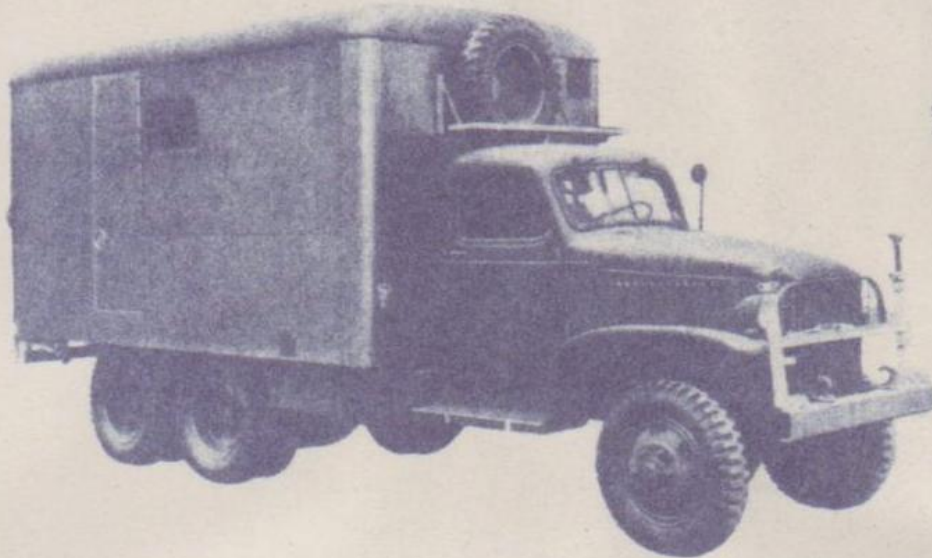
ADDITIONAL DATA

Data submitted for vehicle with split type axle.

For banjo type axle, changes in data are as follows:

Tread (in.)	Front—60; rear—67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Brake dimensions (in.)	Front—2
Capacities:	
Differentials (qt)	Front—6¼, bogie, front—6½; rear—5¼
Transfer case	(qt) 2½

TRUCK, 2½-TON, 6 x 6, W/VAN TYPE BODY, MAP REPRODUCTION EQUIPMENT



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 347070

Manufacturers: Chassis by General Motors Truck and Coach Division (GMC). Bodies by Peter Wendell and Sons; McCabe Powers Auto Body Co.

Classification: Standard.

Purpose: Used by Corps of Engineers to house and transport map reproduction equipment.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—14,400 - 17,100
Rear axle: Gear ratio:	6.6:1
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62½
Vehicle dimensions:	
Loading height (empty)	(in.) 40
Ground clearance	(in.) 10
Pintle height (empty)	(in.) 28
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission (main)	(qt) 4½
Differentials (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Brakes: Manufacturer—GMC Bendix	Type—hydraulic hydrovac
Dimensions (in.)	Front 2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300

Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

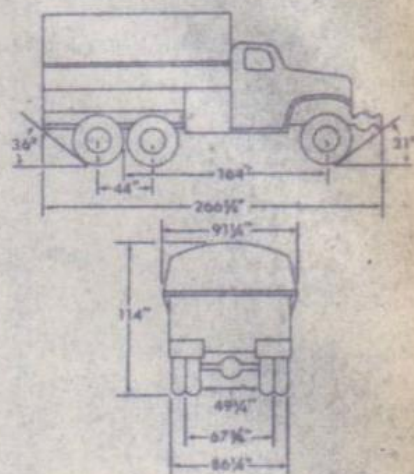
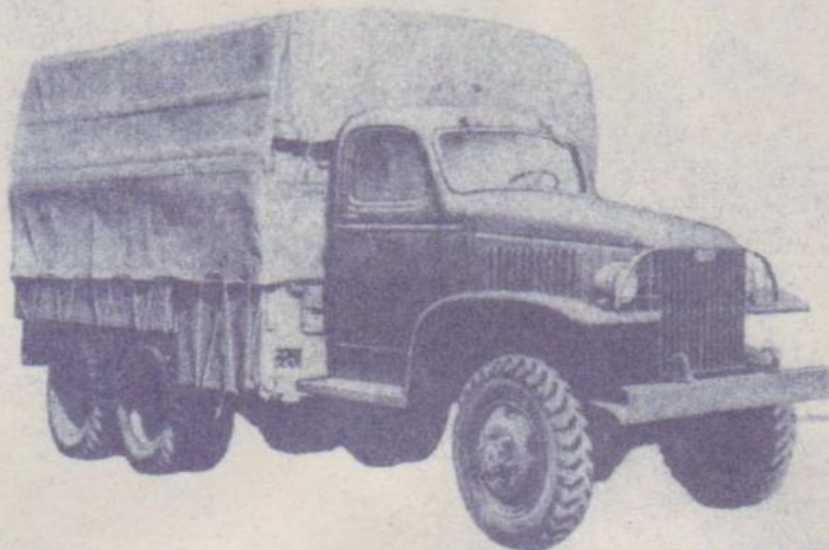
The same basic vehicle with different equipment is also used as: Laboratory section; Map layout section; Photographic section; Plate grainer section; Plate process section; Camera section 24" x 24" (substitute standard); and Press section 20" x 22½" (substitute standard). Weight varies with equipment within limits shown in General Data.

Above data is for vehicles with split type axle. For banjo type axle data as follows:

Tread, front 60 in.; rear 67½ in.; outside to outside 86 in.; inside to inside 49 in.	
Brake dimension (in.)	Front—2

Capacities:	
Transfer case	(qt) 2¼
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½

SHOP EQUIPMENT, MOTORIZED, GENERAL PURPOSE REPAIR (TRUCK, 2½-TON, 6 x 6, W/WINCH)



Technical Manuals: 9-301, 9-1881, 9-1882A, 9-1825A, 9-1826C, 9-1827B, 9-1827C, 9-1828A, 9-1829A

RA PD 347193

Manufacturers: Chassis: General Motors Truck & Coach Division (GMC); Bodies: Hicks Body Co.; P. A. Thomas Car Works; Superior Coach Corp; Krieger Steel Section, Inc.
(Winch not shown.)

Classification: Standard.

Purpose: Used by Corps of Engineers to provide mobile facilities for maintenance and repair.

GENERAL DATA

Crew:	2
Weight (lb): Net—12,500	Payload—4,375
Gross—16,875	
Rear axle: Gear ratio:	5.66:1
Axle load (lb): Loaded:	Front—4,350; rear—5,282 (2)
Empty:	Front—3,800; rear—4,350 (2)
Tires: 10; Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
Uncrated:	(cu ft) 1,603.5; (sq ft) 168.8
Vehicle dimensions:	
Loading height (empty):	(in.) 39
Ground clearance:	(in.) 10
Pintle height (empty):	(in.) 31 1/4
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 40
Cooling system:	(qt) 19
Crankcase (refill):	(qt) 7 1/2
Transfer case:	(qt) 3
Transmission (main):	(qt) 6 1/2
Differentials (qt):	Front—3; Bogie—front—3; rear—2 1/2
Winch (load capacity):	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2 1/4; rear—3
Transmission: Speeds:	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability: (per cent) 81

Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7 1/2
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

ENGINE

Manufacturer: GMC	Model—270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 5/8
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

This truck with different equipment is for: Tool and bench electric repair, gross wt. 16,200; Tool and bench, gross wt. 15,900; and Small tool repair, gross wt. 14,780.

Above data given for vehicles with split type axle. For banjo type axle data as follows:

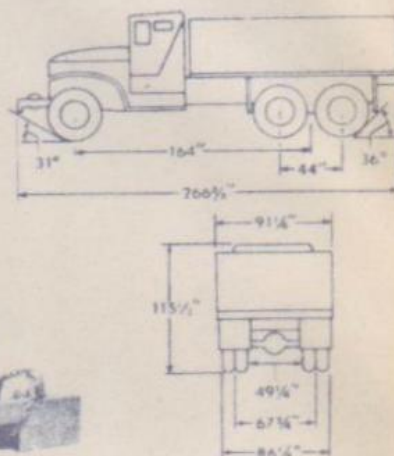
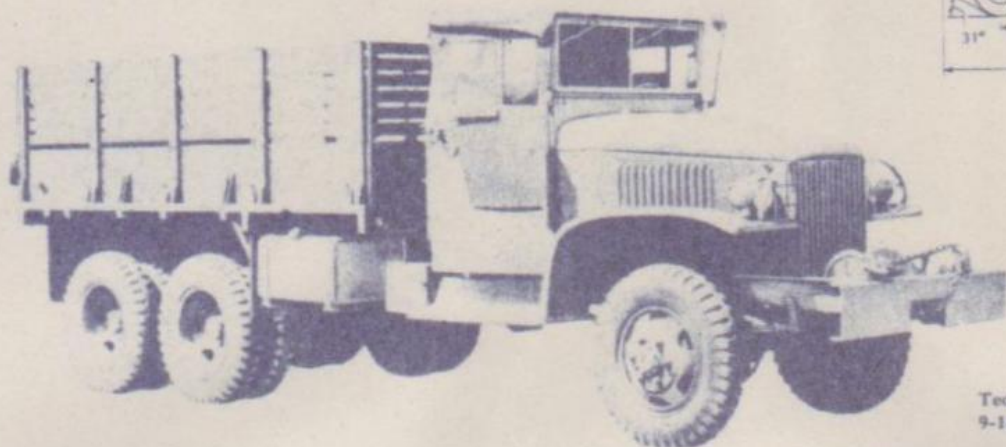
Brake dimension (in.):	Front—2
Tread: front, 60 in.; rear, 67 1/2 in.; outside to outside, 86 in.; inside to inside, 49 in.	

Capacities:

Transfer case:	(qt) 2 1/2
Differentials (qt):	Front—5 1/2
Bogie (qt):	Front—6 1/2; rear—5 1/2

Late model vehicles equipped with soft top.

SHOP EQUIPMENT, MOTORIZED, WELDING (TRUCK, 2½-TON, 6 x 6, CARGO)



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A

RA PD 347172

Manufacturer: General Motors Truck and Coach Division
(GMC).

Classification: Limited standard.

Purpose: Used by Corps of Engineers to provide mobile
facilities for maintenance and repair.

GENERAL DATA

Weight (lb): Net—10,500	Payload—4,905	Gross—15,405
Rear axle: Gear ratio	6.66:1	
Axle load (lb)		
Loaded	Front—4,700; rear—5,602 on each axle	
Empty	Front—3,800; rear—3,350 on each axle	
Tires: 10; Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55, rear—55		
Tread, center to center (front):	(in.) 62¼	
Shipping dimensions: Uncrated	(cu ft) 1,624.7; (sq ft) 168.8	
Vehicle dimensions:		
Loading height (empty)	(in.) 48½	
Ground clearance	(in.) 10	
Pintle height (empty)	(in.) 31½	
Electrical system:	(volts) 6	
No. of batteries:	1	
Capacities:		
Fuel (71 octane gasoline)	(gal) 40	
Cooling system	(qt) 19	
Crankcase (refill)	(qt) 7½	
Transfer case	(qt) 3	
Transmission (main)	(qt) 6½	
Differentials (qt)	Front—3; Bogie—Front—3; rear—2½	
Winch (load capacity)	(lb) 10,000	
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3	
Transmission: Speeds	5	
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)		
Transfer case: Speeds	2	
(Gear ratio: High—1.16:1; Low—2.63:1)		

PERFORMANCE

Maximum computed gradability:	(per cent) 81
Turning radius (ft):	Right—35; left—35

Forcing depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

ENGINE

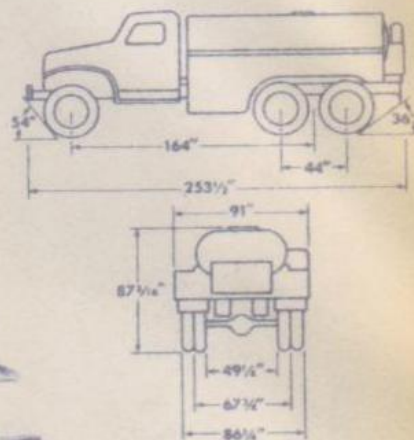
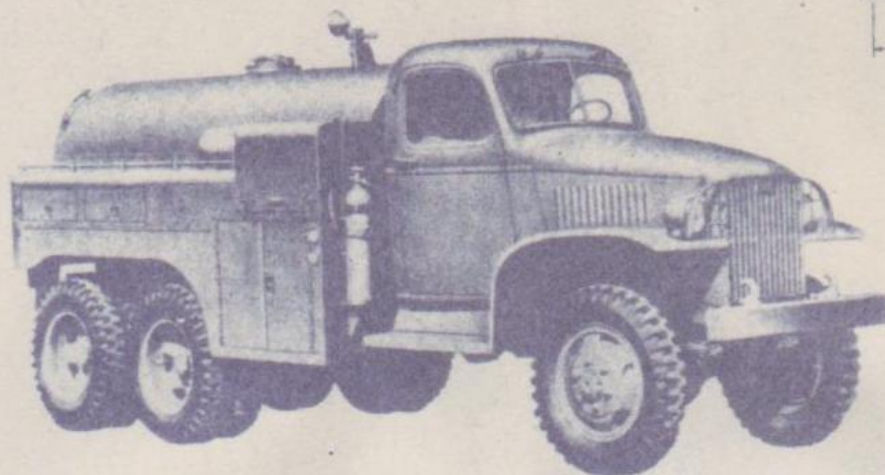
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3⅝
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

Above data given for vehicles with split type axle. For banjo type axle data as follows:

Brake dimension (in.)	Front—2
Tread, front, 60 in.; rear, 67½ in.; outside to outside, 86 in.; inside to inside, 49 in.	
Capacities:	
Transfer case	(qt) 2¼
Differentials (qt)	Front—6¼
Bogie (qt)	Front—6½; rear—5¼

TRUCK, 2½-TON, 6 x 6, OIL SERVICING, 660 GAL, L-2



T.O. No. 19-25-34
 Technical Manuals: 9-501, 9-1801,
 9-1802A
 Parts List: SNL G-508

RA PD 347208

Manufacturers: Chassis—GMC; Tank Body—The Heil Company.

Classification: Limited standard.

Purpose: Used by AAF to service aircraft with oil or fuel.

GENERAL DATA

Crew	2
Weight (lb): Net—10,400 Payload—5,000 Gross—15,400	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—5,100; rear—*10,300
Empty	Front—4,950; rear—5,450
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62¼
Shipping dimensions:	
Uncrated	(cu ft) 1,170; (sq ft) 160
Vehicle dimensions:	
Ground clearance	(in.) 9¾
Pintle height (loaded)	(in.) 31½
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission (main)	(qt) 4½
Differentials (qt)	Front—3; Bogie: Front—3; rear—2½
Brakes: Manufacturer—GMC Type—hydraulic-vacuum	
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 65
Turning radius (ft):	Right—35; left—35
Fording depth	(in.) 30

Fuel consumption (loaded)	(mpg) 7½
Cruising range (loaded)	(mi) 300
Allowable speed	(mph) 45
Maximum recommended towed load	(lb) 4,600

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½
Stroke	(in.) 4
Maximum governed speed	(rpm) 2,750
Brake horsepower	91.5 at (rpm) 2,750
Torque	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

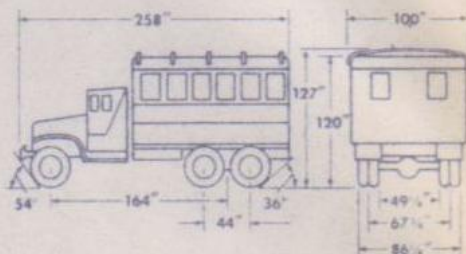
Above data given for vehicles with split type axle. For vehicles with banjo type axle data as follows:

Brake dimensions (in.)	Front—2
Tread, front 60 in.; rear 67½ in.; outside to outside 86 in.; inside to inside 49 in.	
Capacities:	
Transfer case	(qt) 2½
Differentials (qt)	Front—6½
Bogie (qt)	Front—6½; rear—5½
*5,150 lbs on each	
†2,725 lbs on each	

TRUCK, 2½-TON, 6 x 6, ORDNANCE MAINTENANCE



RA PD
347201



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A

Parts Lists: SNL G-138, 139, 140,
141, 143, 144, 146, 149, 178, 508

Manufacturers: Chassis: General Motors Truck & Coach
Division (GMC). Bodies: Hicks Body Co., P. A. Thomas
Car Works, Superior Coach Corp., Krieger Steel Sections

Classification: Standard.

Purpose: To provide mobile facilities for maintenance
and repair for various services.

GENERAL DATA

Weight (lb): Net—11,600	Payload—5,120	Gross—16,720
Rear axle: Gear ratio	6.66:1	
Axle load (lb): Loaded	Front—4,300; rear (each) 6,210	
Empty	Front—3,800; rear (each) 3,900	
Tires: 10; Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55		
Tread, center to center (front)	(in.) 62½	
Shipping dimensions: Uncrated	(cu ft) 1,896.1; (sq ft) 179.1	
Vehicle dimensions:		
Loading height (empty)	(in.) 41½	
Ground clearance	(in.) 9¾	
Pintle height (empty)	(in.) 31½	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:		
Fuel (72 octane gasoline)	(gal)	45
Cooling system	(qt)	19
Crankcase (refill)	(qt)	7½
Transfer case	(qt)	3
Transmission	(qt)	4½
Differentials: Front (qt) 3;	Bogie (qt) front—3; rear—2½	
Brakes: Manufacturer—GMC Bendix	Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3	
Transmission: Speeds	5	
(Gear ratio: High—7.99:1; 4th—direct: Low—6.06:1)		
Transfer case: Speeds	2	
(Gear ratio: High—1.16:1; Low—2.63:1)		

PERFORMANCE

Maximum computed gradability:	(per cent)	81
Turning radius (ft):	Right—35; left—35	
Fording depth:	(in.)	30
Fuel consumption (loaded)	(mpg)	5
Cruising range (loaded):	(mi)	225
Allowable speed:	(mph)	45
Maximum recommended towed load:	(lb)	4,000

ENGINE

Manufacturer: GMC	Model	170
Type: Valve-in-head, 4-cycle	No. of cylinders (in line)	6
Bore:	(in.)	3½
Stroke:	(in.)	4
Maximum governed speed:	(rpm)	2,750
Brake horsepower:	91.5 at (rpm)	2,750
Torque:	216 ft-lb at (rpm)	1,400

ADDITIONAL DATA

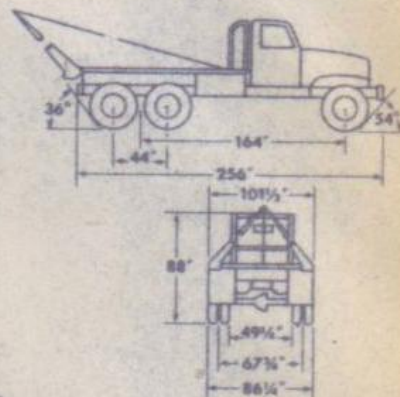
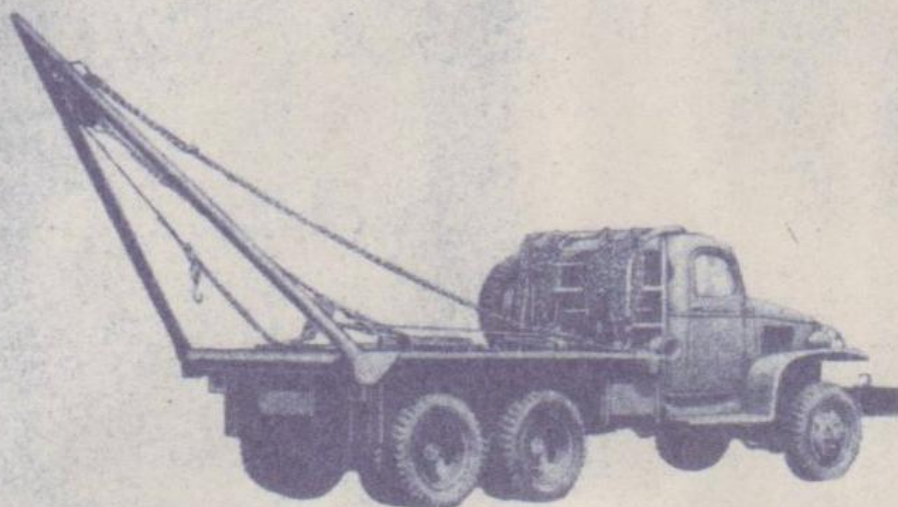
The use of the same basic vehicle with different equipment and gross weight of each vehicle is as follows:

Machine shop light	(lb)	14,065
Machine shop heavy	(lb)	16,720
Mobile shop	(lb)	12,500
Tire repair, Load "A", M32	(lb)	16,800
Tire repair, load "B", M32	(lb)	16,500
General repair, Signal Corps M31	(lb)	15,500
General repair, Signal Corps M30	(lb)	15,600
Instrument bench, M23	(lb)	14,500
Electrical repair, M18A2	(lb)	17,000
Machine shop load "A", M16A2	(lb)	18,000
Machine shop load "B", M16A2	(lb)	17,800
Instrument, Load "A", M10A1	(lb)	16,000
Artillery repair, M9A1	(lb)	14,300
General automotive repair, Load "A", M8A1	(lb)	18,200
General automotive repair, load "B", M8A1	(lb)	18,300
Small arms repair, M7A2	(lb)	15,500

Above data given for vehicles with split type axle. For vehicles with banjo type axle data as follows:

Brake dimension (in.)	Front—2
Treads (in.)	Front—60; rear—67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer case	(qt) 2¼
Differential (front)	(qt) 6¼
Bogie (qt)	Front—6½; rear—5¼

TRUCK, 2½-TON, 6 x 6, PIPELINE EQUIPMENT



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 346973

Manufacturers: General Motors Truck and Coach Division (GMC); Equipment by McCabe-Powers Auto Body Co.

Classification: Standard.

Purpose: Used by Corps of Engineers to load, transport, and place pipe or construction machinery.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,860 Payload—5,000 Gross—16,860	
Rear axle:	(Gear ratio—6.6:1)
Axle load (lb): Loaded Front—4,846; rear—5,007 on each axle	
Empty Front—4,380; rear—3,740 on each axle	
Tires: Ply—8. Size—7.50 x 20; Pressure (lb)—Front 55; rear—55	
Tread, center to center (in.):	Front—62½
Shipping dimensions: Uncrated (cu ft) 1,323.2 (sq ft) 180.4	
Vehicle dimensions (in.):	
Loading height (empty)	50
Ground clearance	10
Pintle height—empty	34
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 4½
Differentials (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix Type hydraulic-hydrovac	
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: 4th—direct; High—.799:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low 2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg)—7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type:	Valve-in-head, 4 cycles
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3¾
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

Vehicle weight computed w/o winch. Winch weight, 700 lb.

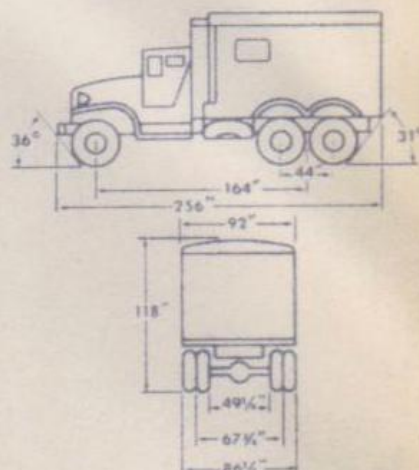
Tread dimensions computed with split-type axles. For banjo type, use following dimensions (in.):

	Front—60; rear—67½
	Outside to outside—86; inside to inside—40

Above data given for vehicles with split type axle. For banjo type axle data as follows:

Brake dimension (in.)	Front—2
Capacities (qt):	
Transfer case	2½
Differentials	Front—6½
Bogie	Front—6½; rear—5½

TRUCK, SURGICAL, 2½-TON, 6 x 6



Technical Manuals: 9-501, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 347041

Manufacturers: General Motors Truck and Coach Division of GMC.

Classification: Standard.

Purpose: Used by Medical Dept. to transport and house field surgical supplies and equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,280	Payload—5,000
	Gross—16,280
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded	Front—4,460; rear, on each axle—5,910
	Empty
	Front—4,250; rear, on each axle—3,515
Tires: Ply—8	Size—7.50 x 20; Pressure (lb)—Front—55; rear—55
Tread, center to center (in.):	Front—62½
Shipping dimensions:	(cu ft) 1,603; (sq ft) 160
Vehicle dimensions:	
Ground clearance	(in.) 10
Pintle height (loaded)	(in.) 31½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transmission	(qt) 4½
Transfer case	(qt) 3
Differentials (qt)	Front—3
	Rear—2½
Bogie	Front—3; rear—2½
Brakes: Manufacturer—GMC Bendix	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—34; left—35
Fording depth:	(in.) 30

Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load (on highways):	(lb) 4,500

ENGINE

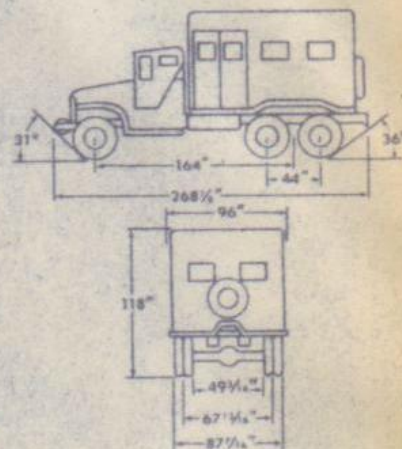
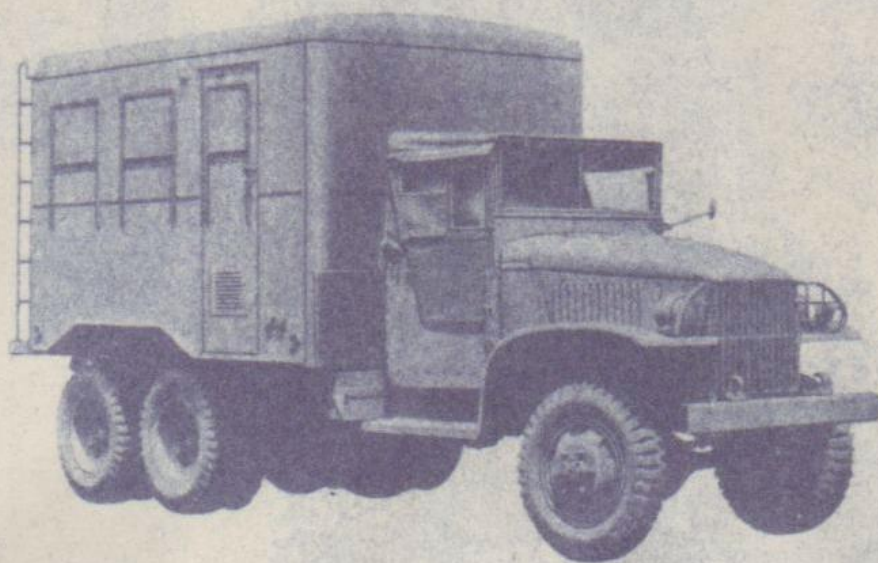
Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

Data in form submitted for vehicle with split type axle. For banjo type axle data as follows:

Treads	Front—60; rear—67½
Outside to outside	(in.) 86
Inside to inside	(in.) 49
Capacities:	
Transfer case	(qt) 2¼
Differentials (qt)	Front—6¼
	Rear—5¼
Bogie (qt)	Front—6½; rear—5¼
Brake dimension (in.)	Front—2

TRUCK, 2½-TON, 6 x 6, VAN, K-53



Technical Manuals: 9-891, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

RA PD 347061

Manufacturers: Chassis—General Motors Truck and Coach Division (GMC). Body—Various.
Classification: Standard when part of Radio Set SCS-3.

Purpose: Used by Army Air Forces to house and transport radio equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,575 Payload—4,000 Gross—15,575*	
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded	Front—4,515; rear—11,060
Empty	Front—4,050; rear—7,525
Tires: Ply—8 Size—7.50 x 20; Pressure: (lb)—Front—35; rear—35	
Tread, center to center (in.)	Front—62½
Shipping dimensions:	
**Uncrated (w/o winch)	(cu ft) 1,666; (sq ft) 170
Vehicle dimensions:	
Length (over-all) without winch	254
Ground clearance	(in.) 10½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (73 octane gasoline)	(gal) 45
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 6½
Differentials (qt)	Front—3
Bogie	Front—3; rear—2½
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydrovac	
Dimensions (in.)	Front—2¼; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7½
Cruising range (loaded):	(mi) 337
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

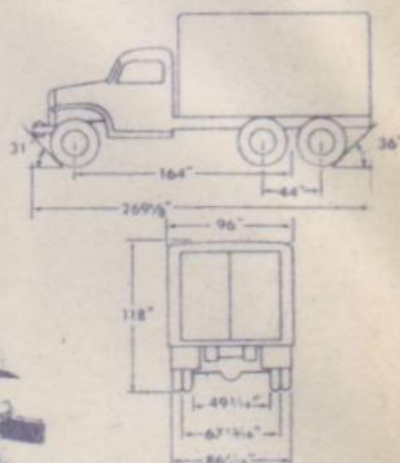
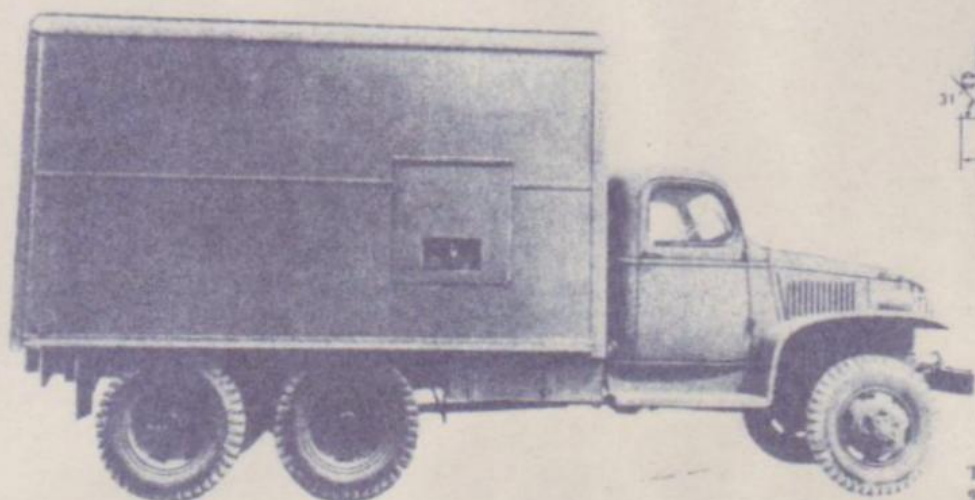
ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3½
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	215 ft-lb at (rpm) 1,400

ADDITIONAL DATA

*Rated weights—Actual weights vary with equipment.
**Shipping dimensions with winch—1,764 cu. ft., 179 sq ft.
Data on form submitted for vehicle with split type axle. For banjo type axle changes in data as follows:
Tread, front 60 in.; rear 67½ in.; outside to outside 86 in.; inside to inside 49 in.
Brake dimension (in.) Front—2
Capacities:
Differentials (qt) Front—6½
Bogie (qt) Front—6½; rear—5½

TRUCK, 2 1/2-TON, 6 x 6, VAN, K-60



Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A

Parts List: SNL G-508

RA PD 347060

Manufacturers: Chassis—General Motors Truck and Coach Division (GMC). Body—Various.

Make of Vehicle illustrated: York-Hoover Corporation (Body)

Classification: Standard when part of Radio Set SCR-545-A.

Purpose: Used by Antiaircraft Artillery to house and transport radio equipment.

GENERAL DATA

Crew:	2
*Weight (lb): Net—11,580 Payload—4,000 Gross—15,580	
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded	Front—4,133; rear—11,447
Empty	Front—3,810; rear—7,770
Tires: Ply—8 Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62 1/4
Shipping dimensions:	
**Uncrated (w/o winch):	(cu ft) 1,678; (sq ft) 171
Vehicle dimensions:	
Loading height (empty)	(in.) 37
Length (over-all) without winch	(in.) 255 1/4
Ground clearance	(in.) 10 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 45
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7 1/2
Transfer case	(qt) 3
Transmission	(qt) 6 1/2
Differential (qt)	Front—3
Bogie (qt)	Front—3; rear—2 1/2
Winch (load capacity)	(lb) 10,000
Brakes: Manufacturer—GMC-Bendix Type—hydraulic-hydropneumatic	
Dimensions (in.)	Front—2 3/4; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 81
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Angle of departure:	(deg) 36
Fuel consumption (loaded):	(mpg) 7 1/2
Cruising range (loaded):	(mi) 337
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	215 ft.-lb at (rpm) 1,400

ADDITIONAL DATA

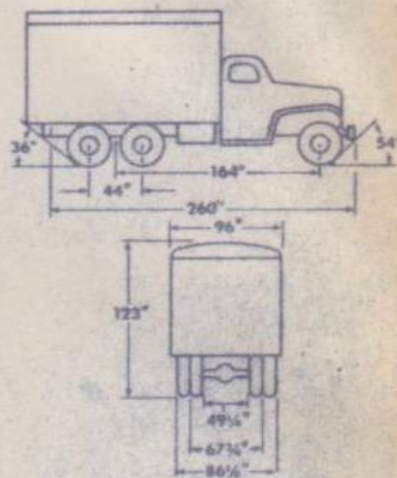
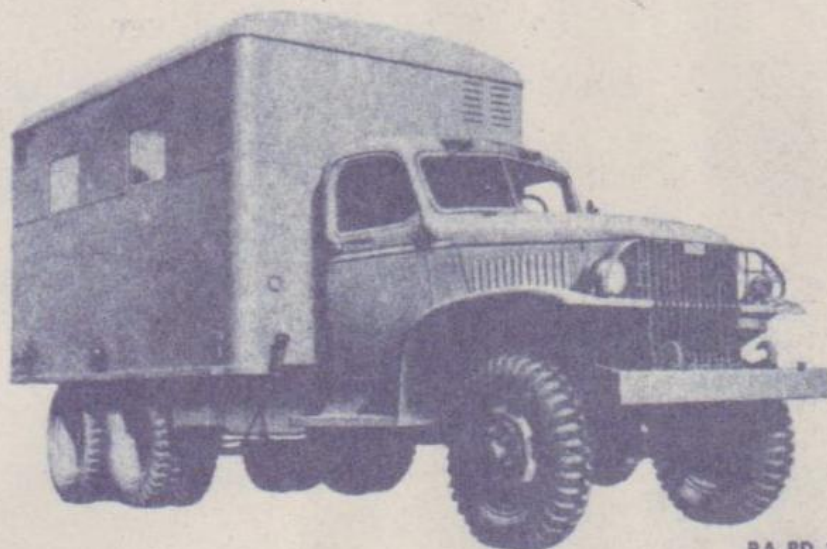
*Rated weights—Actual weights vary with equipment carried.

**Shipping dimensions with winch (cu ft) 1763; (sq ft) 180.

Data on form submitted for vehicle with split type axle. For banjo type axle changes in data as follows:

Tread, front 60 in.; rear 67 1/2 in.; outside to outside 86 in.; inside to inside 49 in.	
Brake dimension (in.)	Front—2
Capacities:	
Differentials (qt)	Front—6 1/2
Bogie (qt)	Front—6 1/2; rear—5 1/4

WATER PURIFICATION UNIT, GASOLINE ENGINE DRIVEN, TRUCK MOUNTED, 75 GPM (TRUCK, 2½-TON, 6 x 6)



Technical Manual: Truck, 5-2838

RA PD 347067

Manufacturers: General Motors Truck and Coach Division of GMC; Equipment by Wallace Tierman Company, Inc.

Classification: Limited standard.

Purpose: Used by Corps of Engineers to provide mobile facilities for water purification.

GENERAL DATA

Crew:	2
Weight (lb):	Gross—16,400
Rear axle: Gear ratio:	6.6:1
Axle load (lb): Loaded:	Front—4,846; rear—11,554
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—62½
Shipping dimensions:	Uncrated—(cu ft) 1,780; (sq ft) 173.3
Vehicle dimensions:	
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (72 octane gasoline):	(gal) 40
Cooling system:	(qt) 19
Crankcase:	(qt) 7½
Transfer case:	(qt) 3
Transmission (main):	(qt) 4½
Differentials (qt):	Front—3
Bogie (qt):	Front—3; rear—2½
Brakes: Manufacturer—Bendix (GMC); Type—hydraulic-hydrovac	
Dimensions (in.):	Front 2¾; rear—3
Transmission: Speeds:	5
(Gear ratio: High—0.799:1; 4th—direct; Low—6.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—35; left—35
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 7½

Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 4,000

ENGINE

Manufacturer: GMC:	Model: 270
Type: Valve-in-head, 4 cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3¾
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft-lb at (rpm) 1,400

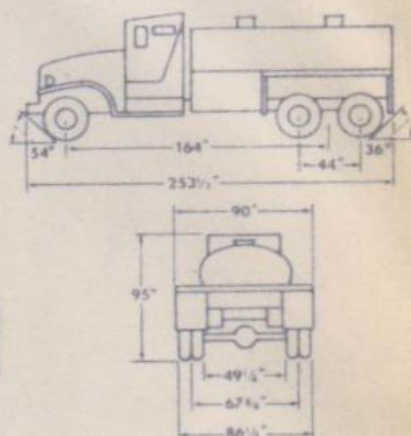
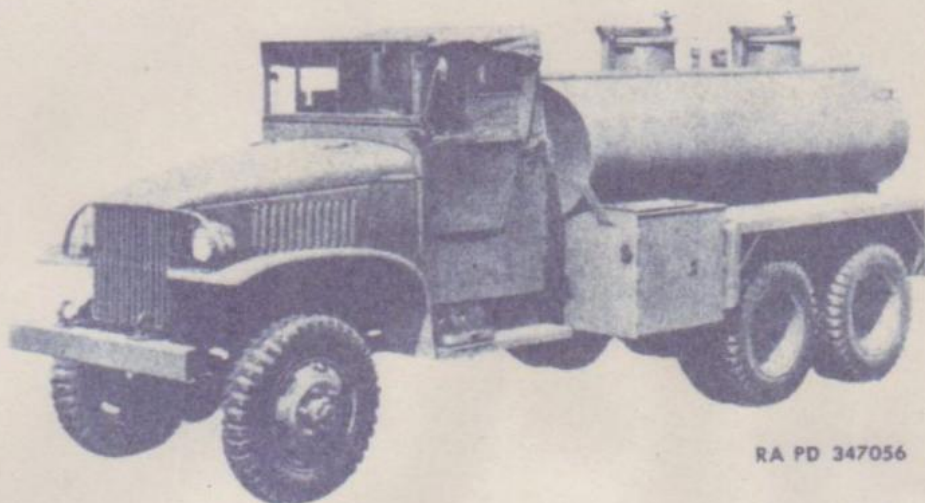
ADDITIONAL DATA

These vehicles equipped with open cabs after July 1943. Equipped with a portable water purification unit, driven by an air-cooled, single cylinder, Wisconsin Model AB engine.

Above data is for vehicles with split type axle. For banjo type axle data as follows:

Tread, front, 60 in.; rear, 67½ in.; outside to outside, 86 in.; inside to inside, 49 in.	
Brake dimension (in.):	Front—2
Capacities:	
Transfer case:	(qt) 2½
Differentials (qt):	Front—6½
Bogie (qt):	Front—6½; rear—5½

TRUCK, 2¹/₂-TON, 6 x 6, WATER TANK, 700 GAL



RA PD 347056

Technical Manuals: 9-801, 9-1801,
9-1802A, 9-1825A, 9-1826C, 9-1827B,
9-1827C, 9-1828A, 9-1829A
Parts List: SNL G-508

Manufacturer: General Motors Truck and Coach
Division (GMC).

Classification: Standard.
Purpose: To transport drinking water.

GENERAL DATA

Crew:	2
Weight (lb): Net—11,913 Payload—5,350 Gross—17,263	
Rear axle: Gear ratio	6.6:1
Axle load (lb): Loaded	Front—6,150; rear—11,113
Empty	Front—4,261; rear—7,652
Tires: Ply—8 Size—7.50; Pressure (lb)—Front—55; rear—55	
*Tread, center to center (in.):	Front—62 ¹ / ₄
Shipping dimensions:	
Weight	(tons) 31.4
Uncrated	(cu ft) 1,252 (sq ft) 158.9
Vehicle dimensions:	
Ground clearance	(in.) 9 ⁵ / ₈
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7 ¹ / ₂
Transfer case	(qt) 3
Transmission	(qt) 4 ¹ / ₂
Differentials (qt)	Front—3
Bogie	Front—3; rear—2 ¹ / ₂
Brakes: Manufacturer—GMC-Bendix Type—hydraulic vacuum	
Dimensions (in.)	Front—2 ¹ / ₄ ; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; Low—5.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.16:1; Low—2.63:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—35; left—35

Fording depth (in.):	30
Fuel consumption (loaded):	(mpg) 7 ¹ / ₂
Cruising range (loaded):	(mi) 300
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

Manufacturer: GMC	Model 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 269.5
Bore:	(in.) 3 ³ / ₁₆
Stroke:	(in.) 4
Maximum governed speed:	(rpm) 2,750
Brake horsepower:	91.5 at (rpm) 2,750
Torque:	216 ft.-lb at (rpm) 1,400

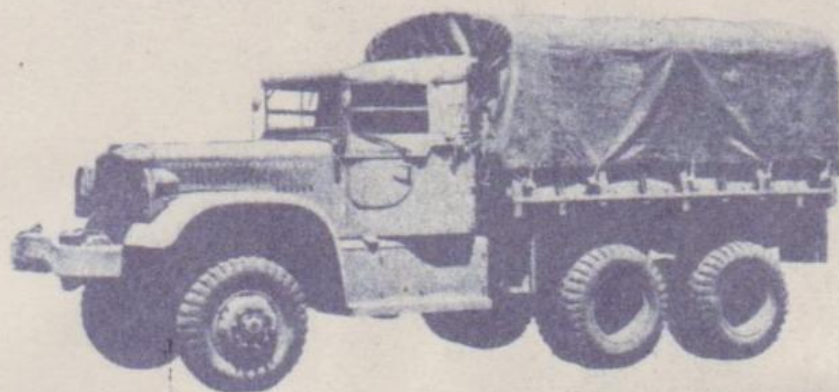
ADDITIONAL DATA

*Data given is for split-type axle. For banjo-type axle changes in data are as follows:

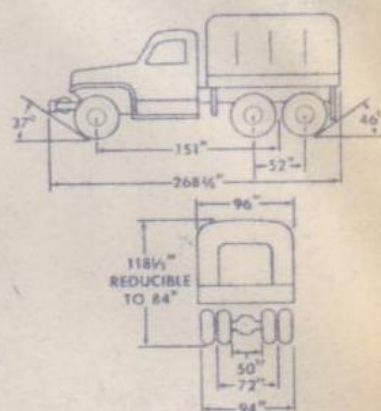
Tread, center to center, front 60 in.; rear 67¹/₂ in.; outside to outside 86 in.; inside to inside 49 in.

Capacities:	
Transfer case	(qt) 2 ¹ / ₄
Differentials (qt)	Front—6 ¹ / ₄
Bogie (qt)	Front—6 ¹ / ₂ ; rear—5 ¹ / ₄

TRUCK, 4-TON, 6 x 6, CARGO



RA PD 346972



Technical Manuals: 9-811, 9-1811,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-509

Manufacturer: Diamond T Motor Car Co.
Classification: Standard.

Purpose: To transport general cargo and tow 155-mm
Howitzer.

GENERAL DATA

Crew	2
Weight (lb): Net—18,050 Payload—8,350 Gross—26,400	
Rear axle: (Gear ratio: 8.435:1)	
Axle load (lb): Loaded	Front—7,850; rear—18,550
Empty	Front—7,500; rear—10,450
Tires: Ply—10; Size—9.20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions: Uncrated	(cu ft) 1,252.3; (sq ft) 178.9
Vehicle dimensions (in.):	
Loading height (empty)	58 5/8
Ground clearance	11
Pintle height—loaded	36 1/8
Electrical system:	(volts) 12
No. of batteries (6 volt)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 48
Crankcase	(qt) 16
Transfer case	(qt) 5
Transmission	(qt) 12
Differential (qt)	Front—7 rear each—4
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions	(in.) 4
Transmission: Speeds	5
(Gear ratio: High—7.68 over, 4th—direct; Low 7.08:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 68
Turning radius (ft):	Right—37; left—37'10"
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load:	
On highways	(lb) 11,000

ENGINE

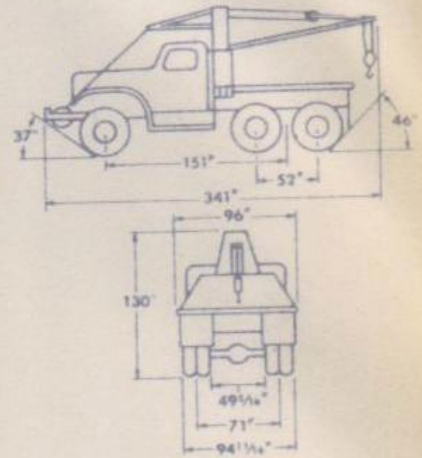
Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 5/8
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	112 at (rpm) 2,200
Torque:	368 ft-lb at (rpm) 1,000

ADDITIONAL DATA

TRUCK, 4-TON, 6 x 6, CRANE, SWINGING BOOM, M1



RA PD 347131



Technical Manuals: 3-255, 9-811,
9-1811, 9-1825B, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-509

Manufacturer: Diamond T Motor Car Company.
Classification: Standard.

Purpose: Used by Chemical Warfare Service to lift and transport heavy chemical containers.

GENERAL DATA

Crew:	2
Weight (lb): Net—18,400 Payload—8,000 Gross—26,400	
Rear axle: Gear ratio	8.435:1
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,948; (sq ft) 227
Vehicle dimensions:	
Loading height (empty)	(in.) 55
Ground clearance	(in.) 11
Pintle height (empty)	(in.) 39 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 60
Cooling system	(qt) 46
Crankcase (refill)	(qt) 16
Transfer case	(qt) 5
Transmission (main)	(qt) 12
Differentials (qt)	Front—7; rear—4 each
Winch (load capacity)	(lb) 15,000
Brakes:	Type—air
Dimensions	(in.) 4
Transmission: Speeds	5
(Gear ratio: High—0.768 over; 4th—direct; Low—7.08:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—36; left—35
Fording depth:	(in.) 24

Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 120
Allowable speed:	(mph) 40

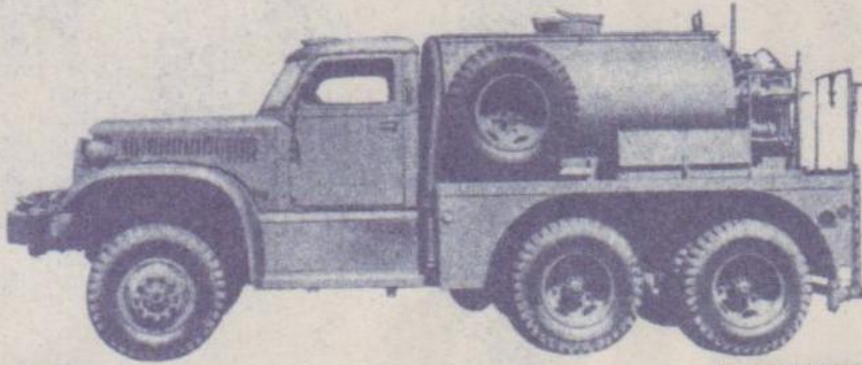
ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 5/8
Stroke:	(in.) 5 3/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

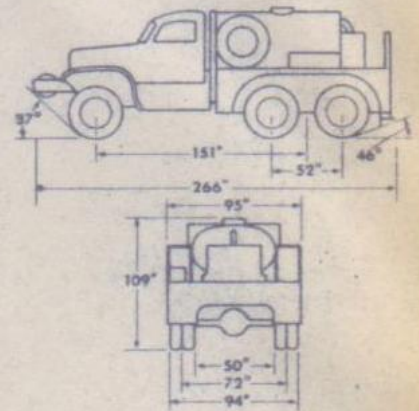
ADDITIONAL DATA

Telescope Boom Crane:
Load at 8' radius 9,000 lb
Load at 13' radius 5,500 lb normal
Load at 20' radius 3,600 lb

DISTRIBUTOR, WATER, TRUCK MOUNTED, 1,000 GAL (TRUCK, 4-TON, 6 x 6)



RA PD 346982



Technical Manuals: 5-1150, 9-811,
9-1811, 9-1825B, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A
Parts Lists: ENG 7-D51, ENG
8-D51, SNL G-509

Manufacturers: Chassis: Diamond T Motor Car Co.
Equipment: Rosco Mfg. Co.

Purpose: Used by Corps of Engineers to transport and
distribute water.

Classification: Standard.

GENERAL DATA

Crew:	2
Weight (lb): Net—19,285 Payload—7,215 Gross—26,500	
Rear axle: Gear ratio:	8.435:1
Axle load (lb): Loaded Front—8,000; rear (on each axle)—9,250	
Empty Front—7,485; rear (on each axle)—5,900	
Tires: Ply—10; Size—9.00 x 20; Pressure (lb) Front—65; rear—65	
Tread, center to center (in.):	Front 73½
Shipping dimensions: Uncrated (cu ft); 1,594	(sq ft) 175.5
Vehicle dimensions:	
Ground clearance:	(in.) 11
Pintle height (loaded):	(in.) 36¾
Electrical system:	(volts) 12
No. of batteries (6 volts):	2
Capacities:	
Fuel (58 octane gasoline):	(gal) 60
Cooling system:	(qt) 48
Crankcase:	(qt) 16
Transfer case:	(qt) 5
Transmission:	(qt) 12
Differentials (qt):	Front—7; rear—each 4
Winch (load capacity):	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.):	4
Transmission: Speeds:	5
(Gear ratio: High—7.68; 4th—direct; Low—7.08:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 98.5
Turning radius (ft):	Right—37; left—38
Fording depth:	(in.) 24

Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load (on highways):	(lb) 11,000

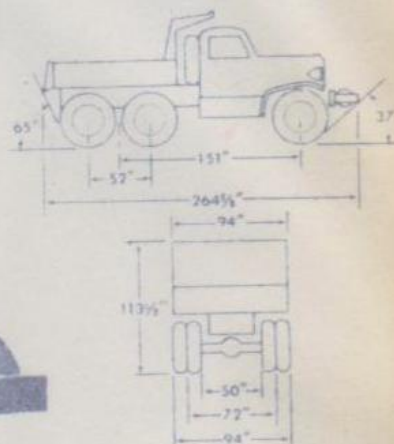
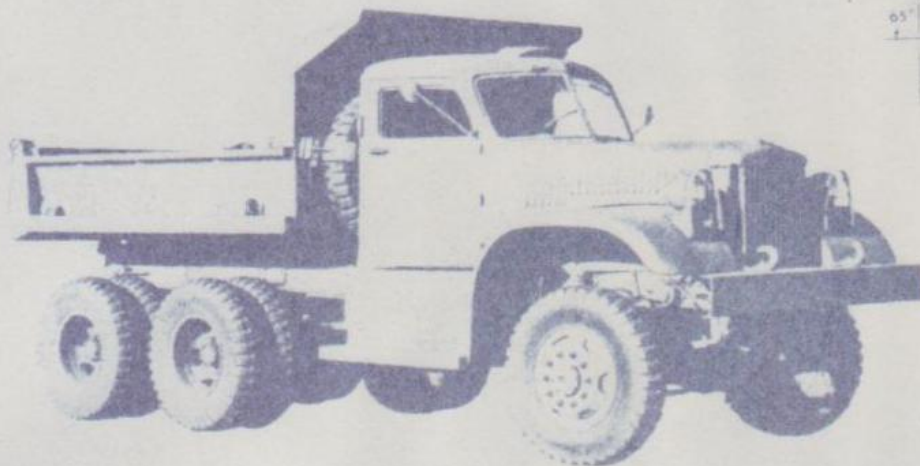
ENGINE

Manufacturer: Hercules	Model RXC
Type:	L-head, 4-cycles
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4½
Stroke:	(in.) 5¾
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

Distributor engine—Wisconsin—Model VE-4I, 4 cylinders, displacement 91.9, bore and stroke 3 x 3½, brake horsepower 17.5 at 2,200 rpm, maximum governed speed 2,200 rpm.

TRUCK, 4-TON, 6 x 6, DUMP



Technical Manuals: 9-811, 9-1811,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A
Parts List: SNL G-509

RA PD 346981

Manufacturer: Diamond T Motor Car Co.
Classification: Standard.

Purpose: To haul and dump earth, sand, gravel, etc.

GENERAL DATA

Crew:	2
Weight (lb): Net—18,050	Payload—8,350 Gross—26,400
Rear axle: Gear ratio:	8.435:1
Axle load (lb): Loaded	Front—7,850; rear—18,550
Empty	Front—7,600; rear—10,450
Tires: Ply—10; Size—9.00 x 20; Pressure (lb) Front—65; rear—65	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions:	
Uncrated—	w/ winch: 1,630 cu ft; 172.7 sq ft
	w/o winch: 1,564.4 cu ft; 166.1 sq ft
Vehicle dimensions:	
Loading height (empty)	(in.) 58 1/2
Length, without winch (over-all)	(in.) 254 1/2
Ground clearance	(in.) 11
Pintle height (loaded)	(in.) 36 1/4
Electrical system:	(volts) 12
No. of batteries (6 volts)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 48
Crankcase	(qt) 16
Transfer case	(qt) 5
Transmission	(qt) 12
Differentials (qt)	Front—7; rear—each 4
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	4
Transmission: Speeds	5
(Gear ratio: High—7.68 over; 4th—direct; Low—7.08:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

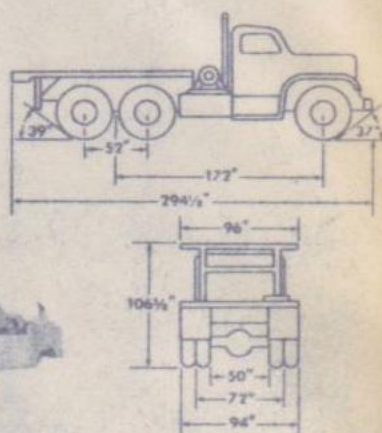
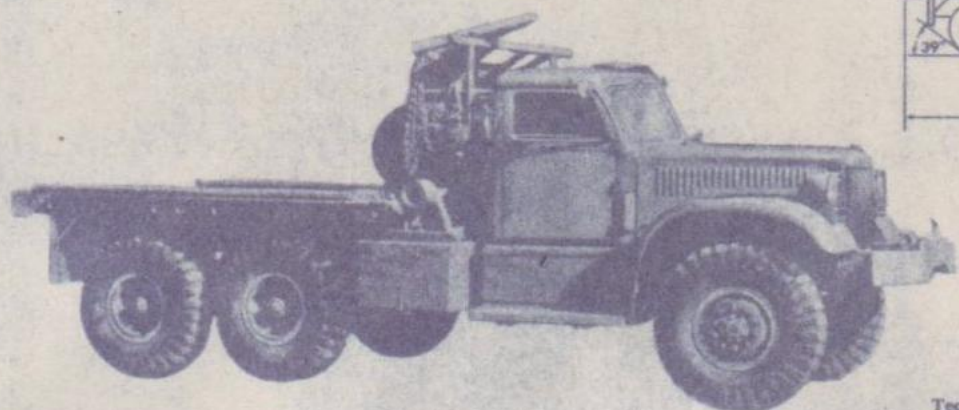
Maximum computed gradability:	(percent) 68
Turning radius:	Right—37; left—37 1/2'
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load (on highways):	(lb) 11,000

ENGINE

Manufacturer: Hercules	Model: RCC
Type:	L. head, 4-cycles
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/4
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft.-lb at (rpm) 900

ADDITIONAL DATA

TRUCK, FLAT BED, 4-TON, 6 x 6, 4DT, 172-INCH WHEELBASE, WITH "A" FRAME, CAB PROTECTOR AND WINCH, REAR MOUNTED



RA PD 347261

Technical Manuals: 9-811, 9-1811,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-589

Manufacturer: Truck—Diamond T Motor Car Co.
Classification: Standard.

Purpose: Used by Corps of Engineers for transporting and
handling heavy equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—19,300	Payload—8,000 Gross—27,300
Rear axle: Gear ratio	8.435:1
Axle load (lb):	
Loaded	Front—8,000; Rear—19,300; 9,650 on each
Empty	Front—7,650; Rear—11,650; 5,825 on each
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65, rear—65	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions: Uncrated	(cu ft) 1,741.5; (sq ft) 196
Vehicle dimensions:	
Loading height (empty)	(in.) 42 3/8
Ground clearance	(in.) 11
Pintle height (loaded)	(in.) 40
Electrical system:	
No. of batteries (6 volts each)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 48
Crankcase (refill)	(qt) 16
Transfer case	(qt) 5
Transmission (main)	(qt) 12
Differentials	Front—7; bogie (each)—4
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	
Type	air
Dimensions	(in.) 4
Transmission: Speeds	
(Gear ratio: High—0.768 over; 4th—direct; Low—7.08:1)	5
Transfer case: Speeds	
(Gear ratio: High—direct; Low—1.72:1)	2

PERFORMANCE

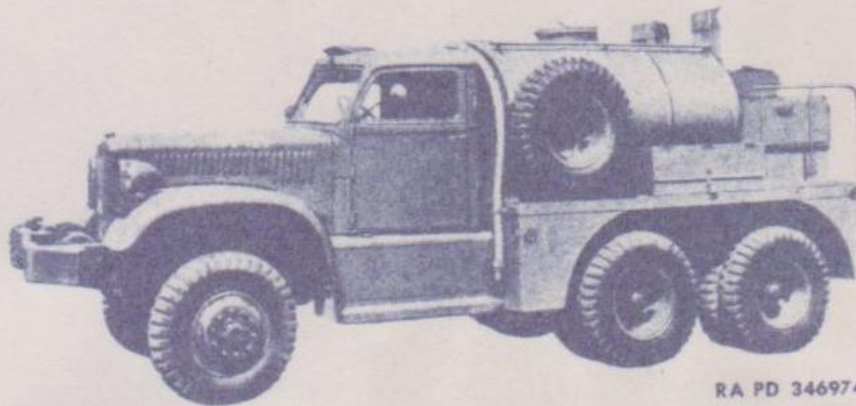
Maximum computed gradability:	(per cent) 68
Turning radius (ft):	Right—42; left—43
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load:	(lb) 11,000

ENGINE

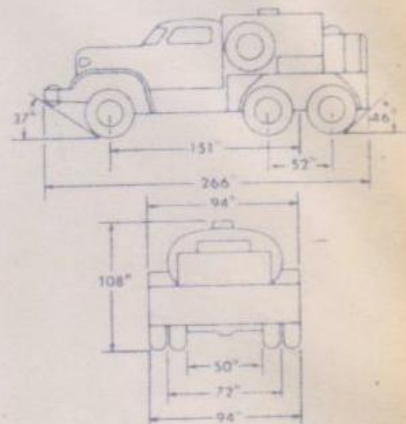
Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/2
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

TANK, ASPHALT, STEEL, TRUCK MOUNTED, W/HEATING FLUES, 800 GAL (TRUCK, 4-TON; 6 x 6)



RA PD 346974



Technical Manuals: 9-811, 5-1148,
9-1811, 9-1825B, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-509

Manufacturers: Chassis: Diamond T Motor Car Co.;
Equipment: Littleford Bros. Mfg. Co. Model 101L.
Classification: Standard.

Purpose: Used by Corps of Engineers for heating and
transporting bituminous material.

GENERAL DATA

Crew:		2
Weight (lb): Net—19,500	Payload—6,800	Gross—26,300
Rear axle:		(Gear ratio: 8.435:1)
Axle load (lb): Loaded	Front—7,850; rear, each—9,225	
	Empty	Front—7,500; rear, each—6,000
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front 65; rear—	65	
Tread, center to center (in.)	Front—	73 $\frac{3}{4}$
Shipping dimensions: Uncrated (cu ft) 1,562.7		(sq ft) 173.6
Vehicle dimensions:		
Ground clearance: 11 in.	Pintle height (loaded) (in.)	36 $\frac{3}{4}$
Electrical system:		(volts) 12
No. of batteries (6 volts)		2
Capacities:		
Fuel (68 octane gasoline)		(gal) 60
Cooling system		(qt) 48
Crankcase (refill)		(qt) 16
Transfer case		(qt) 5
Transmission		(qt) 12
Differential (qt)	Front—7; rear, each—	4
Winch (load capacity)		(lb) 15,000
Brakes: Manufacturer—Bendix Westinghouse		Type—air
Dimensions (in.)		4
Transmission: Speeds		5
(Gear ratio: High—7.68 over; 4th—direct; Low—7.08:1)		
Transfer case: Speeds		2
(Gear ratio: High—direct; Low—1.72:1)		

PERFORMANCE

Maximum computed gradability:		(percent) 98.5
Turning radius (ft):	Right—37; left—	38
Fording depth (in.)		24
Fuel consumption (loaded):		(mpg) 3

Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load (on highways):	(lb) 11,000

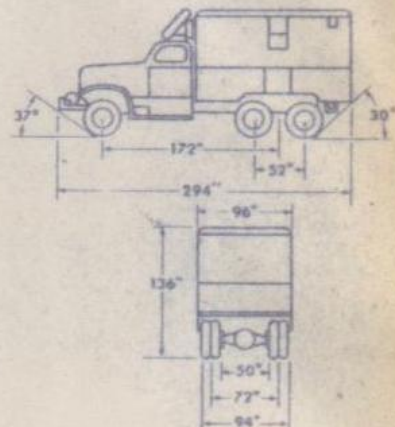
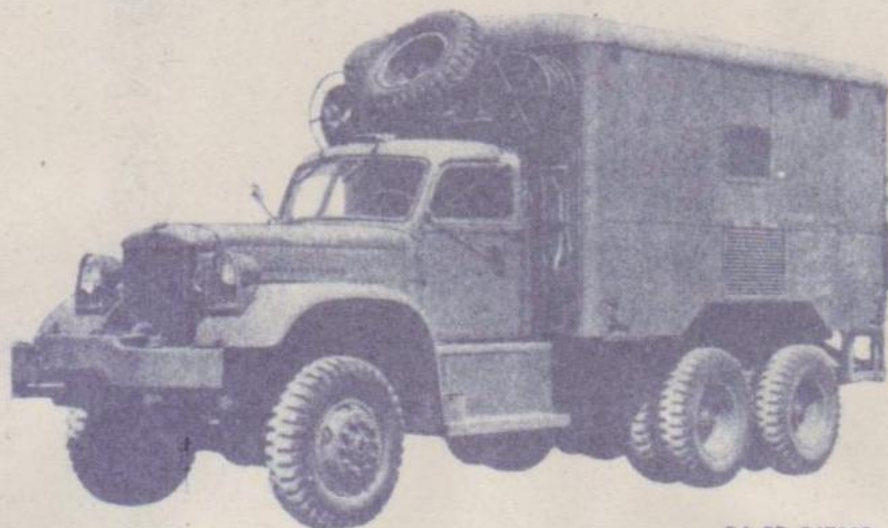
ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycles	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 $\frac{1}{4}$
Stroke:	(in.) 5 $\frac{1}{4}$
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106, at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

Equipment engine, Wisconsin, Model VE-1; 4 cylinders; displacement 91.9; bore and stroke 3 x 3 $\frac{1}{4}$; brake horsepower 17.5 at 2,200 rpm; maximum governed speed 2,200 rpm.

**REPRODUCTION EQUIPMENT, PRESS SECTION, 22" x 29",
MOTORIZED (TRUCK, 4-TON, 6 x 6, W/VAN TYPE BODY)**



RA PD 347195

Technical Manuals: 9-511, 9-1811,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-509

Manufacturers: Chassis: Diamond T Motor Car Co.;
Body: McCabe-Powers Autobody Co., and Peter Wendel & Sons.

Classification: Standard.

Purpose: Used by Corps of Engineers to transport equipment for map reproduction units.

GENERAL DATA

Crew:	2
Weight (lb):	23,000 - 27,100
Rear axle: Gear ratio:	8.435:1
Axle load (lb): Loaded:	Front—7,000; rear—17,000
Tires: 10; Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear 65	
Tread, center to center (in.):	Front—73 3/4
Shipping dimensions:	
Uncrated:	(cu ft) 2,265.5 (sq ft) 200
Vehicle dimensions:	
Ground clearance:	(in.) 11
Pintle height (loaded):	(in.) 36 3/4
Electrical system:	(volts) 12
No. of batteries (6 volt):	2
Capacities:	
Fuel (68 octane gasoline):	(gal) 60
Cooling system:	(qt) 48
Crankcase (refill):	(qt) 16
Transfer case:	(qt) 5
Transmission:	(qt) 12
Differentials (qt):	Front—7; rear (each)—4
Winch (load capacity):	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions:	(in.) 4
Transmission: Speeds:	5
(Gear ratio: High—.768:1 4th—direct; Low—7.08:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 68
Turning radius (ft):	Right—42; left—43

Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 160
Allowable speed:	(mph) 40
Maximum recommended towed load:	(lb) 11,000

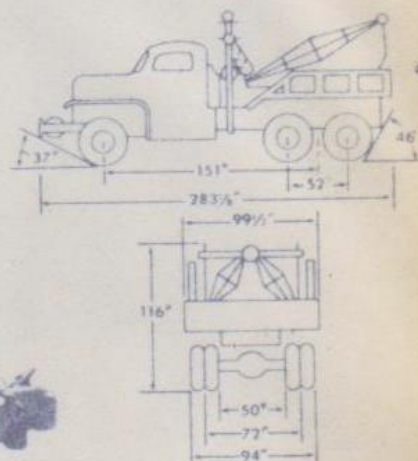
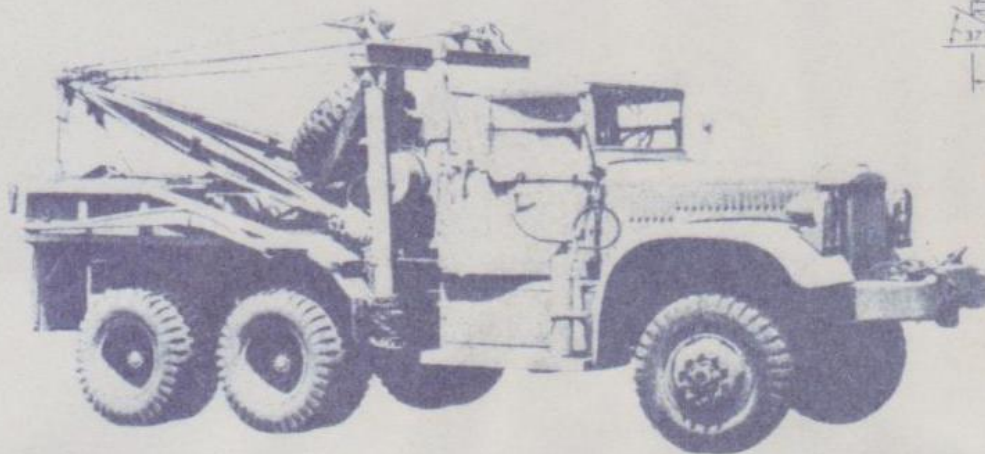
ENGINE

Manufacturer: Hercules:	Model RXX
Type: L-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 5/8
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

The same basic vehicle with different equipment is also used as:
Camera section 24" x 24"; Press section 20" x 22 1/2"; Camera section 24" x 30" (Van type body: 2 ft longer; over-all vehicle length 318"). Weight varies with equipment within limits shown in General Data.

TRUCK, 4-TON, 6 x 6, WRECKER



RA PD 346999

Technical Manuals: 9-811, 9-1811,
9-1825B, 9-1825C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-509

Manufacturer: Diamond T Motor Car Co.
Classification: Standard.

Purpose: To lift and tow disabled vehicles.

GENERAL DATA

Crew:	2
Weight (lb): Net—21,350 Payload 350—Crew: Gross—21,700	
Rear axle: Gear ratio	8.435:1
Axle load (lb): Loaded	Front—8,000; rear—13,700
Empty	Front—7,800; rear—13,550
Tires: Ply—10, Size—9.00 x 20; Pressure (lb) — Front—65; rear— 65	
Tread, center to center (in.):	Front—73 3/4
Shipping dimensions: Uncrated (cu ft) 1,890	(sq ft) 195.6
Vehicle dimensions:	
Ground clearance	(in.) 11
Printie height (loaded)	(in.) 36 3/4
Electrical system:	(volts) 12
No. of batteries (6 volts each)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 48
Crankcase (refill)	(qt) 46
Transfer case	(qt) 5
Transmission	(qt) 12
Differentials (qt)	Front—7; rear, each— 4
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendis Westinghouse	Type—air
Dimensions	(in.) 4
Transmission: Speeds	5
(Gear ratio: High— 7.68 over; 4th—direct; Low—7.08:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 98.5
Turning radius (ft):	Right—37'; left—37' 10"
Fording depth:	(in.) 24

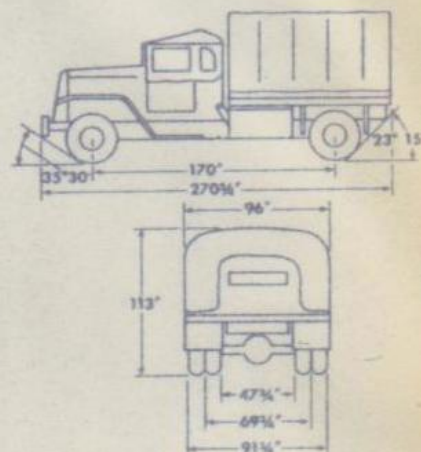
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load (on highways)	(lb) 11,000

ENGINE

Manufacturer: Hercules	Model: RXC
Type: L head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 3/4
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft.-lb at (rpm) 900

ADDITIONAL DATA

TRUCK, 5-TON, 4 x 2, CARGO



Technical Manual: 10-1681
Parts List: TM 10-1680

RA PD 347088

Manufacturer: Mack Manufacturing Corp.

Purpose: To transport general cargo.

GENERAL DATA

Crew:	2
Weight (lb): Net—10,500	Payload—10,000
Gross—20,500	
Rear axle: (Gear ratio 8.59:1)	
Axle load (lb): Loaded	Front—5,250; rear—15,250
Empty	Front—4,615; rear—5,885
Tires: Ply—10; Size 9.00 x 20; Pressure (lb)	Front—65; rear—65
Tread, center to center (in.):	Front—69 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,700; (sq ft) 180
Vehicle dimensions:	
Loading height (empty)	(in.) 52 7/8
Ground clearance	(in.) 10
Pintle height (empty)	(in.) 31 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 50
Cooling system	(qt) 31
Crankcase (refill)	(qt) 9
Transmission	(qt) 10 1/2
Differential	(qt) 14
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—3; rear—4
Transmission: Speeds	5
(Gear ratio: High—1:1; Low—8.05:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 35
Turning radius (ft):	Right—35'5"; left—32'11"
Fording depth:	(in.) 25 3/4
Fuel consumption (loaded):	(mpg) 5.5

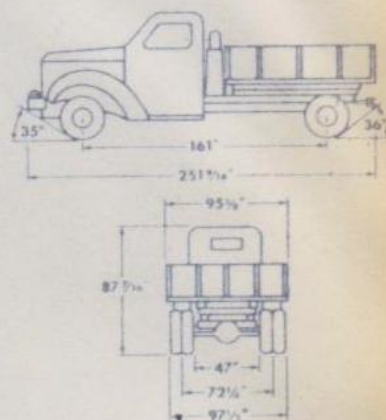
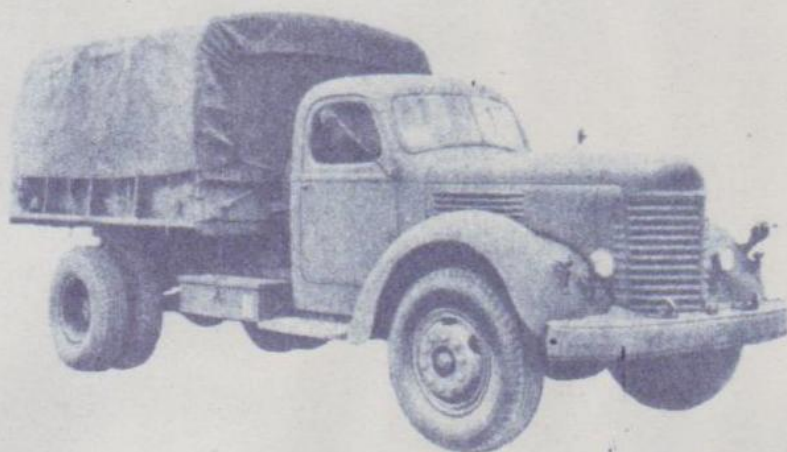
Cruising range (loaded):	(mi) 275
Allowable speed:	(mph) 35

ENGINE

Manufacturer: Mack	Model EN354
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 354
Bore:	(in.) 3 3/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	110 at (rpm) 2,620
Torque:	254 ft-lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK, 5-TON, 4 x 2, DUMP



RA PD 347276

Technical Manuals: 9-823, 9-1823,
9-1825A, 9-1826C, 9-1827A, 9-1828A,
9-1829A

Parts List: SNL G-542

Manufacturer: International Harvester Company.

Purpose: To haul and dump earth, sand, gravel, etc.

GENERAL DATA

Crew:	2
Weight (lb): Net—12,815	Payload—10,000
Gross—22,815	
Rear axle: Gear ratio	8.05:1
Axle load (lb): Loaded	Front—5,843; rear—16,970
Empty	Front—5,285; rear—7,530
Tires: Ply—12; Size—10.00 x 20; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—71 1/4
Shipping dimensions: Uncrated	(cu ft) 1,215; (sq ft) 166.4
Vehicle dimensions:	
Ground clearance	(in.) 11 1/4
Pintle height (loaded)	(in.) 32 3/4
Electrical system:	(volts) 12
No. of batteries (6-volts each)	2
Capacities:	
Fuel (72 octane gasoline)	(gal) 31
Cooling system	(qt) 27
Crankcase (refill)	(qt) 8
Transmission (main)	(qt) 13
Differential	(qt) 8 1/2
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.):	Front—3; rear—5 1/4
Transmission: Speeds	5
(Gear ratio: High—direct; Low—8.08:1)	

PERFORMANCE

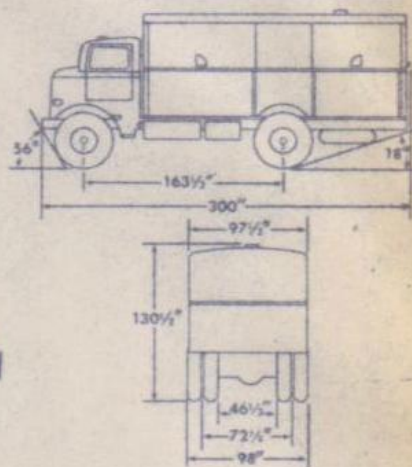
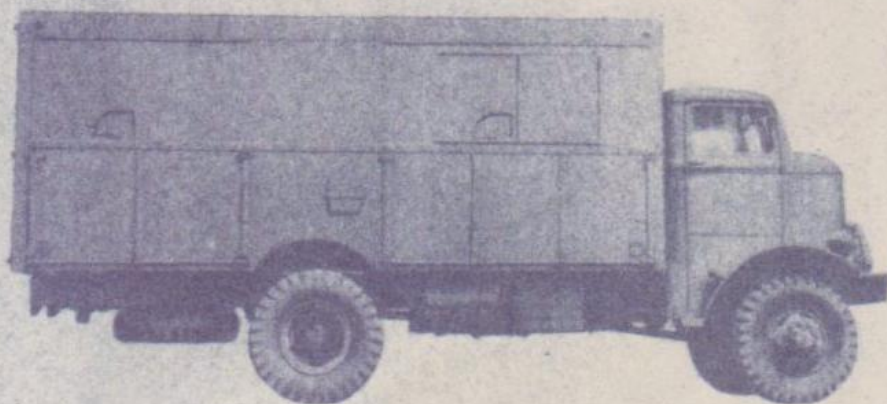
Maximum computed gradability:	(per cent) 50.6
Turning radius (ft):	Right—29, left—29
Fording depth:	(in.) 32 1/4
Fuel consumption (loaded):	(mpg) 5 1/4
Cruising range (loaded):	(mi) 162
Allowable speed:	(mph) 36.6

ENGINE

Manufacturer: I. H. C.	Model RED 450-D
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 450.99
Bore:	(in.) 4 1/4
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	124.5 at (rpm) 2,600
Torque:	348 ft.-lb at (rpm) 8,000

ADDITIONAL DATA

TRUCK, 5-6 TON, 4 x 4, VAN



RA PD 346962

Technical Manuals: 9-817, 9-1817,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-511

Manufacturers: Chassis: The Autocar Co.;
Body: York-Hoover Co.
Make of vehicle illustrated: Autocar with York-Hoover
body, K-31.

Classification: Standard.

Purpose: To transport general cargo. Similar vehicles
designated K-30, K-31, and K-62, used by Army Air
Forces to house and transport radio equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—19,280 Payload—8,420 Gross—27,700	
Rear axle: Gear ratio:	8.148:1
Axle load (lb): Loaded	Front—8,530; rear—19,170
Empty	Front—7,320; rear—11,950
Tires: Ply—14; Size—12.00 x 20; Pressure (lb)—Front—80; rear—80	
Tread, center to center (in.):	Front—71 3/4
Shipping dimensions: Uncrated	* cu ft; 203 sq ft
Vehicle dimensions (in.): Refer to additional data	
Height (over-all): **	Loading height (empty) 49 1/4
Ground clearance: 10 1/4	Pintle height—loaded 38
Electrical system: (12 volt starter)	(volts) 6
No. of batteries (6 volt)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 90
Cooling system	(qt) 40
Crankcase	Dryfill (qt) 14; Refill (qt) 12
Transfer case	(qt) 2
Transmission	(qt) 7
Differentials	Front—8 qt; rear—(qt) 10
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5 1/2
Transmission: Speeds	5
(Gear ratio: High—.75 over; 4th—direct; Low—5.9:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—35; left—35

Fording depth (in.):	24 1/2
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 270
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 8,000

ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders in line 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 5/8
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	112 at (rpm) 2,200
Torque:	368 ft-lb at (rpm) 1,000

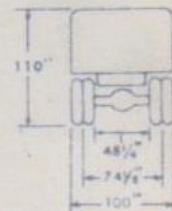
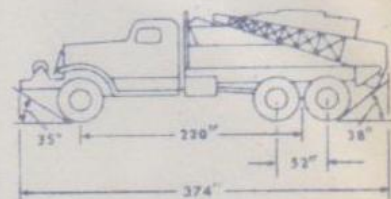
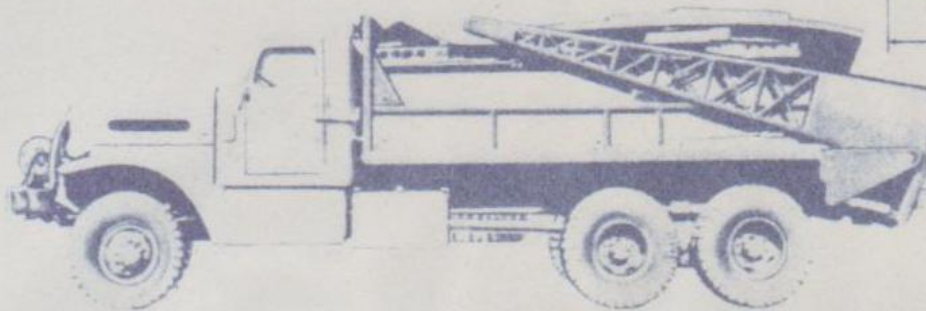
ADDITIONAL DATA

K-62 similar to K-30.

*Cubic feet: K-30, 2,159; K-31, 2,220.

**Height over-all (ft): K-30, 127 1/2; K-31, 130 1/2.

TRUCK, 6-TON, 6 x 6, CARGO (TREADWAY), (4DT)



RA PD 347237

Technical Manuals: 5-8060, 9-813,
9-1813, 9-1825A, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A

Parts List: SNL G-547

Manufacturers: Truck: Brockway Motor Co. Body: Heil Corp.; Daybrook Hydraulic Corp.

Classification: Corps of Engineers standard.

Purpose: Used by Corps of Engineers to transport and erect bridge equipment.

GENERAL DATA

Crew:	2	
Weight (lb): Net—26,500	Payload—12,000	Gross—38,500
Rear axle: Gear ratio	7.33:1	
Axle load (lb):		
Loaded (each)	Front—11,750; rear—13,375	
Empty (each)	Front—7,950; rear—9,275	
Tires: Ply—14. Size—12.00 x 20. Pressure (lb)—Front—80; rear—80		
Tread, center to center (in.):	Front—73 1/2	
Shipping dimensions:		
Uncrated	(cu ft) 2,312.5; (sq ft) 256.9	
Vehicle dimensions (in.):		
Loading height (empty)	(in.) 60	
Ground clearance	(in.) 11	
Pintle height (loaded)	(in.) 35	
Electrical system:	(volts) 12	
No. of batteries	(6 volt) 2	
Capacities:		
Fuel (70 octane gasoline)	(gal) 80	
Cooling system	(qt) 58	
Crankcase (refill)	(qt) 20	
Transfer case	(qt) 6 1/2	
Transmission (main)	(qt) 10	
Differentials (qt)	Front—10; rear—12	
Winch	(qt) 3	
Load capacity	(lb) 25,000	
Brakes: Manufacturer—Bendix-Westinghouse	Type—air	
Dimensions (in.)	Front—4; rear—5 1/2	
Transmission: Speeds	4	
(Gear ratio: High—direct; Low—6.54:1)		
Transfer case: Speeds	2	
(Gear ratio: High—direct; Low—2.55:1)		

PERFORMANCE

Maximum computed gradability:	(per cent) 96
Turning radius (ft):	Right—49; left—48
Fording depth:	(in.) 45 1/2
Fuel consumption (loaded):	(mpg) 2 1/2
Cruising range (loaded):	(mi) 200
Allowable speed:	(mph) 37
Maximum recommended towed load: On highways	(lb) 16,000

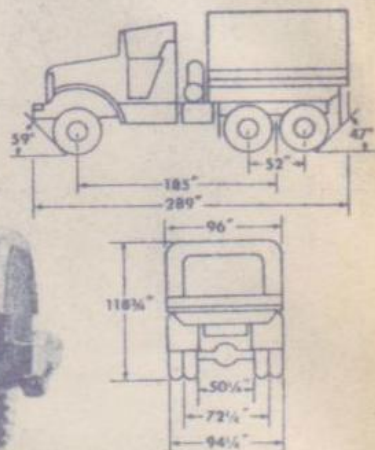
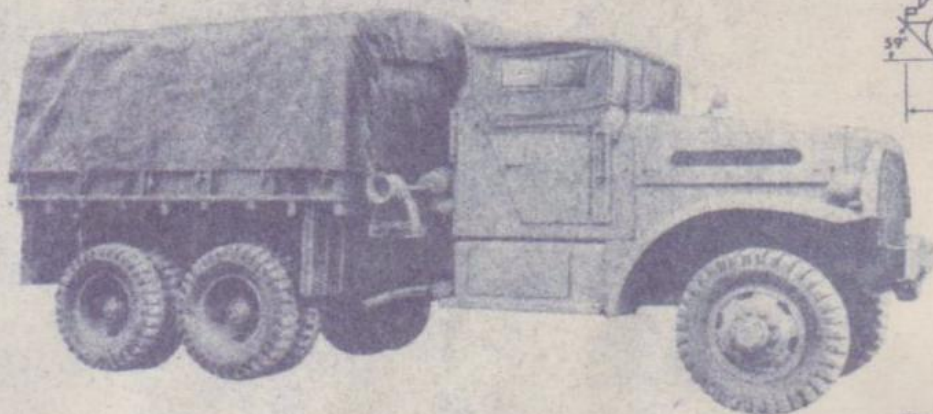
ENGINE

Manufacturer: Hercules	Model: HXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	202 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

ADDITIONAL DATA

Crane capacity: 8,000 lb.
Net weight of body and crane: 6,500 lb.

TRUCK, 6-TON, 6 x 6, PRIME MOVER



RA PD 347294

Technical Manuals: 9-813, 9-1813,
9-1825A, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-514

Manufacturer: The White Motor Company.
Classification: Standard.

Purpose: To tow heavy artillery and transport cargo and personnel.

GENERAL DATA

Crew:	2
Weight (lb):	Net—21,530; Payload*—12,350; Gross—33,880
Rear axle: Gear ratio:	7.33:1
Axle load (lb): Loaded:	Front—8,780; rear—25,100
Empty:	Front—8,380; rear—12,950
Tires: Ply—12; Size—10.00 x 22; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions: Uncrated	(cu ft) 1,906.5; (sq ft) 192.6
Vehicle dimensions:	
Loading height (empty)	(in.) 58 1/4
Ground clearance	(in.) 10 3/4
Pintle height (loaded)	(in.) 29 1/4
Electrical system:	(volts) 12
No. of batteries (6 volts each)	2
Capacities:	
Fuel (70 octane gasoline)	(gal) 80
Cooling system	(qt) 58
Crankcase (refill)	(qt) 14
Transfer case	(qt) 3 1/2
Transmission (main)	(qt) 9
Differentials (qt)	Front—11; rear—12
Winch (load capacity)	(lb) 25,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.54:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(percent)	87
Turning radius (ft):	Right—41; left—41	
Fording depth:	(in.)	24
Fuel consumption (loaded):	(mpg)	3 1/2
Cruising range (loaded):	(mi)	300
Allowable speed:	(mph)	35
Maximum recommended towed load: On highways	(lb)	15,500

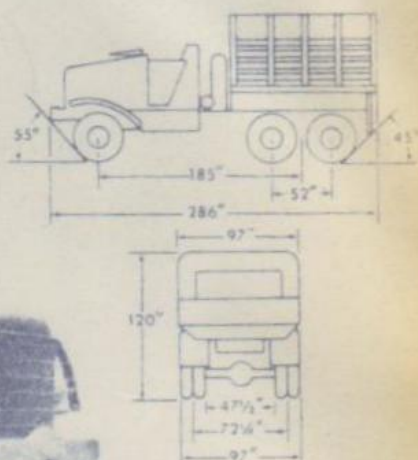
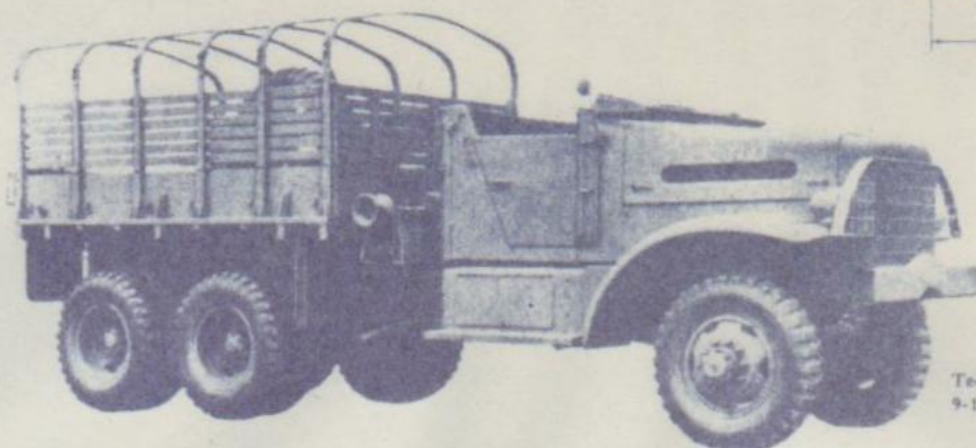
ENGINE

Manufacturer: Hercules	Model HXDD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	202 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

ADDITIONAL DATA

*w/trailer load 5,350.

TRUCK, 6-TON, 6 x 6, PRIME MOVER



Technical Manuals: 9-813, 9-1813,
9-1825A, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-512

RA PD 347227

Manufacturer: The Corbitt Co.
Classification: Standard.

Purpose: To tow heavy artillery and to transport personnel
and cargo.

GENERAL DATA

Crew:	2
Weight (lb):	
Net—22,070; Payload—*12,350 w/o trailer load; Gross—34,420	
Rear axle: Gear ratio:	7.33:1
Axle load (lb):	
Loaded:	Front—8,820; rear—25,600
Empty:	Front—8,650; rear—13,420
Tires: Ply—12; Size—10.00 x 22; Pressure (lb)—Front—*70; rear—70	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions: Uncrated:	(cu ft) 1,450; (sq ft) 192.6
Vehicle dimensions:	
Loading height (empty):	(in.) 57 1/2
Ground clearance:	(in.) 10
Pintle height (loaded):	(in.) 32
Electrical system:	(volts) 12
No. of batteries:	(6 volt) 2
Capacities:	
Fuel (70 octane gasoline):	(gal) 80
Cooling system:	(qt) 65
Crankcase (refill):	(qt) 14
Transfer case:	(qt) 3 1/2
Transmission:	(qt) 9
Differentials (qt):	Front—8; rear—6
Winch (load capacity):	(lb) 15,000
Brakes: Manufacturer—Westinghouse:	Type—air†
Dimensions (in.):	Front—4; rear—5 1/2
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—6.51:1)	
Transfer case: Speeds:	2
Gear ratio: High—direct; Low—2.55:1	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—41; left—42
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 2 1/2
Cruising range (loaded):	(mi) 200
Allowable speed:	(mph) 37 1/2
Maximum recommended towed load:	(lb) 16,500

ENGINE

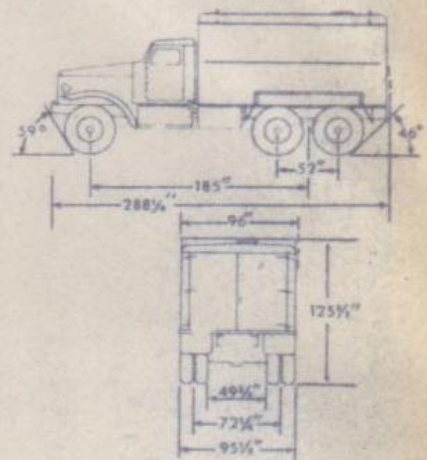
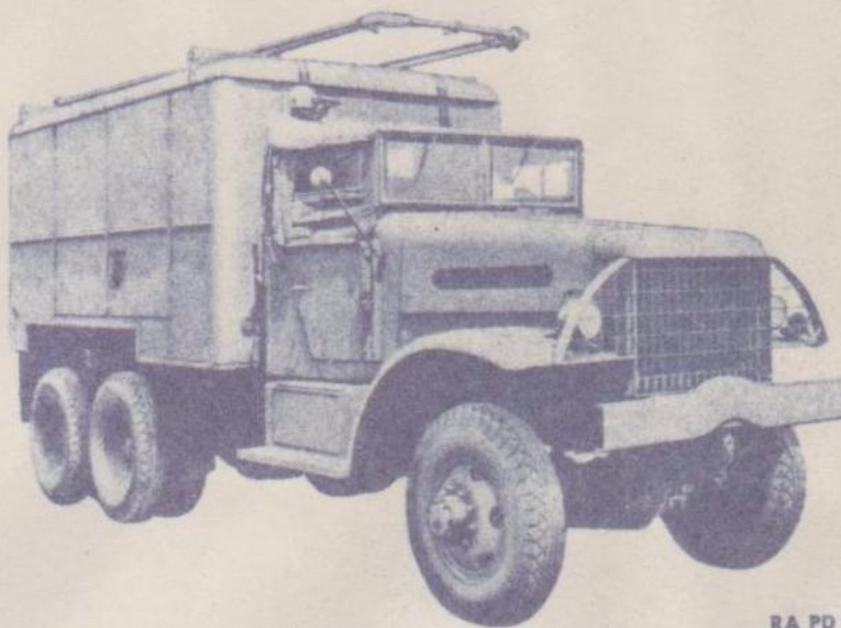
Manufacturer: Hercules:	Model HXD
Type: L-head, 4-cycle:	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	202 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

ADDITIONAL DATA

*With trailer load—5,350.

†Equipped with electric controls for trailer brakes.

TRUCK, 7½-TON, 6x6, PRIME MOVER.



Technical Manuals: 9-813, 9-1813,
9-1825A, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-514

RA PD
346966

Manufacturers: Chassis: White Motor Co.; Van body:
Superior Coach Corp., and P. A. Thomas Car Works.
Classification: Standard when part of radio set SCR-545-A

Make of vehicle illustrated: Superior Coach Body.
Purpose: Used by Army Air Forces as a prime mover and
power van.

GENERAL DATA

Grew:	2
Weight (lb): Net—21,200	Payload—6,170 Gross—27,370
Rear axle: (Gear ratio: 7.33:1)	
Axle load (lb): Loaded	Front—8,220; rear—19,150
	Empty Front—8,090; rear—13,110
Tires: Ply—12 Size—10.00 x 22; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—73½
Shipping dimensions: Uncrated	2018 cu ft; 192 sq ft
Vehicle dimensions (in.): Ground clearance	10½
Electrical system:	(volts) 12
No. of batteries (6 volt)	2
Capacities:	
Fuel (70 octane gasoline)	(gal) 80
Cooling system	(qt) 58
Crankcase	(qt) 14
Transfer case	(qt) 3½
Transmission	(qt) 9
Differentials	Front—11 qt; rear—(qt) 12
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5½
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.54:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 87
Turning radius (ft):	Right—41; left—41
Fording depth (in.):	24
Fuel consumption (mpg):	Loaded—3¾
Cruising range (loaded):	(mi) 300

Allowable speed:	(mph) 35
Maximum recommended towed load:	(lb) 16,500

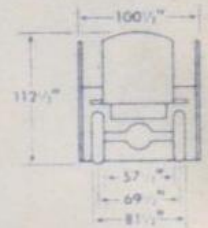
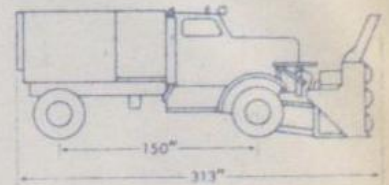
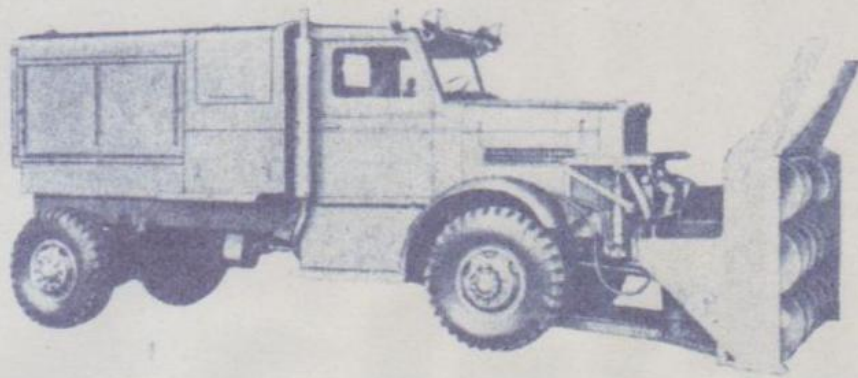
ENGINE

Manufacturer: Hercules	Model HXD
Type: L-head, 4-cycle	No. of cylinders 6 in line
Displacement:	(cu in.) 855
Bore:	(in.) 5½
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	302 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

ADDITIONAL DATA

When "A" frame is carried on truck roof over-all height is 131½ inches, and shipping cubage 2,105 cu ft.

PLOW, SNOW, ROTARY, GASOLINE ENGINE DRIVEN, TRUCK MOUNTED (TRUCK, 7½-TON, 4 x 4)



RA PD 347313

Manufacturers: Snow Plow: Klauer Mfg. Co.; Truck:
Oshkosh Mfg. Co.
Classification: Standard.

Make of vehicle illustrated: Klauer Model TU-3, Snow
Plow; Oshkosh 7½ ton, 4 x 4 Truck.
Purpose: Used by Corps of Engineers to remove snow from
roads and runways.

GENERAL DATA

Crew	2
Weight (lb):	Gross—23,020
Tires: 4; Ply—14; Size—12.00 x 20; Pressure (lb) Front—80; rear—80	Front—69½
Tread: (center to center)	Front—69½
Shipping dimensions: Unerated	(cu ft) 2,048; (sq ft) 218.4
Ground clearance:	(in.) 8
Electrical system (volts):	Plow—6; truck—12
No. of batteries	Plow—2; truck—1
Capacities:	
Plow	(gal) 125
Truck	(gal) 100
Cooling system (qt)	Plow—84; truck—46
Crankcase	Refill (qt) 20
Transmission	Main (qt) 6
Brakes:	
Manufacturer	Bendix-Westinghouse—Air—17¼ x 4
Type	Internal expanding
Dimensions	(in.) 51½
Transmission: Speeds	5
(Gear ratio: High—.776:1; Low—7.07:1)	
Transfer case: Speeds	2
(Gear ratio: High—6.3:1; Low—91.0:1)	

PERFORMANCE

Turning radius:	(ft) 86
Allowable speed:	(mph) 30

ENGINE

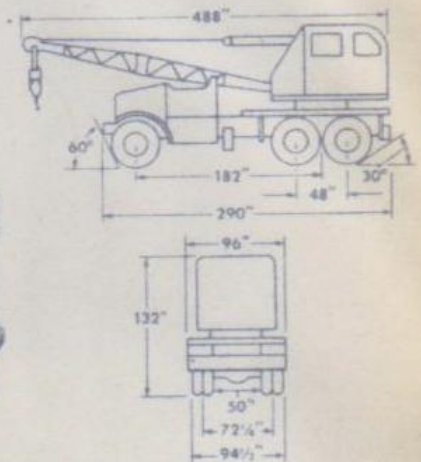
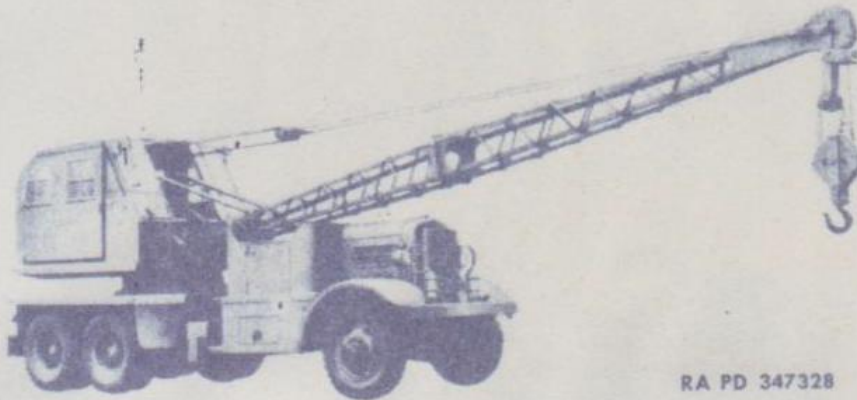
Manufacturer: Hercules	Model RXC
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4½

Stroke:	(in.) 5¼
Maximum governed speed:	(rpm) 2,300
Brake horsepower	131 at (rpm) 2,300
Torque:	395 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Engine power unit: Make—Climax	Model—R61
Displacement:	(cu in.) 1187
Cylinders:	6
Bore	(in.) 6
Stroke	(in.) 7
Governed speed:	(rpm) 1000
Brake horsepower	175 hp at (rpm) 1000

TRUCK, 7½-TON, 6x6, CRANE MOUNTED, MODEL P1



RA PD 347328

Manufacturer: Biederman Motors Corporation.

Purpose: Used by Army Air Forces to lift loads up to 20,000 lbs.

GENERAL DATA

Crew:	3
Weight (lb): Net—22,800 Payload * Gross—40,000	
Rear axle: Gear ratio	9.16:1
Axle load (lb): Empty	Front—9,380; bogie—13,420
Tires: Ply—12; Size—10.00 x 22; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—72½
Shipping dimensions:	
Uncrated	(cu ft) 2,112; (sq ft) 192
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height (loaded)	(in.) 36
Electrical system:	(volts) 12
No. of batteries	1-12 volt or 2-6
Capacities:	
Fuel (70 octane gasoline)	(gal) 46
Cooling system	(qt) 60
Crankcase (refill)	(qt) 14
Transfer case	(qt) 3
Transmission	(qt) 16
Differential (qt)	(each) 7
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—6
Transmission: Speeds	5
(Gear ratio: High—0.69:1; Low—5.23:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 55
Turning radius (ft):	Right—38; left—38
Fording depth:	(in.) 26
Fuel consumption (loaded):	(mpg) 3¼

Cruising range (loaded):	(mi) 140
Allowable speed:	(mph) 35
Maximum recommended towed load:	(lb) 40,000

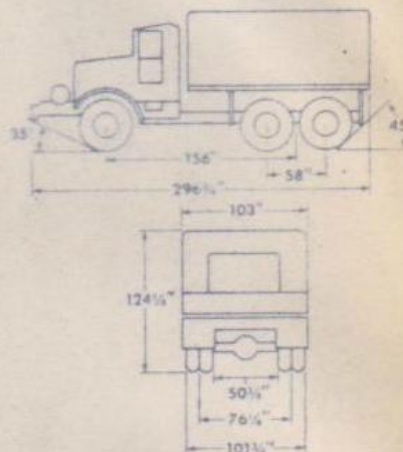
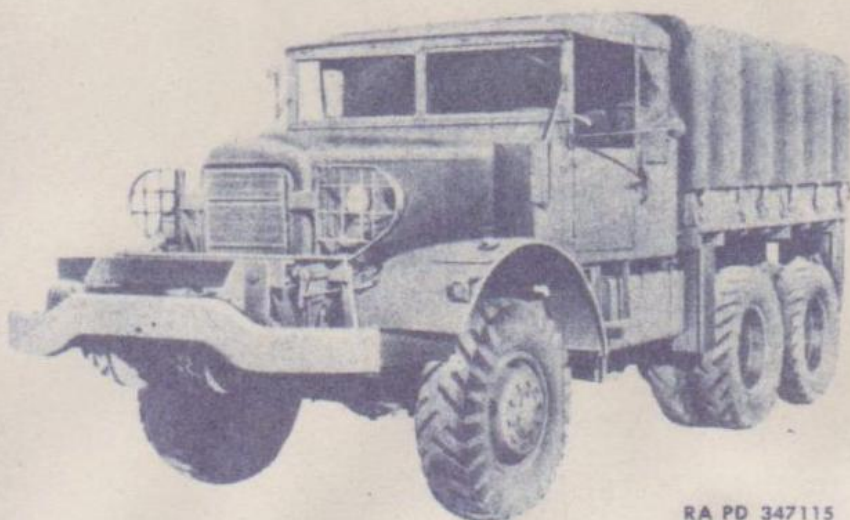
ENGINE

Manufacturer: Hercules	Model HXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5½
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower	202 at (rpm) 2,150
Torque:	644 ft-lb at (rpm) 800

ADDITIONAL DATA

*Weight of crane and dunnage, 17,200 lb.

TRUCK, 7½-TON, 6x6, PRIME MOVER



Technical Manual: 10-1679
Parts List: SNL G-532

RA PD 347115

Manufacturer: Mack Manufacturing Corp.
Classification: Standard.

Purpose: To tow heavy artillery (155-mm and 240-mm);
and transport general cargo and personnel.

GENERAL DATA

Crew:	4
Weight (lb): Net—29,103 *Payload—15,350 Gross—44,453	
Rear axle: Gear ratio	9.02:1
Axle load (lb): Loaded	Front—13,363; rear—31,090
Empty	Front—12,634; rear—16,469
Tires: Ply—14; Size—12.00 x 24; Pressure (lb)—Front—80; rear—65	
Tread, center to center (in.):	Front—76½
Shipping dimensions:	
Uncrated	(cu ft) 2,198; (sq ft) 212
Vehicle dimensions:	
Loading height (empty)	(in.) 63½
Ground clearance	(in.) 12½
Pintle height (loaded)	(in.) 42½
Electrical system:	(volts) 12
No. of batteries (6 volt)	2
Capacities:	
Fuel (70 octane gasoline)	(gal) 160
Cooling system	(qt) 54
Crankcase (refill)	(qt) 19
Transfer case	(qt) 15
Transmission	(qt) 14
Differentials (qt)	Front—7½; rear—11½
Winch (load capacity)	(lb) 40,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—6
Transmission: Speeds	5
(Gear ratio: High—1:1; Low—8.05:1)	
Transfer case: Speeds	2
(Gear ratio: High—1:1; Low—2.50:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—36; left—36
Fording depth (in.):	48
Fuel consumption (loaded):	(mpg) 2.5
Cruising range (loaded):	(mi) 400
Allowable speed:	(mph) 32
Maximum recommended towed load:	(lb) 32,000

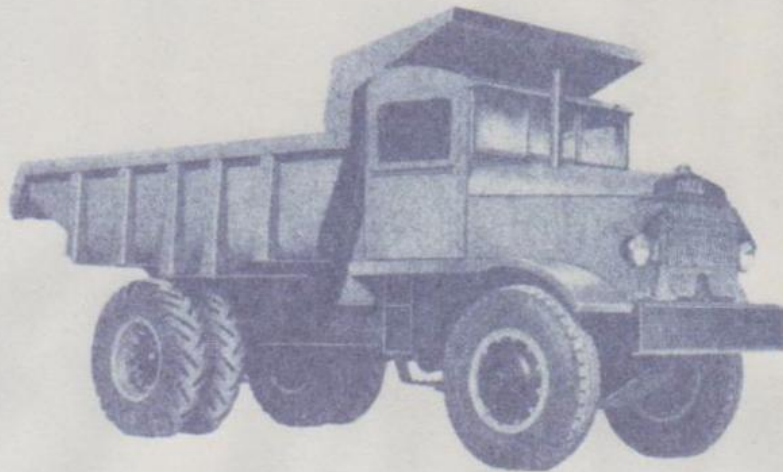
ENGINE

Manufacturer: Mack	Model EY
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 707
Bore:	(in.) 5
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,100
Brake horsepower:	159 at (rpm) 2,100
Torque:	534 ft-lb at (rpm) 800

ADDITIONAL DATA

*With maximum towed load, the payload should be reduced to 10,350 lb.

TRUCK, DUMP BODY, 10 CU YD, 4 x 2, 2DT, 157-IN. WHEELBASE



Manufacturer: Euclid Road Machinery Co.

Purpose: Used by Corps of Engineers for earth moving operations.

Make of vehicle illustrated: Euclid Road Machinery Model 2FD.

GENERAL DATA

Weight (lb): Net—28,820	.....	Payload—30,000
Weight distribution:		
Front wheels	..... (lb)	14,070
Drive wheels	..... (lb)	17,750
Tires:		
Front	..... Ply—14; Size—12.00 x 24	
Rear	..... Ply—20; Size—14.00 x 24	
Wheelbase	..... (in.)	157
Vehicle dimensions:		
Width	..... (in.)	108
Height	..... (in.)	123
Length	..... (in.)	276
Wheel spacing (in.)	Front—75; rear (center of duals)—71½	
Tire spacing (dual)	..... (in.)	16½
Electrical system:		
Electrical system	..... (volts)	12
No. of batteries	.....	2
Capacities:		
Fuel (Diesel)	..... (gal)	60
Cooling system	..... (qt)	60
Crankcase (refill)	..... (qt)	20
Transmission	..... (qt)	18
Transmission:		
(Gear ratio: High—.65 : 1; low—7.14 : 1)		

ENGINE

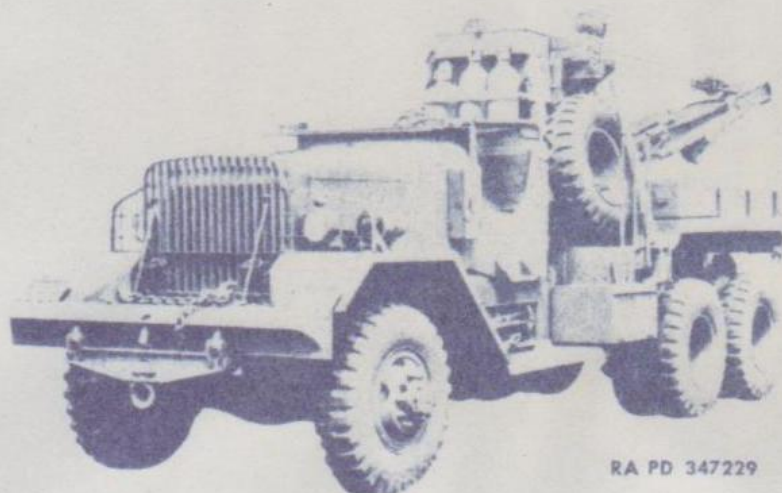
Manufacturer: Cummins	.....	Model HB-600
Type: 4-cycle	.....	No. of cylinders 6
Displacement	..... (cu in.)	672
Bore	..... (in.)	4½
Stroke	..... (in.)	6
Maximum governed speed	..... (rpm)	1,800
Brake horsepower	..... 150 at (rpm)	1,800
Torque	..... 500 ft-lb at (rpm)	600-850

ADDITIONAL DATA

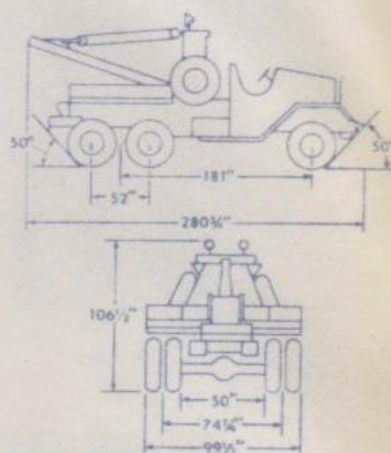
PERFORMANCE

Turning radius (ft) Right—32½; left—31½

TRUCK, WRECKING, HEAVY, M1 AND M1A1



RA PD 347229



Technical Manuals: 9-795, 9-796,
9-1795A, 9-1795B, 9-1795C, 9-1795D,
9-1796, 9-1825B, 9-1826B, 9-1827A,
9-1829A

Parts List: SNL G-116

Manufacturers: Ward La France Truck Division and
Kenworth Motor Truck Co.

Classification: M1A1 Standard; M1 limited standard.
Make of vehicle illustrated: Ward La France.

Purpose: To tow, salvage, and recover, disabled heavy
vehicles and equipment, as well as for numerous repair
operations where heavy hoist and winch equipment is
needed.

GENERAL DATA

Crew:		2
Weight (lb): Net—27,330	Payload—8,000	Gross—35,330
Rear axles: Gear ratio		8.27:1
Axle load (lb): Empty	Front—9,880; rear—12,725 on each	
Tires: Ply—12; Size—11.00 x 20; Pressure (lb)—Front—70; rear—70		
Tread, center to center (in.):	Front—73 3/4	
Shipping dimensions:		
Uncrated:	(cu ft) 1,721.6; (sq ft) 207.6	
Vehicle dimensions:		
Loading height (empty)	(in.)	56
Ground clearance	(in.)	11
Pintle height (loaded)	(in.)	36
Electrical system:	(volts)	12
No. of batteries:		1
Capacities:		
Fuel (68 octane gasoline)	(gal)	100
Cooling system	(qt)	35
Crankcase (refill)	(qt)	14
Transfer case	(qt)	3
Transmission (main)	(qt)	12
Differentials (qt)	Front—16; rear—14	
Winch (load capacity) (lb)	Front—20,000; rear—47,500	
Brakes: Manufacturer—Bendix Westinghouse	Type—air	
Dimensions (in.)	Front—4; rear—6	
Transmission: Speeds		5
(Gear ratio: High—7.76:1; 4th—direct; Low—7.07:1)		
Transfer case: Speeds		2
(Gear ratio: High—direct; Low—2.55:1)		

PERFORMANCE

Maximum computed gradability:	(percent)	54
Turning radius (ft):	Right—70; left—70	

Fording depth:	(in.)	40
Fuel consumption (loaded):	(mpg)	3
Cruising range (loaded):	(mi)	300
Allowable speed (mph):	Direct—35; overdrive—45	
Maximum recommended towed load:	(lb)	60,000

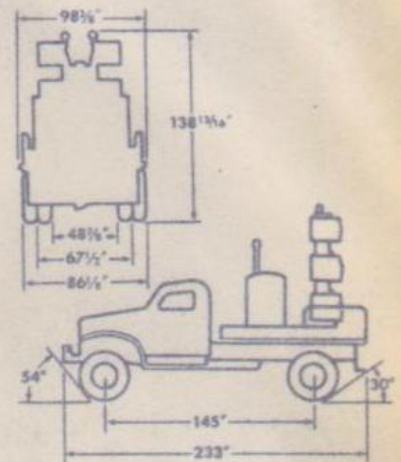
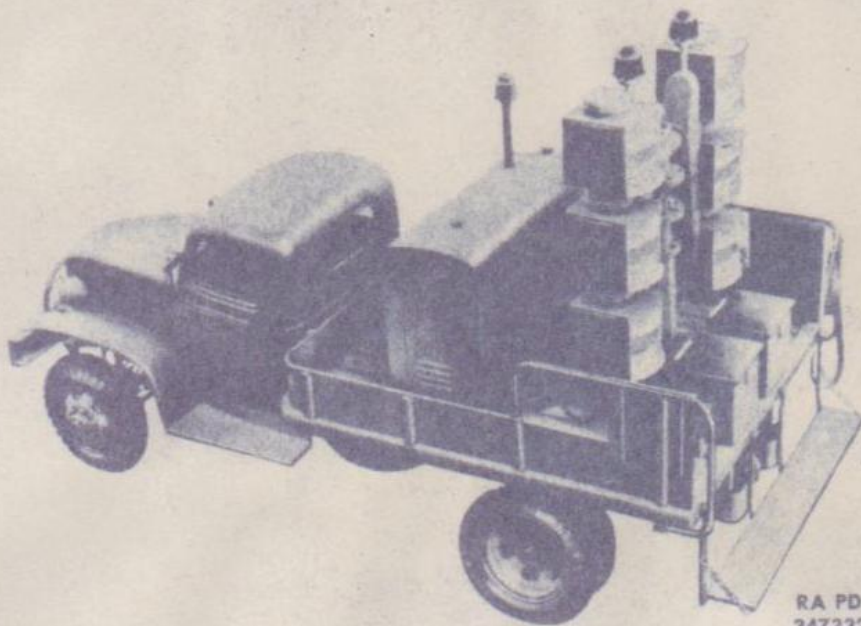
ENGINE

Manufacturer: Continental	Model 22R	
Type: Valve-in-head, 4-cycle	No. of cylinders (in line)	6
Displacement	(cu in.)	501
Bore:	(in.)	4 1/2
Stroke:	(in.)	5 1/4
Maximum governed speed:	(rpm)	2,400
Brake horsepower:	148 at (rpm)	2,400
Torque:	380 ft.-lb at (rpm)	1,200

ADDITIONAL DATA

Height with gun mount 119 1/4 inches.
M1 has closed cab, M1A1 has soft top.

TRUCK, FIELD LIGHTING, TYPE J-3



Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1826A, 9-1827B,
9-1828A, 9-1829A

Technical Order: No. 19-18-19

Parts List: SNL G-506

RA PD
347332

Manufacturers: Truck: Chevrolet; Lighting Equipment:
American Gas Accumulator Co.
Classification: Limited standard.

Purpose: Used by Army Air Forces to transport lighting
equipment for airfields.

GENERAL DATA

Crew:	2
Weight (lb): Net—7,200; Payload—3,000 (installed) Gross—10,200	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,250; rear—6,950
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions: Uncrated	(cu ft) 1,430; (sq ft) 130
Vehicle dimensions:	
Ground clearance	(in.) 9 1/2
Pintle height (loaded)	(in.) 29 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 35
Cooling system	(qt) 17 1/2
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission (main)	(qt) 2 1/2
Differential (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

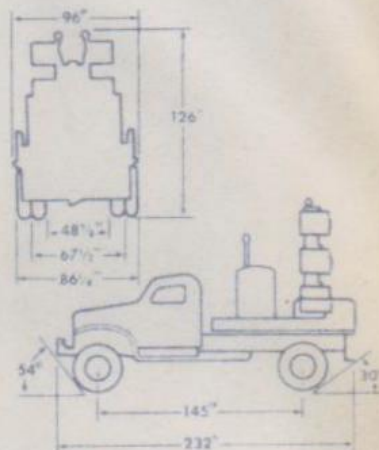
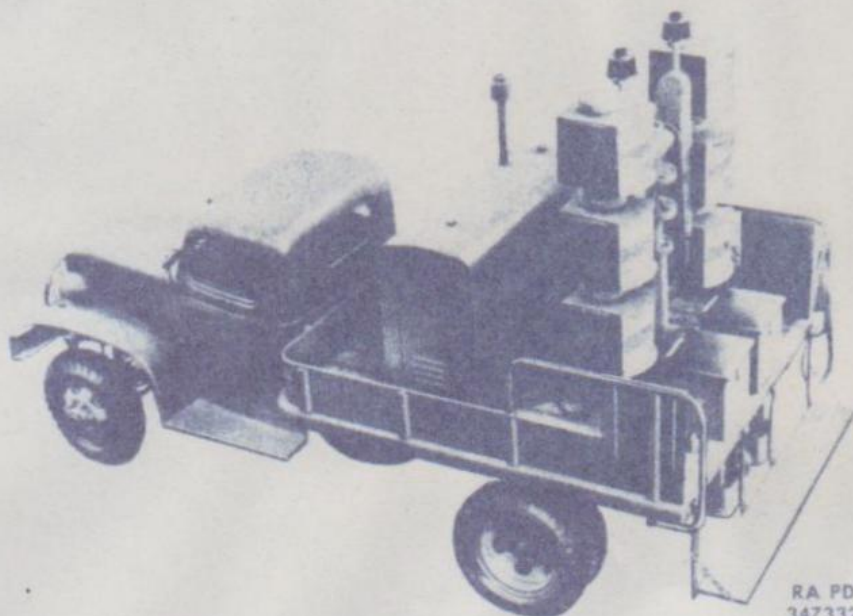
ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 3/4
Stroke:	(in.) 3 1/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Difference between J-3 and J-4 is in power plant for electrical supply.

TRUCK, FIELD LIGHTING, J-4 AND AN2505



Technical Order: 19-10-20

RA PD
347332

Manufacturers: Truck: Chevrolet; Lighting Equipment:
American Gas Accumulator Company.
Classification: J-4 Limited standard; AN2505 standard.

Purpose: Used by Army Air Forces to transport airfield
lighting equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—7,200; Payload—3,000 (installed)—Gross	10,200
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,250; rear—6,950
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions: Uncrated	(cu ft) 1,430; (sq ft) 130
Vehicle dimensions:	
Ground clearance	(in.) 9 3/4
Pintle height (loaded)	(in.) 29 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(qt) 35
Cooling system	(qt) 17 1/4
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission (main)	(qt) 2 3/4
Differential (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 29

Allowable speed (governed)	(mph) 48
Maximum recommended towed load:	(lb) 4,000

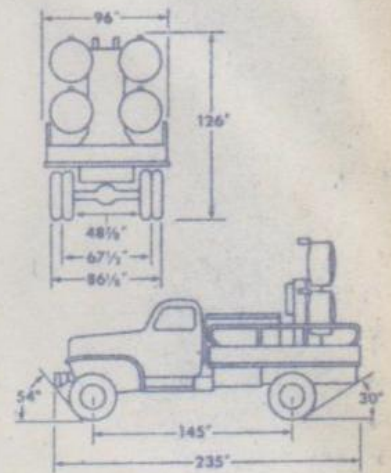
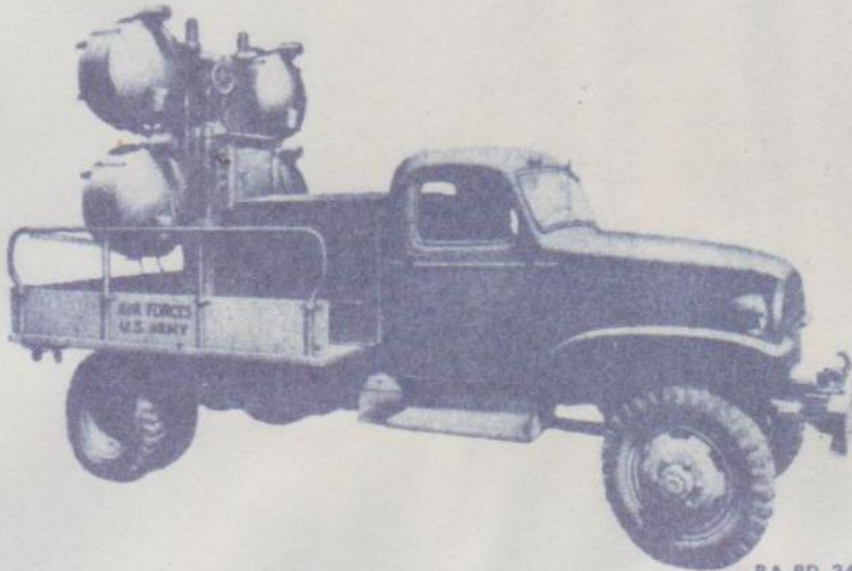
ENGINE

Manufacturer: Chevrolet	Model BV-1901 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 213 1/2
Bore:	(in.) 3 3/4
Stroke:	(in.) 3 1/2
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft lb at (rpm) 1,000

ADDITIONAL DATA

Difference between J-3 and AN2505 is in power plant for electrical supply.
Type J-4 was redesignated as AN2505 on August 5, 1943.

TRUCK, FIELD LIGHTING, TYPE J-5 AND AN2524



Technical Manuals: 9-895, 9-1765A,
9-1765B, 9-1825A, 9-1826A, 9-1827B,
9-1828A, 9-1829A

Technical Order: No. 19-18-7
Parts List: SNL G-506

RA PD 347334

Manufacturers: Truck: Chevrolet; Lighting Equipment:
Davey Compressor Company.

Classification: J-5 Limited standard; AN2524 standard.

Purpose: Used by Army Air Forces to transport lighting
equipment for airfields.

GENERAL DATA

Crew:	2
Weight (lb): Net—7,200; Payload—3,000 (installed) Gross—10,200	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,250; rear—6,950
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions: Uncrated	(cu ft) 1,430; (sq ft) 130
Vehicle dimensions:	
Ground clearance	(in.) 9 3/4
Pintle height (loaded)	(in.) 29 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 35
Cooling system	(qt) 17 1/4
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission (main)	(qt) 2 3/4
Differential (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic hydrovac
Dimensions (in.)	Front—; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 48
Maximum recommended towed load:	(lb) 4,000

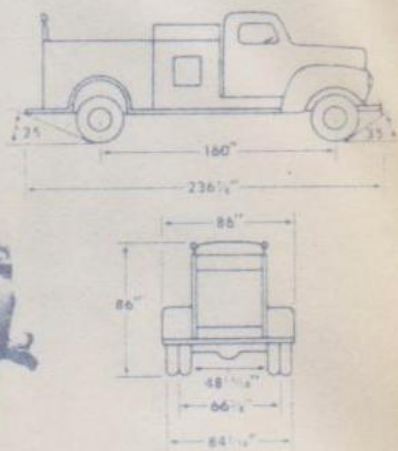
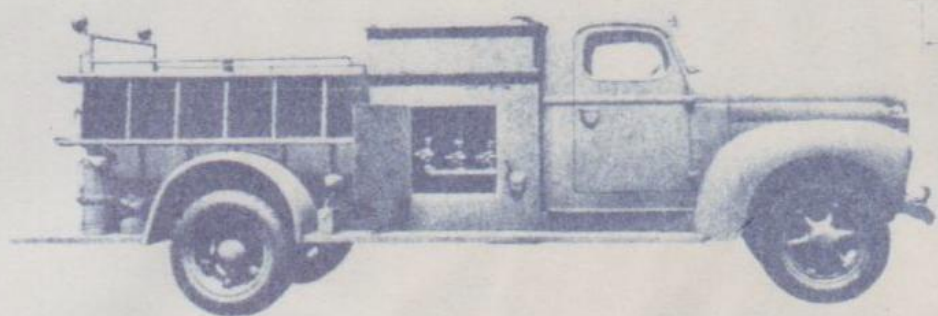
ENGINE

Manufacturer: Chevrolet	Model BV-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 1/2
Stroke:	(in.) 3 1/4
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Chassis is equipped with split propeller-shaft PTO for generator.
Type J-5 was redesignated AN2524 on 27 December 1943.

TRUCK, FIRE, POWERED, CRASH, CLASS 125, 4 x 2, HIGH PRESSURE FOG FOAM



RA PD 347315

Technical Manuals: 9-824, 9-1824,
9-1825A, 9-1826C, 9-1827B, 9-1827C,
9-1828A, 9-1829A
Parts List: SNL G-688

Manufacturers: Chassis: International Harvester Co.,
1 1/2-ton; Equipment: Mack Mfg. Co., Seagrave Corp.,
General Pacific Corporation, John Bean Mfg. Co.,
General Detroit Corp.

Make of vehicle illustrated: Chassis—International Harvester Co. 1 1/2-ton, 4 x 2; Equipment—General Pacific Corporation.

Classification: Limited standard.

Purpose: Used by Army Air Forces for combating fires resulting from airplane crashes.

GENERAL DATA

Crew:	6
Weight (lb): Net—7,666	Payload—4,000
Gross 11,666	
Rear Axles: Gear ratio:	6.6:1
Axle load (lb): Loaded	Front—3,785, rear—7,881
Tires: 6; Ply—6; Size 7.00 x 20.	Pressure (lb)—Front 65; rear—65
Shipping dimensions:	(cu ft) 1003 5; (sq ft) 140.3
Tread, center to center (in.)	Front 58 1/2
Ground clearance:	(in.) 8 1/2
Electrical system:	(volts) 0
No. of batteries	1
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 15 1/2
Crankcase	Refill (qt) 5
Transmission (main)	(qt) 5 1/2
Differential	(qt) 7
Brakes: Manufacturer—Wagner Elec. Corp.;	Type—hydraulic
Dimensions (width)	(in.) 3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.40:1)	

PERFORMANCE

Maximum computed gradability	(per cent) 65
Turning radius (ft):	Right—28; left—28
Fording depth (in.)	28 3/4
Fuel consumption (loaded):	(mpg) 8.3
Cruising range (loaded):	(mi) 150

ENGINE

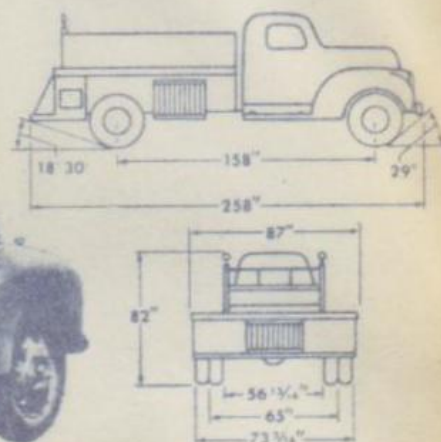
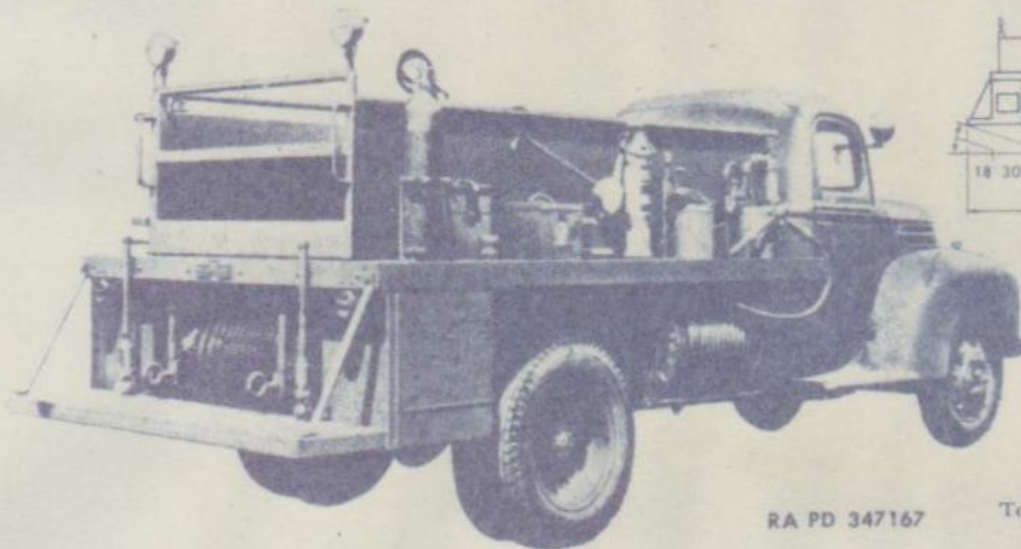
Manufacturer: International Harvester Co.	Model GRD 233
Type: L-head, 4-cycle	No. of cylinders 6
Displacement:	(cu in.) 232.65
Bore:	(in.) 3 1/8

Stroke:	(in.) 4 1/2
Maximum governed speed:	(rpm) 12,800
Brake horsepower:	93 at (rpm) 3,400
Torque:	181 ft-lb at (rpm) 800

ADDITIONAL DATA

Fire pump:
 Make—Bean; Model—Royal 55; Type—Platoon; Mounting—Midship; Gear ratio—47 to 1; Capacities—50 GPM at 800 psi; 65 GPM at 800 psi.
 Note: This class vehicle also assembled on Mack, Dodge, Ford chassis and with Hardie pump.

TRUCK, FIRE, POWERED, CRASH, CLASS 135, 4 x 2, HIGH PRESSURE FOG FOAM



RA PD 347167

Technical Manuals: 9-806, 9-1806A,
9-1806B, 9-1829A
Parts List: SNL G-540

Manufacturers: Chassis—Ford Motor Co. Equipment—
W. S. Darley Co.; Central Fire Truck Co.; General
Detroit Corp.; American La France & Foamite Corp.

Classification: Standard.

Make of vehicle illustrated: Chassis—Ford Motor Co.
1 1/2-Ton, 4x2; Equipment—American La France &
Foamite Corp.

Purpose: Used by Army Air Forces for combating fires
resulting from airplane crashes.

GENERAL DATA

Crew:	6
Weight (lb): Net—8,370	Payload—4,180
Gross—12,550	
Rear axle: Gear ratio:	6.67:1
Axle load (lb):	
Loaded:	Front—3,590; rear—8,960
Tires: 6, Ply—8, Size—7.00 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (front):	(in.) 56 1/4
Vehicle dimensions:	
Ground clearance:	(in.) 9 3/4
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel:	(gal) 19
Cooling system:	(qt) 21 1/4
Crankcase (refill):	(qt) 5
Transmission:	(qt) 2 1/4
Differential (rear):	(qt) 6
Pump:	(pt) 1/2
Brakes: Manufacturer—Ford	Type—hydraulic
Dimensions (in.):	Front—2; rear—3 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.4:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 42.23
Turning radius (ft):	Right—29.5; left—29.5
Fording depth:	(in.) 25
Fuel consumption (loaded):	(mpg) 4 1/2
Cruising range (loaded):	(mi) 85
Allowable speed:	(mph) 45
Number of speeds forward:	4

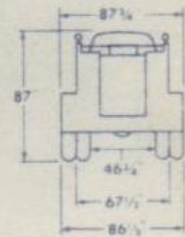
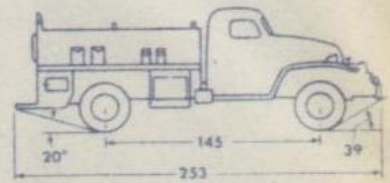
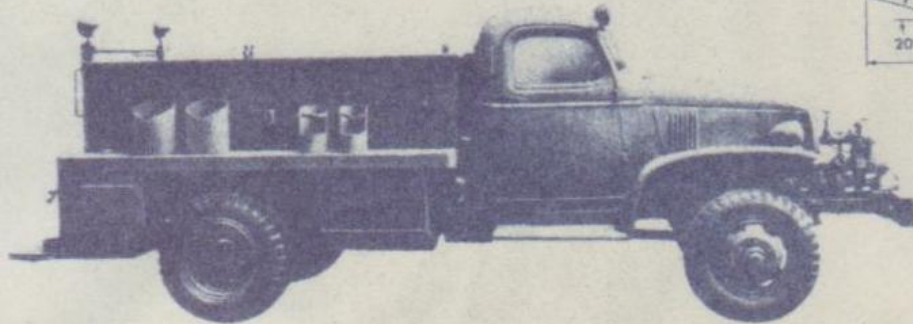
ENGINE

Manufacturer: Ford	Model 29T
Type: V—4 cycle	No. of cylinders 8
Displacement:	(cu in.) 239
Bore:	(in.) 3.1875
Stroke:	(in.) 3.75
Brake horsepower:	100 at (rpm) 3,800
Torque:	176 ft-lb at (rpm) 2,000

ADDITIONAL DATA

Fire Pump: Make—American Marsh Pump Co.	Model, GF 60
Type:	Centrifugal
Mounting:	Front
Capacities:	55 gpm at 200 psi
	60 gpm at 350 psi
Gear ratio:	1 to 3.66

TRUCK, FIRE, POWERED, CRASH, CLASS 135, 4 x 4, HIGH PRESSURE FOG FOAM



RA PD 347166

Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturers: Chassis—Chevrolet Motor Division (GMC). Equipment—Oren Fire Apparatus Co.; American La France & Foamite Corp.; Minnesota Fire Equipment Co.; W. S. Darley Corp.

Classification: Standard.

Make of vehicle illustrated: Chassis—Chevrolet, 1 1/2-ton. Equipment—Oren Fire Apparatus Co.

Purpose: Used by Army Air Forces for combating fires resulting from airplane crashes.

GENERAL DATA

Crew:	6
Weight (lb): Net—9,070	Payload—4,930 Gross—14,000
Rear axle: Gear ratio	6.67:1
Axle load (lb):	
Loaded	Front—4,630; rear—9,370
Tires: 6 Ply—8. Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (front):	(in.) 60 1/2
Shipping dimensions: Uncrated	(cu ft) 1,117.7; (sq ft) 154.1
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 2 1/4
Differentials (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9
Cruising range (loaded):	(mi) 270
Allowable speed:	(mph) 48

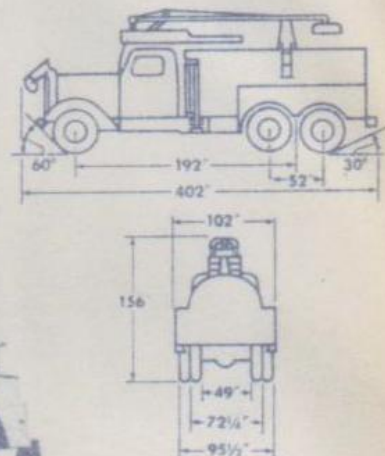
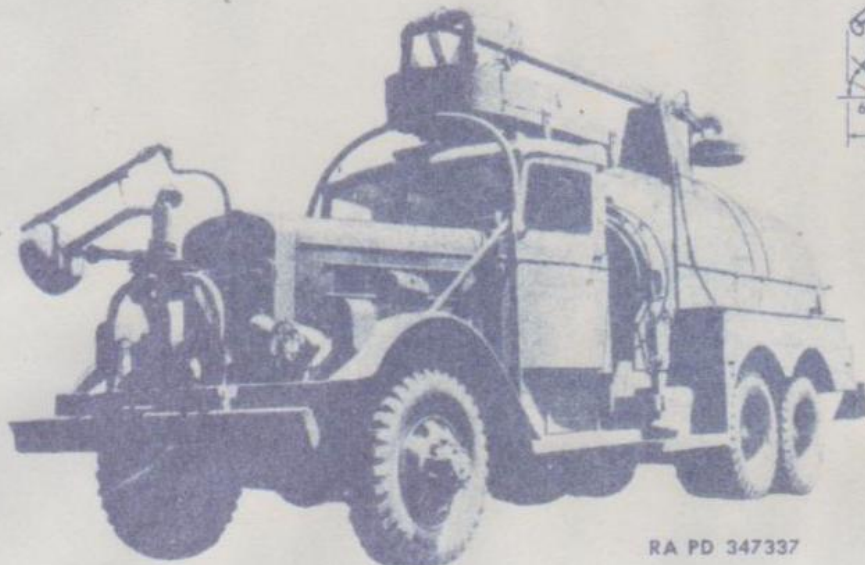
ENGINE

Manufacturer: Chevrolet	Model 1941 BV-1001 up
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 3/8
Stroke:	(in.) 3 1/8
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Fire Pump: Make—W. S. Darley Co.	Model, H Champion
Type:	Centrifugal
Mounting:	Front
Capacities:	100 gpm at 500 psi
Cooling system	(qt) 4
Gear ratio:	1 to 3.94

TRUCK, FIRE, POWERED, CLASS 150, 6 x 6, LOW PRESSURE CARBON DIOXIDE



RA PD 347337

Manufacturers: Chassis: Reo Motors Inc., 7 1/2-ton;
Equipment: Cardox Corp.

Purpose: Used by Army Air Forces for combating fires
resulting from airplane crashes.

GENERAL DATA

Crew:	6
Weight (lb): Net—36,000 Payload—10,175 Gross—46,175	
Rear axle: Gear ratio	9.16:1
Axle load (lb): Loaded Front—12,930; rear—on bogie 33,245	
Tires: 10; Ply—12; Size—11.00 x 20	
Tread, center to center (in.):	Front—72 1/4
Ground clearance:	(in.) 11
Electrical system:	(volts) 12
No. of batteries	1—12-volt or 2—6-volt
Capacities:	
Fuel	(gal) 46
Cooling system	(qt) 60
Crankcase (refill)	(qt) 14
Transfer case	(qt) 3
Transmission (main)	(qt) 16
Differential (qt)	(each) 7
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—6
Transmission: Speeds	5
(Gear ratio: High—0.69:1; Low—5.24:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.00:1; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 55
Turning radius (ft):	Right—38; left—38
Fording depth:	(in.) 26
Fuel consumption (loaded):	(mpg) 3
Cruising range (loaded):	(mi) 130
Allowable speed:	(mph) 35

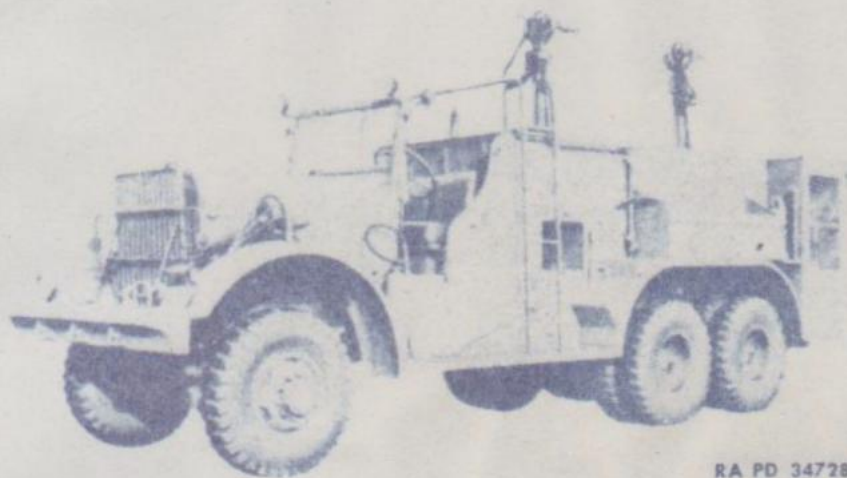
ENGINE

Manufacturer: Waukesha	Model 6WAL
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 1,013
Bore:	(in.) 3 1/4
Stroke:	(in.) 6 1/2
Maximum governed speed:	(rpm) 2,000
Brake horsepower:	200 at (rpm) 2,000
Torque:	735 ft-lb at (rpm) 700

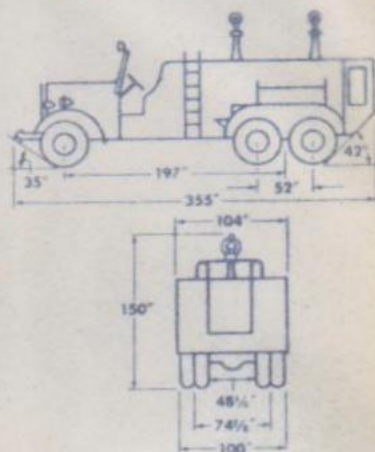
ADDITIONAL DATA

This unit also constructed on standard AAF 7 1/2-ton, 6 x 6, Reo Model 27 XFS, chassis.

TRUCK, FIRE, POWERED, CRASH, CLASS 155, 6 x 6, HIGH PRESSURE FOG FOAM



RA PD 347288



Technical Manuals: 9-813, 9-1813,
9-1825A, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-547

Manufacturers: Chassis—Brockway, 6-ton, 6 x 6.
Equipment—Mack Mfg. Corp.; American La France
& Foamite Corp.

Make of vehicle illustrated: Brockway, with Mack Mfg.
Corp. equipment.

Purpose: Used by Army Air Forces for combating fires
resulting from airplane crashes.

GENERAL DATA

Crew:	6
Weight (lb): Net—31,200 Payload—10,500 Gross—41,700	
Rear axles: Gear ratio	7.33:1
Axle load (lb): Loaded	Front—9,350; rear—32,350
Tires: 10; Ply—14, Size—12.00 x 20, Pressure (lb)—Front—80; rear—80	
Tread, center to center (in.):	Front—73 1/2
Shipping dimensions: Uncrated	(cu ft) 3,204.7; (sq ft) 256.5
Vehicle dimensions:	
Ground clearance	(in.) 11
Pintle height (loaded)	(in.) 35
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Air compressor	(qt) 1 1/2
Fuel (71 octane gasoline)	(gal) 80
Cooling system	(qt) 58
Crankcase (refill)	(qt) 16
Transfer case	(qt) 6 1/4
Transmission (main)	(qt) 10
Differentials (qt)	Front—10; rear—12
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5 1/2
Transmission: Speeds	4
(Gear ratio: High—direct: Low—6.54:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct: Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 96
Turning radius (ft):	Right—49; left—48
Fording depth:	(in.) 45 1/2
Fuel consumption (loaded):	(mpg) 2.6

Cruising range (loaded):	(mi) 208
Allowable speed:	(mph) 37

ENGINE

Manufacturer: Hercules	Model: HXD
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Net horsepower:	202 at (rpm) 2,150
Torque:	642 ft-lb at (rpm) 900

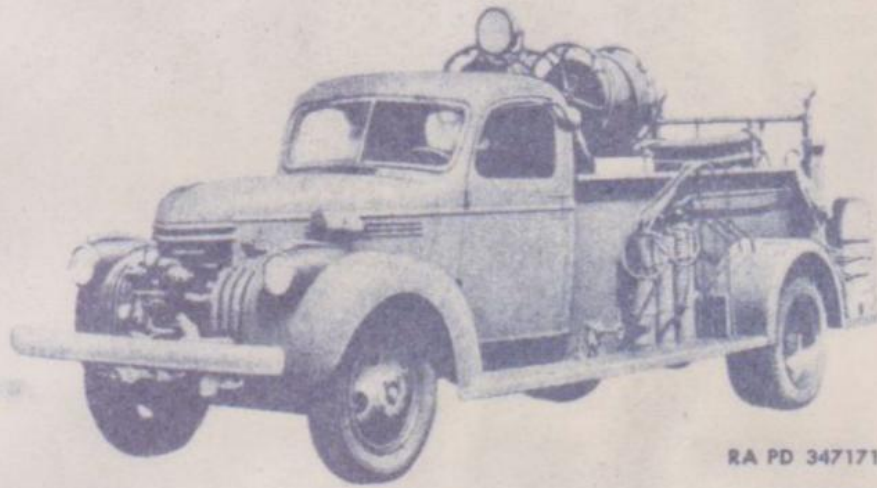
ADDITIONAL DATA

Pumping Unit:	
Engine: Manufacturer	Continental
Model	R-602
Type	4-cycle
No. of cylinders	(in line) 6
Displacement	(cu in.) 602
Bore	(in.) 4 1/2
Stroke	(in.) 5 1/2
Brake horsepower	225 at (rpm) 3,100
Torque	400 ft-lb at (rpm) 900

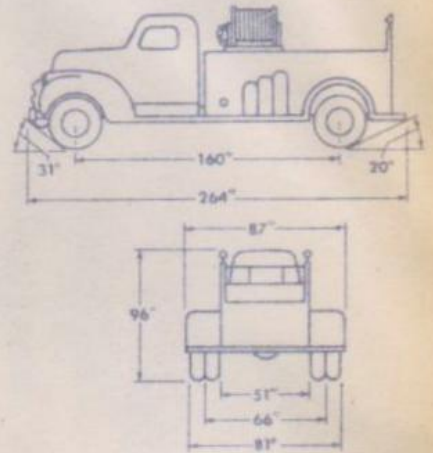
Fire Pump:	
Manufacturer: Hale	Model: ZEY
Type:	Centrifugal
Capacity:	325 gpm at 500 psi
Gear reduction:	1.87 to 1

Note: This unit also constructed using American LaFrance 12 cyl. motor and 4-stage pump. The M-1 wrecker chassis was used on first 100 vehicles.

TRUCK, FIRE, POWERED, BRUSH, CLASS 300, 4 x 2



RA PD 347171



Technical Manuals: 10-1305,
10-1525
Parts List: SNL G-617

Manufacturers: Chassis—Chevrolet Motor Division (GMC). Equipment—W. S. Darley; Central Fire Truck Co.; American Fire Apparatus Co.
Classification: Nonstandard.

Make of vehicle illustrated: Chassis—Chevrolet, 1½-ton. Equipment—W. S. Darley Corp.
Purpose: Used by Corps of Engineers for combating fire in brush and wooded areas.

GENERAL DATA

Crew:	6
Weight (lb): Net—6,960 Payload—4,120 Gross—11,080	
Rear axle: Gear ratio	6.17:1
Axle load (lb):	
Loaded	Front—3,940; rear—7,140
Tires: 6; Ply—8; Size—6.50 x 20; Pressure (lb)—Front—50; rear—65	
Tread, center to center (front):	(in.) 57½
Shipping dimensions: Uncrated	(cu ft) 1,276; (sq ft) 159.5
Vehicle dimensions:	
Ground clearance	(in.) 9
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 18
Cooling system	(qt) 14
Crankcase (refill)	(qt) 7
Transmission	(qt) 2½
Differential (rear)	(qt) 11
Brakes: Manufacturer—Chevrolet Type—hydraulic-hydrovac	
Dimensions (rear)	(in.) 1½
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 40
Turning radius (ft):	Right—28; left—30
Fording depth:	(in.) 22
Fuel consumption (loaded):	(mpg) 8.3
Cruising range (loaded):	(mi) 150
Allowable speed:	(mph) 48

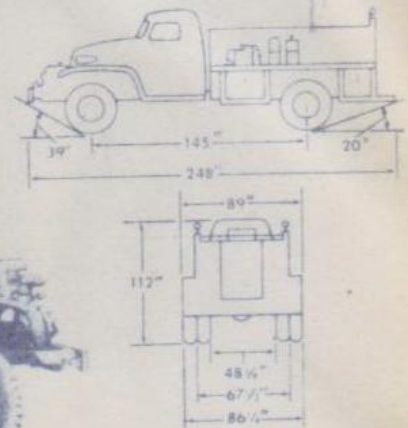
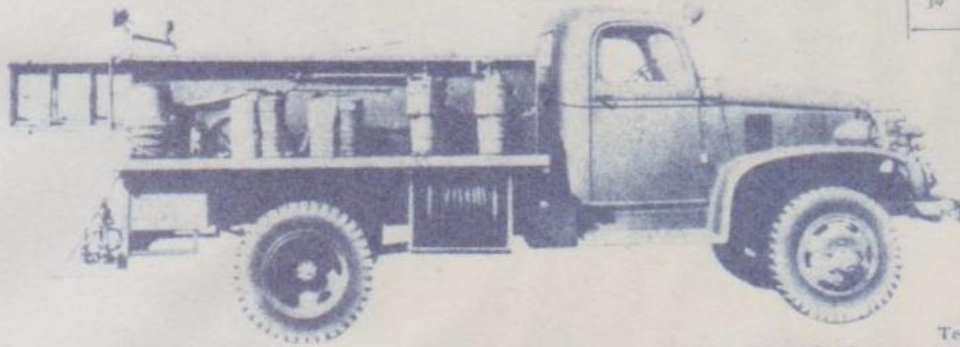
ENGINE

Manufacturer: Chevrolet	Model BF-1001 up
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 216.5
Bore:	(in.) 3½
Stroke:	(in.) 3¾
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	81.5 at (rpm) 3,100
Torque:	168 ft-lb at (rpm) 1,100

ADDITIONAL DATA

Fire Pump: Make—W. S. Darley	Model F-300
Type:	Centrifugal
Mounting:	Front
Gear reduction:	Direct
Capacities:	300 gpm at 120 psi
	150 gpm at 200 psi
Cooling system	(qt) 4

TRUCK, FIRE, POWERED, BRUSH, CLASS 300, 4 x 4



RA PD 347165

Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturers: Chassis—Chevrolet Motor Division
(GMC). Equipment—Central Fire Truck Co.
Classification: Nonstandard.

Make of vehicle illustrated: Chevrolet, 1 1/2-ton.
Purpose: Used by Corps of Engineers for combating fires
in brush and wooded areas.

GENERAL DATA

Crew:	6
Weight (lb): Net—8,655	Payload—4,577
Gross—13,232	
Rear axle: Gear ratio	6.67:1
Axle load (lb):	
Loaded	Front—4,644; rear—8,588
Tires: 6; Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (front)	(in.) 60 1/2
Shipping dimensions: Uncrated	(cu ft) 1,430.5; (sq ft) 153.2
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 23 1/2
Differentials (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9
Cruising range (loaded):	(mi) 270

Allowable speed: (mph) 48

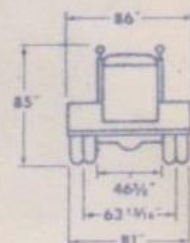
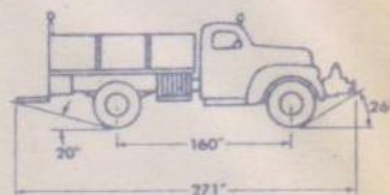
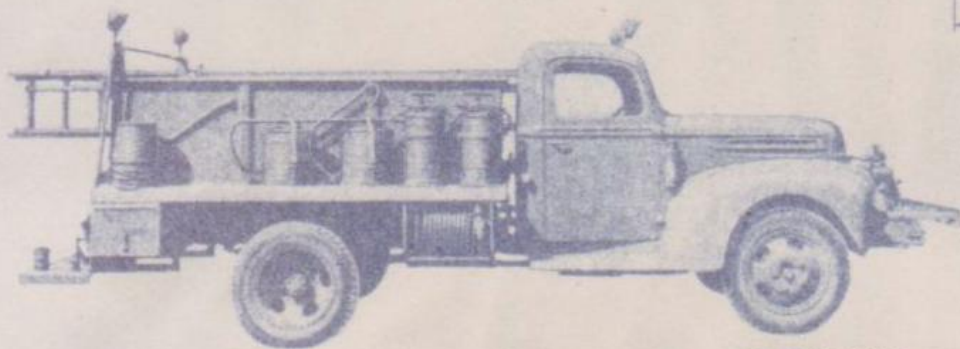
ENGINE

Manufacturer: Chevrolet	Model 1941 BV-1001 up
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 1/8
Stroke:	(in.) 3 1/8
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft.-lb at (rpm) 1,000

ADDITIONAL DATA

Fire Pump: Make—W. S. Darley	Model F-300
Type:	Centrifugal
Mounting:	Front
Gear reduction:	Direct
Capacities:	300 gpm at 120 psi at 2,308 rpm
	150 gpm at 200 psi at 2,909 rpm

TRUCK, FIRE, POWERED, PUMPER, CLASS 325, 4 x 2, 300 GPM



RA PD 347303

Parts List: SNL G-613

Manufacturers: Chassis: Chrysler Corp., Dodge Division;
Equipment: W. S. Darley Corp., Approved Fire Equip-
ment Co., Boyer Fire Apparatus Co., Maxim Motors,
Hahn Motor Truck Co., American Fire Apparatus Co.
Classification: Limited standard.

Make of vehicle illustrated: Chassis: Dodge, 1 1/2-ton,
4 x 2. Equipment: W. S. Darley Corp.

Purpose: Used by Corps of Engineers to combat structural
fires and overseas use.

GENERAL DATA

Crew	6
Weight (lb): Net—7,670 Payload—4,250 Gross—11,920	
Rear axle: Gear ratio	5.625:1
Axle load (lb): Loaded	Front—3,790; rear—8,130
Tires: 6; Ply—6; Size—7 00 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—59 1/2
Shipping dimensions: Uncrated	(cu ft) 1,146.4; (sq ft) 161.8
Vehicle dimensions	
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 18
Cooling system	(qt) 21 1/2
Crankcase (refill)	(qt) 7
Transmission (main)	(qt) 3
Differential	(qt) 5 1/2
Brakes: Manufacturer—Dodge	Type—hydraulic
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.40:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—44; left—48
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9
Cruising range (loaded):	(mi) 160
Allowable speed:	(mph) 47

ENGINE

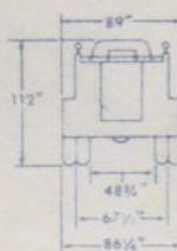
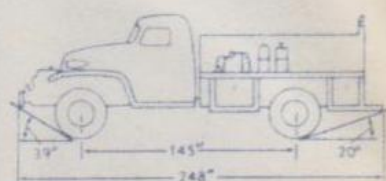
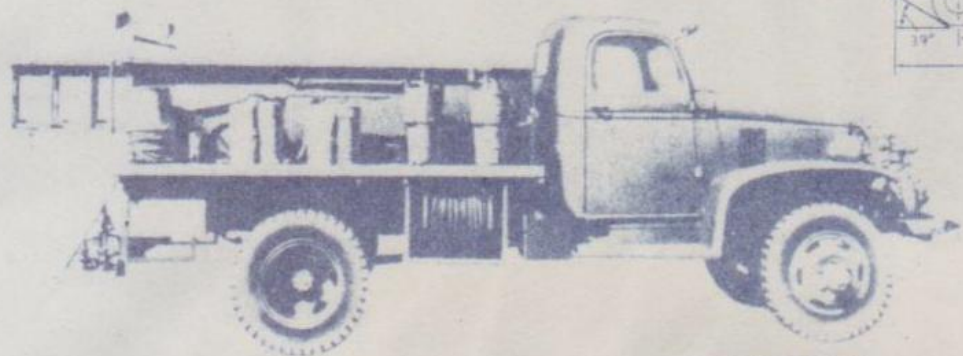
Manufacturer: Dodge	Model T-118
Type: 4-cycle	No. of cylinders (in line) 6

Displacement:	(cu in.) 236.6
Bore:	(in.) 3 1/4
Stroke:	(in.) 4 1/4
Brake horsepower:	115 at (rpm) 3,800
Torque:	190 ft-lb at (rpm) 1,800

ADDITIONAL DATA

Fire Pump:	
Make: American Marsh. Model: Barton F-300	
Type: Centrifugal mounting front	
Capacities: 300 GPM at 120 psi.	
150 GPM at 200 psi.	
Gear Reduction: Direct	
Note: This class vehicle also available on Ford and Chevrolet chassis.	

TRUCK, FIRE, POWERED, PUMPER, CLASS 325, 4 x 4, 300 GPM



RA PD 347169

Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturers: Chassis—Chevrolet Motor Division
(GMC). Equipment—W. S. Darley; Maxim Motors;
General Detroit Corp.
Classification: Limited standard.

Make of vehicle illustrated: Chassis—Chevrolet, 1 1/2
Ton, 4x4; Equipment—Maxim Motors Corp.
Purpose: Used by Corps of Engineers for combating struc-
tural fires and for overseas use.

GENERAL DATA

Crew:	6	
Weight (lb): Net—9,570	Payload—5,365	Gross—14,935
Rear axle: Gear ratio	6.67:1	
Axle load (lb):		
Loaded:	Front—4,645; rear—10,290	
Tires: 6, Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55, rear—55		
Tread, center to center (front):	(in.) 60 1/2	
Shipping dimensions: Uncrated	(cu ft) 1,430.5, (sq ft) 153.2	
Vehicle dimensions:		
Ground clearance:	(in.) 10	
Electrical system:	(volts) 6	
No. of batteries:	1	
Capacities:		
Fuel (70 octane gasoline):	(gal) 30	
Cooling system:	(qt) 17	
Crankcase (refill):	(qt) 5	
Transfer case:	(qt) 2	
Transmission:	(qt) 2 3/4	
Differential (qt):	Front—7, rear—7	
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac	
Dimensions (in.):	Front—2, rear—3	
Transmission: Speeds:	4	
(Gear ratio: High—direct, Low—7.06:1)		
Transfer case: Speeds:	2	
(Gear ratio: High—direct, Low—1.94:1)		

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9
Cruising range (loaded):	(mi) 270
Allowable speed:	(mph) 48

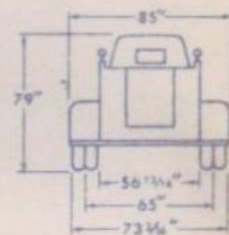
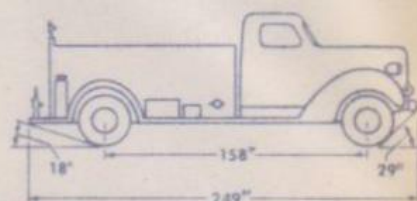
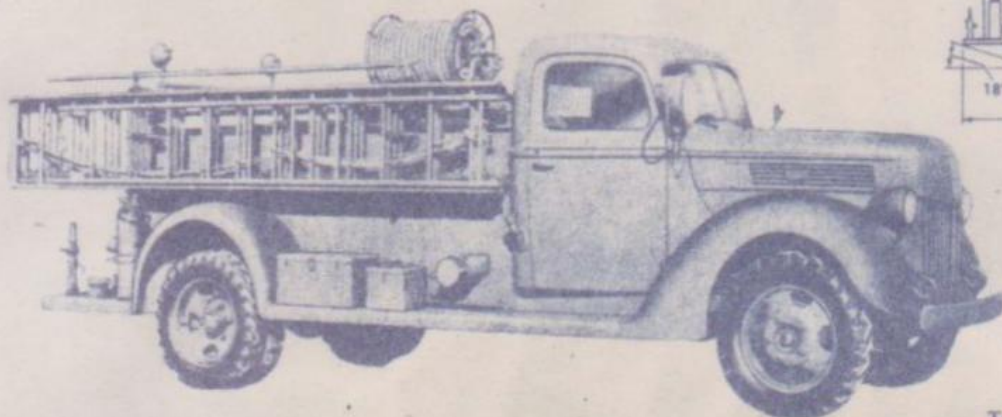
ENGINE

Manufacturer: Chevrolet	Model 1941 BV 1001 up
Type: 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 3/8
Stroke:	(in.) 3 3/8
Maximum governed speed:	(rpm) 13,000
Brake horsepower:	83 at (rpm) 1,000
Torque:	184 ft.-lb. at (rpm) 1,000

ADDITIONAL DATA

Fire Pump: Make—American Marsh	Model—Barton F 300
Type:	Centrifugal
Mounting:	Front
Capacities:	300 gpm at 120 psi 150 gpm at 200 psi
Cooling system:	(qt) 14
Gear reduction:	Direct
This unit also assembled with W. S. Darley pump.	

TRUCK, FIRE, POWERED, PUMPER, CLASS 500, 4 x 2, 500 GPM



RA PD 347168

Technical Manuals: 9-806, 9-1806A,
9-1806B, 9-1829A

Parts List: SNL G-540

Manufacturers: Chassis—Ford Motor Co. Equipment—American La France and Foamite Corp.; Seagrave Corp.; Peter Pirsch Co.; Maxim Motors; Buffalo Fire Appliance Co.; Oren Fire Apparatus Co.; Ward La France Corp.; General Fire Truck Co.; Howe Fire Apparatus Co.; Boyer Fire Apparatus Co.; Mack Mfg. Co.; Minnesota Fire Equipment Co.; and American Fire Apparatus Co.

Classification: Nonstandard.

Make of vehicle illustrated: Chassis—Ford Motor Co., 1 1/2-ton. Equipment—American La France and Foamite Corp.

Purpose: Used by Corps of Engineers for combating structural fires at posts, camps, and stations.

GENERAL DATA

Crew:	6
Weight (lb): Net—7,780	Payload—4,000
Gross—11,780	
Rear axle: Gear ratio	6.67:1
Axle load (lb):	
Loaded	Front—3,430; rear—8,350
Tires: 6, Ply—6, Size—7.00 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (front):	(in.) 58 1/4
Vehicle dimensions:	
Ground clearance	(in.) 8 1/2
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel	(gal) 19
Cooling system	(qt) 23
Crankcase (refill)	(qt) 5
Transmission (main)	(qt) 2 1/4
Differential (rear)	(qt) 7
Brakes: Manufacturer—Ford	Type—hydraulic
Dimensions (in.)	Front—2; rear—3 1/2
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.4:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 42.23
Turning radius (ft):	Right—29.5; left—29.5
Fording depth:	(in.) 25
Fuel consumption (loaded):	(mpg) 12
Cruising range (loaded):	(mi) 325
Allowable speed:	(mph) 45

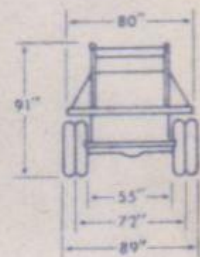
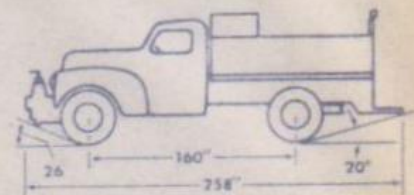
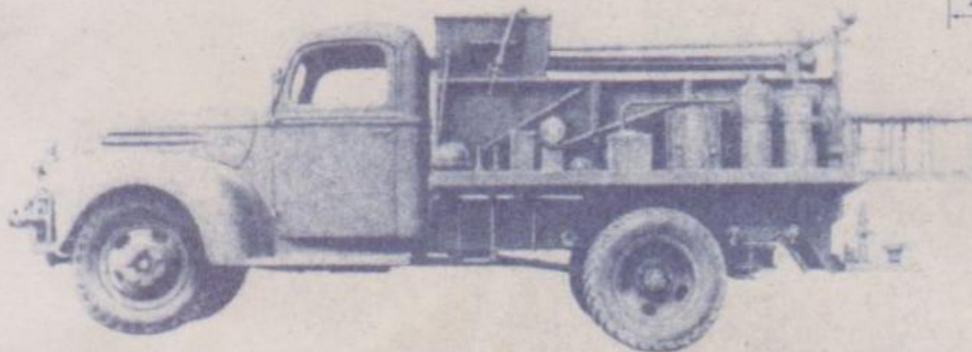
ENGINE

Manufacturer: Ford	Model 29T
Type: V, 4-cycle	No. of cylinders 8
Displacement:	(cu in.) 239
Bore:	(in.) 3.1875
Stroke:	(in.) 3.75
Brake horsepower:	100 at (rpm) 3,800
Torque:	176 ft-lb at (rpm) 2,000

ADDITIONAL DATA

Fire Pump: Make—Hale	Model GSS
Mounting: Midship	Type—centrifugal
(Gear ratio: 1.64:1)	
Capacities:	500 gpm at 120 psi
	250 gpm at 200 psi
	167 gpm at 350 psi
Cooling system:	(qt) 6

TRUCK, FIRE, POWERED, PUMPER, CLASS 525, 4 x 2, 500 GPM



RA PD 347304

Parts List: SNL G-613

Manufacturers: Chassis: Chrysler Corp., Dodge Division;
Equipment: Boyer Fire Apparatus Co., Oren Fire
Apparatus Co., Hahn Motor Truck Co., W.S. Darley Corp.
Classification: Nonstandard.

Make of vehicle illustrated: Chassis—Dodge 1½-Ton,
4x2; Equipment—Hahn Motor Truck Co.

Purpose: Used by Corps of Engineers for combating
structural fires at posts, camps and stations.

GENERAL DATA

Crew:	6
Weight (lb): Net—7,180 Payload—3,790 Gross—10,970	
Rear axle: Gear ratio	6.65:1
Axle load (lb): Loaded	Front—3,500; rear—7,470
Tires 6: Ply—8; Size—7.00 x 20; Pressure (lb)—Front—60; rear—60	
Tread, center to center (in.):	Front—59
Shipping dimensions: Uncrated	(cu ft) 1,086.9; (sq ft) 143.3
Ground clearance:	(in.) 7½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 18
Cooling system	(qt) 19.5
Crankcase (refill)	(qt) 5
Transmission (main)	(qt) 3
Differential	(qt) 5½
Brakes: Manufacturer—Dodge	Type—hydraulic
Transmission: Speeds	4
(Gear ratio: High—direct; Low—6.40:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—44; left—48
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9
Cruising range (loaded):	(mi) 160
Allowable speed:	(mph) 47

ENGINE

Manufacturer: Dodge	Model T-118
Type: 4-cycle	No. of cylinders (in line) 6

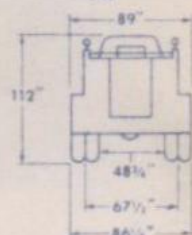
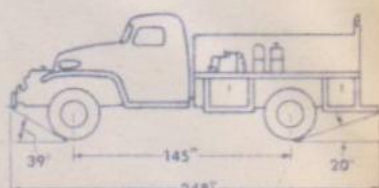
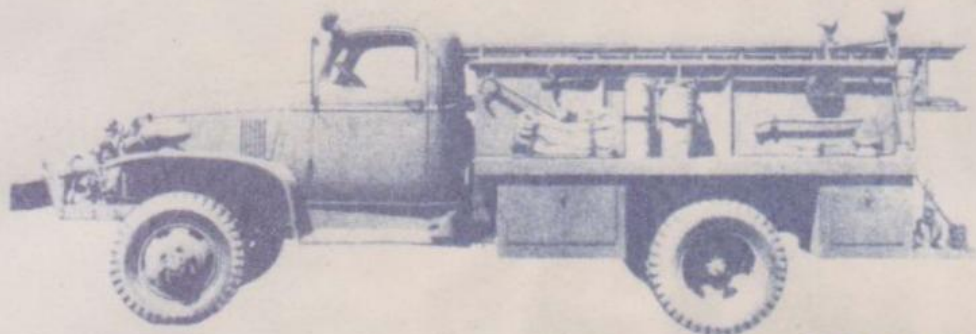
Displacement:	(cu in.) 236.6
Bore:	(in.) 3⅞
Stroke:	(in.) 4¼
Brake horsepower:	115 at (rpm) 3,800
Torque:	190 ft-lb at (rpm) 1,800

ADDITIONAL DATA

Fire pump:	
Make—American Marsh, Model—Barton F-500	
Type—Centrifugal; Gear ratio—direct; Mounting—front	
Capacities: 500 GPM at 120 psi	
250 GPM at 200 psi	
167 GPM at 250 psi	

Note: This unit also assembled on Chevrolet and Ford chassis using
W. S. Darley pump.

TRUCK, FIRE, POWERED, PUMPER, CLASS 525, 4 x 4, 500 GPM



RA PD 347170

Technical Manuals: 9-805, 9-1765A,
9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturers: Chassis—Chevrolet Motor Division
(GMC). Equipment—Oren Fire Apparatus Co.
Make of vehicle illustrated: Chevrolet, 1½-ton.

Classification: Nonstandard.
Purpose: Used by Corps of Engineers for combating fire in
cantonment areas.

GENERAL DATA

Crew:	6
Weight (lb): Net—9,570	Payload—5,365
	Gross—14,935
Rear axle: Gear ratio:	6.67:1
Axle load (lb):	
Loaded	Front—4,645; rear—10,290
Tires: 6; Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (front):	(in.) 60½
Shipping dimensions: Uncrated:	(cu ft) 1,430.5; (sq ft) 153.2
Vehicle dimensions:	
Ground clearance:	(in.) 10
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 30
Cooling system:	(qt) 17
Crankcase (refill):	(qt) 5
Transfer case:	(qt) 2
Transmission:	(qt) 2¾
Differentials (qt):	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.):	Front—2; rear—3
Transmission: Speeds:	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds:	2
(Gear ratio: High—direct; Low—1.94:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 65
Turning radius (ft):	Right—29½; left—29½
Fording depth:	(in.) 32
Fuel consumption (loaded):	(mpg) 9

Cruising range (loaded):	(mi) 170
Allowable speed:	(mph) 48

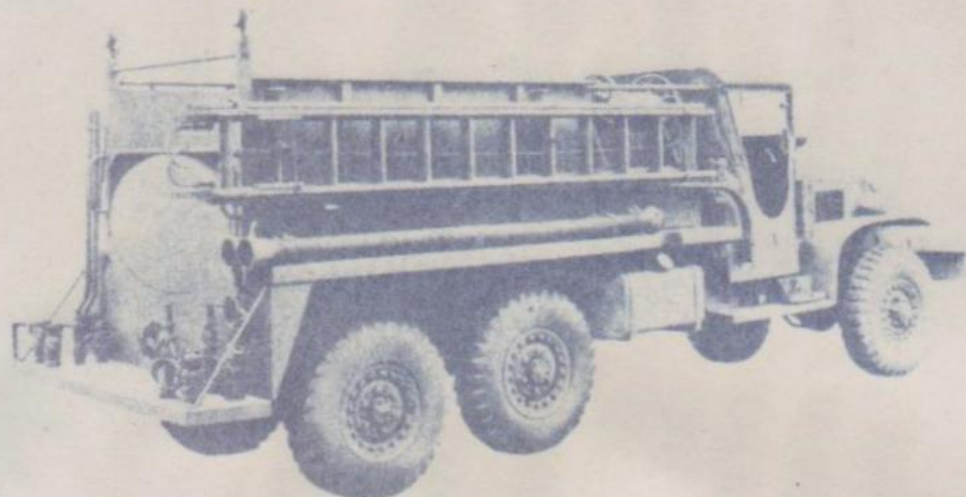
ENGINE

Manufacturer: Chevrolet	Model 1941 BV-1001 up
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3¾
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	83 at (rpm) 3,000
Torque:	184 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Fire Pump: Make—W. S. Darley	Model F-500
Type:	Centrifugal
Mounting:	Front
Gear ratio:	Direct
Capacities:	500 gpm at 120 psi
	150 gpm at 200 psi
Cooling system:	(qt) 14

TRUCK, FIRE, POWERED, PUMPER, CLASS 530, 6 x 6, 500 GPM, OVERSEAS TYPE



Manufacturers: General Motors Truck and Coach Division (GMC); Equipment: General Detroit Co.

Classification: Standard.

Purpose: Used by Corps of Engineers in combating fires, involving ordinary combustible materials as well as gasoline and oil, in overseas areas.

GENERAL DATA

Crew	6
Weight	(lb) 20,000
Rear Axle: Gear ratio	6.6:1
Tires: 6; Ply—8; Size—7.50 x 20:	
Pressure (lb)	Front—55; rear—55
Tread, center to center (in.)	Front—62½
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system	(volts) 6
No. of batteries	1
Capacities:	
Fuel (71 octane gasoline)	(gal) 40
Cooling system	(qt) 19
Crankcase (refill)	(qt) 7½
Transfer case	(qt) 3
Transmission	(qt) 4½
Differential (qt)	Front—3
Bogie (qt)	Front—3; rear—2½
Brakes: Manufacturer—GMC-Bendix	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2½; rear—3
Transmission: Speeds	5
(Gear ratio: High—0.799 over; 4th—direct; low—6.06:1)	
Transfer Case: Speeds	2
(Gear ratio: High—1.16:1; low—2.63:1)	

PERFORMANCE

Maximum computed gradability	(percent) 81
Turning radius (ft)	Right—35; left—35
Fording depth	(in.) 30

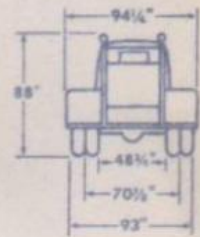
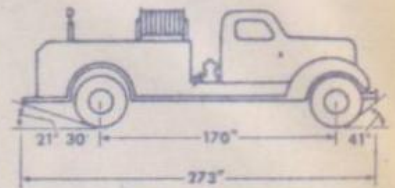
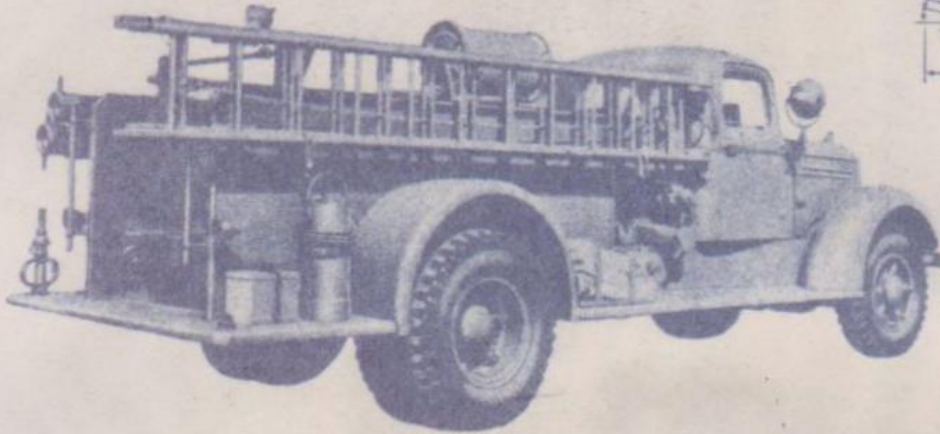
Fuel consumption (loaded)	(mpg) 7½
Cruising range (loaded)	(mi) 190
Allowable speed	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 4,000

ENGINE

Manufacturer: GMC	Model: 270
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement	(cu in.) 269.5
Bore	(in.) 3½
Stroke	(in.) 4
Maximum governed speed	(rpm) 2,750
Brake horsepower	91.5 at (rpm) 2,750
Torque	216 ft-lb at (rpm) 1,400

ADDITIONAL DATA

TRUCK, FIRE, POWERED, PUMPER, CLASS 750, 4 x 2, 750 GPM



RA PD 347335

Manufacturers: Chassis: Mack Mfg. Corp., 2½ ton.
Equipment: Seagrave Corp.; Maxim Motors; Buffalo
Fire Appliance Co.; Peter Pirsch Co.; American-La
France-Foamite Corp.

Make of vehicle illustrated: Mack Mfg. Corp.

Purpose: Used by Corps of Engineers for combating
structural fires in posts, camps and stations.

Classification: Nonstandard.

GENERAL DATA

Crew:	6
Weight (lb): Net—12,020	Payload—4,230
Rear axle: Gear ratio	6.86:1
Axle load (lb): Loaded	Front—5,550; rear—10,700
Tires: Ply—6; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65	Tread, center to center (in.) Front—67½
Shipping dimensions: Uncrated	(cu ft) 1,306.8; (sq ft) 178.1
Vehicle dimensions:	
Ground clearance	(in.) 10
Electrical system:	(volts) 12
No. of batteries	2
Capacities:	
Fuel	(gal) 20.5
Cooling system	(qt) 50
Crankcase (refill)	(qt) 16
Transmission (main)	(qt) 10½
Differential	(qt) 30
Brakes: Manufacturer—Mack	Type—Semi-hydraulic
Transmission: Speeds	5
(Gear ratio: High—direct; Low—8.05:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 45
Turning radius (ft):	Right—30.4; left—32.1
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 5
Cruising range (loaded):	(mi) 100

ENGINE

Manufacturer: Mack	Model—EN510
Type: 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 510.56

Bore:	(in.) 4 7/8
Stroke:	(in.) 5 1/2
Brake horsepower:	155 at (rpm) 2,600
Torque:	400 ft-lb at (rpm) 1,200

ADDITIONAL DATA

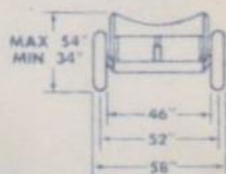
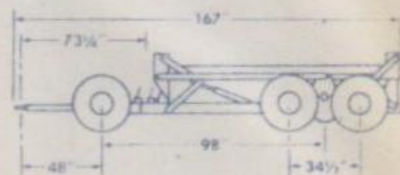
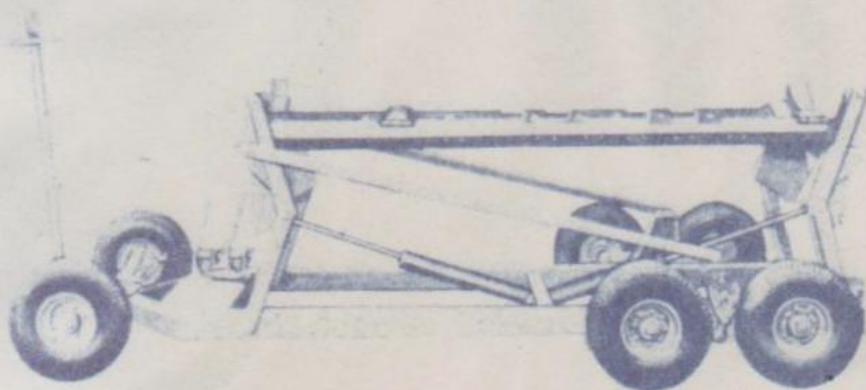
This vehicle uses a 2½ chassis and a 5-ton engine.

Fire pump:

Make—Hale; Model—ZD.
Type—Centrifugal
Mounting—Midship
Capacities: 750 GPM at 120 psi.
375 GPM at 200 psi.
250 GPM at 250 psi.

Note: This 6 quart unit also assembled on special chassis manufactured by companies listed, with own and Watrous pumps.

TRUCK, LIFT, M22



RA PD 347346

Technical Manual: 9-762
Parts List: SNI G-161

Manufacturer: Weaver Mfg. Co.

Purpose: Used by Army Air Forces to transport bombs from truck or dump to plane, and raise them to bays.

Classification: Standard.

Body type:	.....	Lift—hydraulic
Weight (lb): Net—1,400	.....	Payload—4,000
	.....	Gross—5,400
Ground clearance:	.....	(in.) 4 1/2

Tires: Ply—8, Size—18" x 5.50
Maximum cool pressure (lb)

Operating—6

Front—45; rear—45

Brakes:

Parking—mechanical

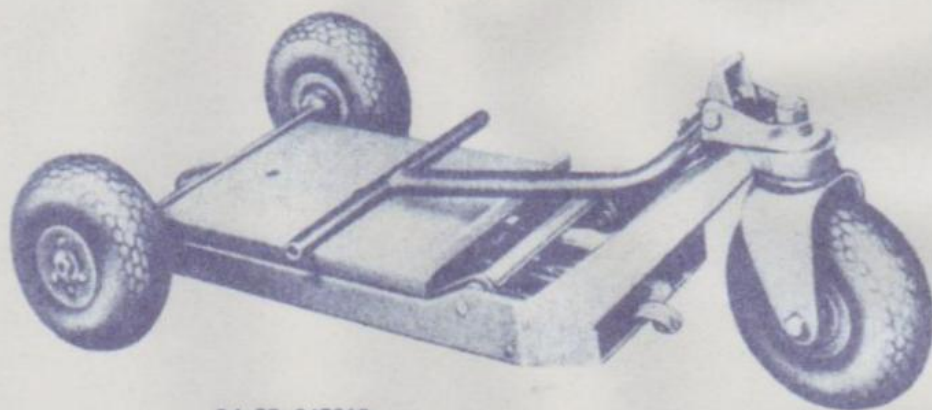
Towing vehicles to be used: Manpower, or truck 1 1/2-ton, 4 x 2, or greater capacity.

Pintle height (rear): (in.) 5 1/2

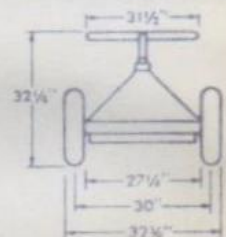
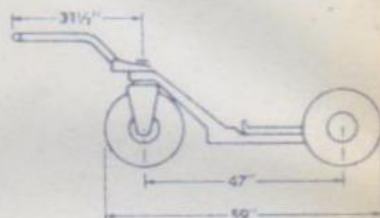
ADDITIONAL DATA

Hydraulic lift; capacity—14 qts

TRUCK, BOMB LIFT, M1



RA PD 347369



Parts List (SNI) G-189

Manufacturer: Weaver Mfg. Co.

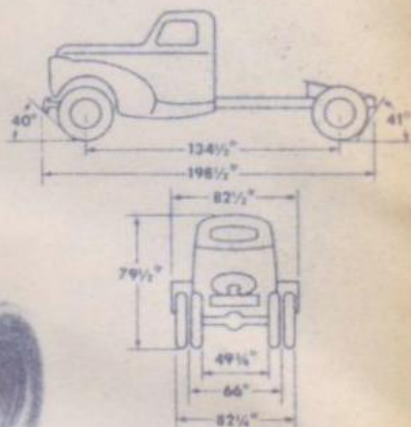
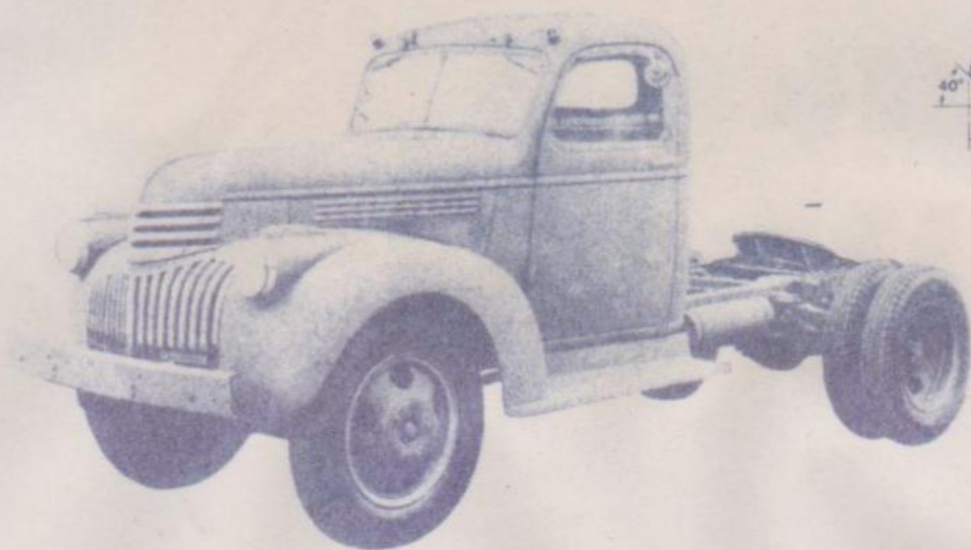
Purpose: Used by Army Air Forces to transport bombs from truck or dump to plane.

Classification: Standard

Body type:	.....	Platform hydraulic lift
Weight: Payload	.....	(lb) 2,000
Loading height:	.....	(in.) 6 1/2
Tires: Ply—4	.....	Size—13 x 3.00
Operating	.....	3
Maximum cool pressure (lb):	.....	Front—35; rear—35
Ground clearance:	.....	(in.) 2 1/2
Towing vehicles to be used:	.....	Man power

Section XXI. Truck Tractors

TRUCK, 1½-TON, 4 x 2, TRACTOR



Technical Manuals: 10-1385,
 10-1321, 10-1411,
 10-1493
 Parts List: SNL G-617

RA PD 347014

Manufacturer: Chevrolet Motor Division (GMC).
 Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew:	2
Weight (lb): Net—4,165	Payload—4,670 Gross—8,835
Rear axle: Gear ratio:	6.67:1
Axle load (lb): Loaded	Front—2,475; rear—6,360
Empty	Front—2,275; rear—1,890
Tires: Ply—8	Size—7.00 x 20; Pressure (lb)—Front—55; rear—55
Tread, center to center (in.):	Front—56½
Shipping dimensions: Uncrated (cu ft) 753.4	(sq ft) 113.7
Vehicle dimensions:	
Ground clearance:	(in.) 9½
Electrical system:	(volts) 6
No. of batteries:	1
Capacities:	
Fuel (70 octane gasoline):	(gal) 18
Cooling system:	(qt) 16
Crankcase (refill):	(qt) 5
Transmission:	(qt) 2½
Differential:	(qt) 5
Brakes: Manufacturer—Chevrolet; Type—hydraulic-vacuum booster	
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	

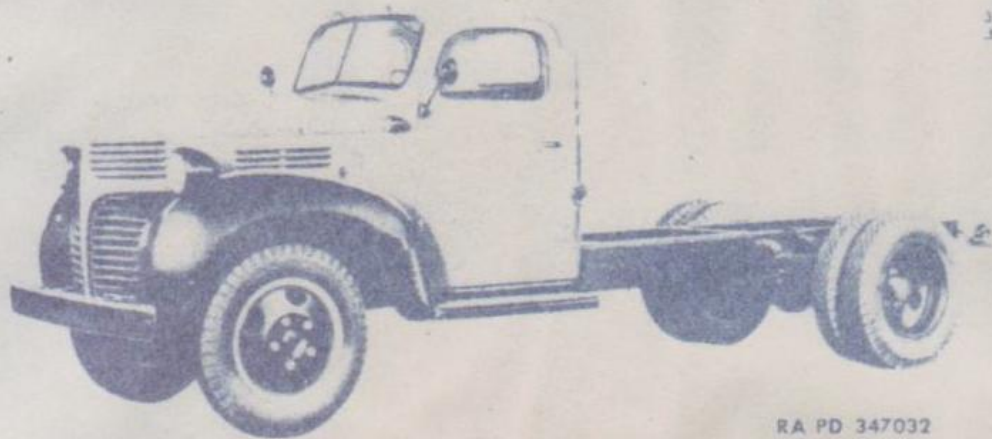
PERFORMANCE

Maximum computed gradability:	(percent) 25
Turning radius (ft):	Right—26; left—26
Fording depth:	(in.) 20
Fuel consumption: With maximum allowable towed load	(mpg) 6
Cruising range: With maximum allowable towed load	(mi) 100
Allowable speed (governed):	(mph) 45
Maximum recommended towed load:	(lb) 12,000

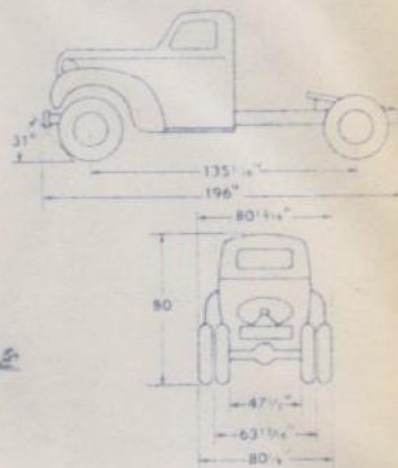
ENGINE

Manufacturer: Chevrolet	Model BG-1001 up
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.3
Bore:	(in.) 3½
Stroke:	(in.) 3½
Maximum governed speed:	(rpm) 3,100
Brake horsepower:	83.5 at (rpm) 3,000
Torque:	182 ft-lb at (rpm) 1,000

TRUCK, 1½-TON, 4 x 2, TRACTOR



RA PD 347032



Parts List: SNL G-618

Manufacturer: Chrysler Corporation, Dodge Division.

Purpose: To tow semitrailer.

Classification: Standard.

GENERAL DATA

Crew:	2
Weight (lb): Net—4,390	Payload—4,670
Rear axle: Gear ratio	6.285:1
Axle load (lb): Loaded	Front—2,580, rear—6,580
Empty	Front—2,380, rear—2,110
Tires: Ply—8	Size—7.00 x 20; Pressure (lb)—Front—55, rear—55
Tread, center to center (in.):	Front—59 1/2
Shipping dimensions:	
Uncrated	(cu ft) 733.18; (sq ft) 109.98
Vehicle dimensions:	
Ground clearance	(in.) 9 1/2
Fifth wheel center to center of rear axle (ahead of axle) (in.)	3
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 18
Cooling system	(qt) 19 1/2
Crankcase (refill)	(qt) 5
Transmission	(qt) 3
Differential	(qt) 5 1/2
Brakes: Manufacturer—Dodge	Type—hydraulic
Dimensions (in.)	Front—13 1/4, rear—2 1/2
Transmission: Speeds	4
(Gear ratio: High—1.00:1; Low—6.40:1)	

PERFORMANCE

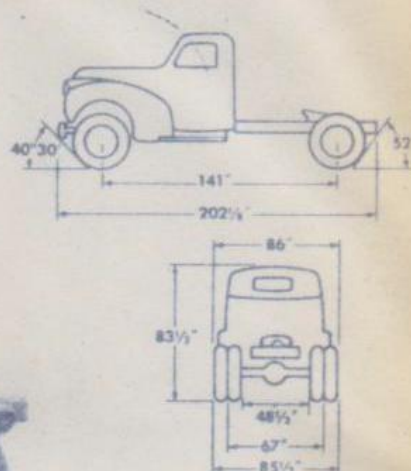
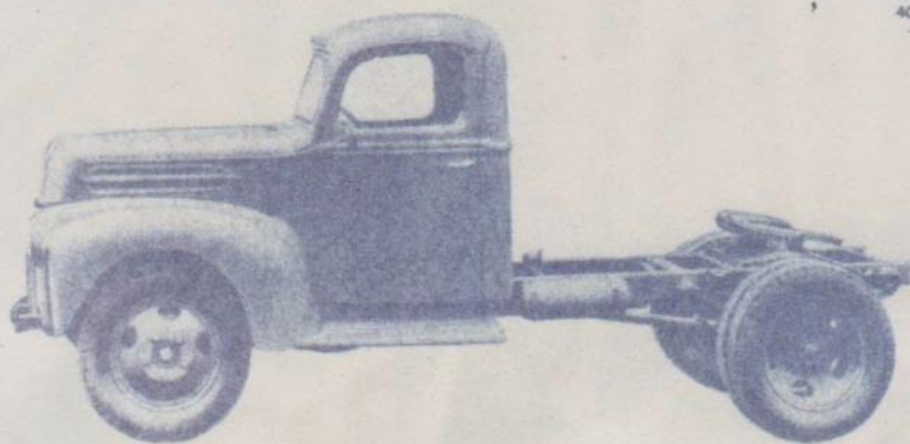
Maximum computed gradability:	(percent) 26.0
Turning radius (ft):	Right—22 3/4, left—25
Fording depth (in.):	32
Fuel consumption (loaded):	(mpg) 7
Cruising range (loaded):	(mi) 125
Allowable speed:	(mph) 45
Maximum recommended towed load:	(lb) 12,000

ENGINE

Manufacturer: Dodge	Model T 118
Type: L head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 235.6
Bore:	(in.) 3 7/8
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 3,000
Brake horsepower:	10 1/2 at (rpm) 3,000
Torque:	190 ft lb at (rpm) 1,500 to 2,200

ADDITIONAL DATA

TRUCK, 1½-TON, 4 x 2, TRACTOR



Technical Manuals: 9-806, 9-1806A,
9-1806B, 9-1829A
Parts List: SNL G-549

RA PD 347106

Manufacturer: Ford Motor Co.
Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew:	2
Weight (lb): Net—5,800 Payload—4,300 Gross—10,120	
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—2,950; rear—7,170
Empty	Front—2,760; rear—3,040
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—57½
Shipping dimensions:	
Uncrated	(cu ft) 839.4; (sq ft) 120.6
Vehicle dimensions:	
Ground clearance	(in.) 9½
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (68 octane gasoline)	(gal) 19
Cooling system	(qt) 16
Crankcase (refill)	(qt) 5
Transmission	(qt) 2½
Differential	(qt) 2½
Brakes: Manufacturer—Ford	Type—hydraulic
Dimensions (in.):	Front—2; rear—3½
Transmission: Speeds	4
(Gear ratio: High—1:1; Low—6.4:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 24.2
Turning radius (ft):	Right—29; left—29
Fording depth:	(in.) 25
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 12,000

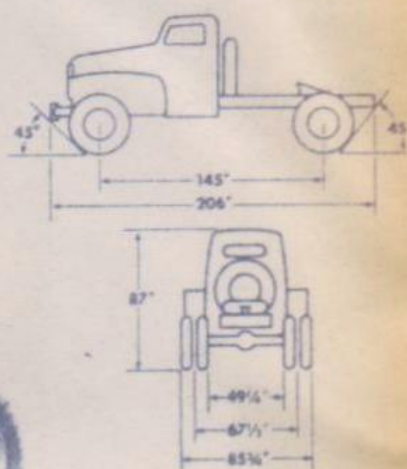
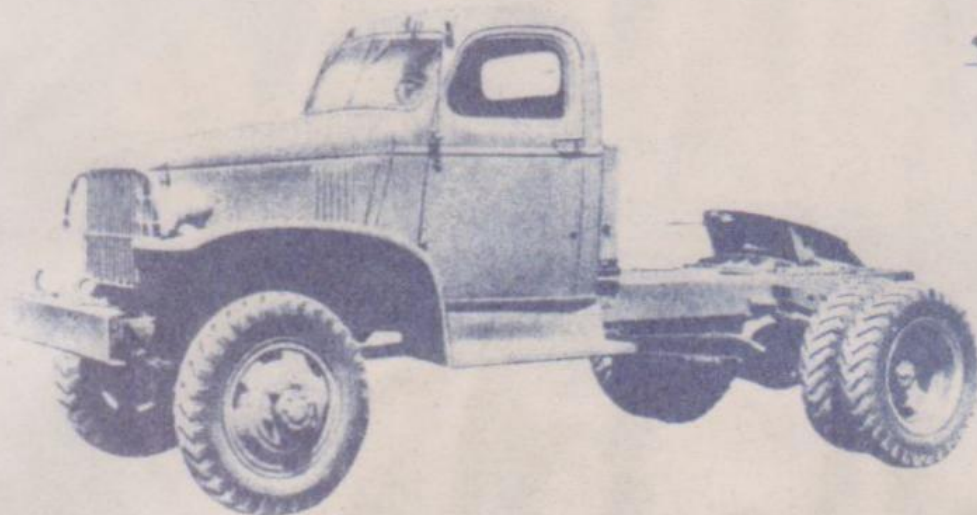
ENGINE

Manufacturer: Ford	Model G8TA
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 225.78
Bore:	(in.) 3½
Stroke:	(in.) 4½
Maximum governed speed:	(rpm) 3,400
Brake horsepower:	90.7 at (rpm) 3,400
Torque:	180 ft-lb at (rpm) 1,200

ADDITIONAL DATA

30 gal. auxiliary fuel tank furnished, on L. H. side of chassis.

TRUCK, 1½-TON, 4 x 4, TRACTOR



Technical Manuals: 9-805, 9-1765A, 9-1765B, 9-1825A, 9-1827B, 9-1829A
Parts List: SNL G-506

Manufacturer: Chevrolet Motor Division (GMC).

Purpose: To tow semitrailers.

Classification: Standard.

GENERAL DATA

Crew	2
Weight (lb): Net—6,140	Payload—4,850 Gross—10,990
Rear axle: Gear ratio	6.67:1
Axle load (lb): Loaded	Front—3,510; rear—7,480
Empty	Front—3,235; rear—2,905
Tires: Ply—8; Size—7.50 x 20; Pressure (lb)—Front—55; rear—55	
Tread, center to center (in.):	Front—60 1/2
Shipping dimensions: Uncrated (cu ft) 889.3;	(sq ft) 122.6
Vehicle dimensions (over-all):	
Ground clearance	(in.) 9 1/2
Pintle height—empty	(in.) 30
Fifth wheel center to center of rear axle	(in.) 3
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (70 octane gasoline)	(gal) 30
Cooling system	(qt) 17 1/4
Crankcase (refill)	(qt) 5
Transfer case	(qt) 2
Transmission	(qt) 2 1/4
Differentials (qt)	Front—7; rear—7
Brakes: Manufacturer—Chevrolet	Type—hydraulic-hydrovac
Dimensions (in.)	Front—2; rear—3
Transmission: Speeds	4
(Gear ratio: High—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.941:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 65
Turning radius (ft):	Right—29 1/2; left—29 1/2

Fording depth:	(in.) 29
Allowable speed (governed):	(mph) 48
*Maximum recommended towed load:	(lb) 12,000

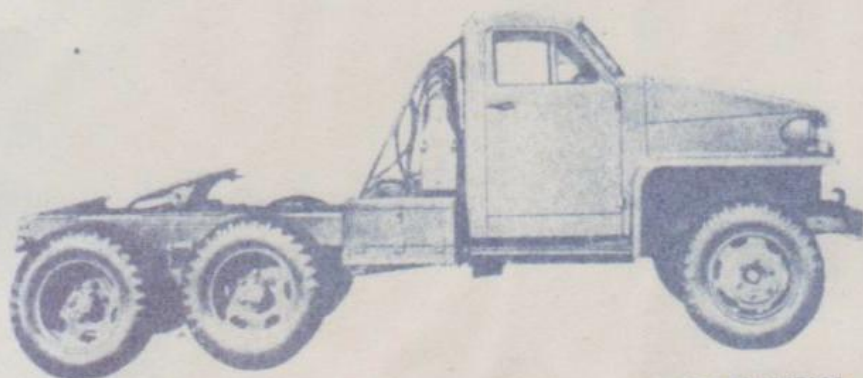
ENGINE

Manufacturer: Chevrolet	Model: BV 1901 up
Type: Valve-in-head, 4-cycle	
No. of cylinders:	(in line) 6
Displacement:	(cu in.) 235.5
Bore:	(in.) 3 1/4
Stroke:	(in.) 3 1/2
Maximum governed speed:	(rpm) 1,100
Brake horsepower:	83 at (rpm) 1,000
Torque: (Net)	184 ft lb at (rpm) 1,000

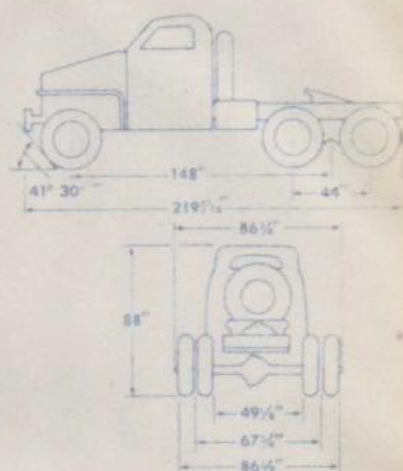
ADDITIONAL DATA

*This 12,000 lb gross weight semitrailer imposes the 4,500 lb payload on the tractor-truck.

TRUCK, 2 1/2-TON, 6 x 4, TRACTOR



RA PD 347100



Technical Manuals: 9-807, 9-1807,
9-1825A, 9-1826A, 9-1827B, 9-1827C,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-630

Manufacturer: Studebaker Corporation.

Purpose: To tow semitrailers.

GENERAL DATA

Crew:	2
Weight: (lb): Net—8,140	Payload—9,520
	Gross—17,660
Rear axle: (Gear ratio 6.6:1)	
Asile load (lb): Loaded	Front—4,115; rear—13,545
	Empty
	Front—3,550; rear—4,500
Tires: Ply—8	Size—7.50 x 20; Pressure (lb)—Front—55; rear—55
Tread, center to center (in.):	Front—62 3/4
Shipping dimensions:	
Uncrated	(cu ft) 985; (sq ft) 132.2
Vehicle dimensions:	
Ground clearance	(in.) 10
Fifth wheel center to center of bogie	(in.) 6
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 40
Cooling system	(qt) 21
Crankcase (refill)	(qt) 6
Transfer case	(qt) 3 1/2
Transmission (main)	(qt) 4 1/2
Differentials (each)	(qt) 3 1/2
Brakes: Manufacturer—Wagner BK	Type—hydraulic vacuum
Dimensions	(in.) 2 1/4
Transmission: Speeds	5
(Gear ratio: High—0.799:1; Low—6.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—1.155:1; Low—1.82:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 32
Turning radius:	Right—31'8", left—32'1"

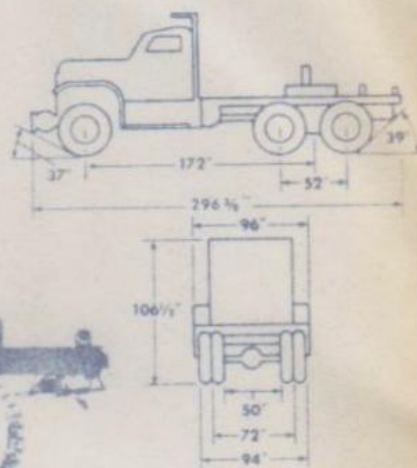
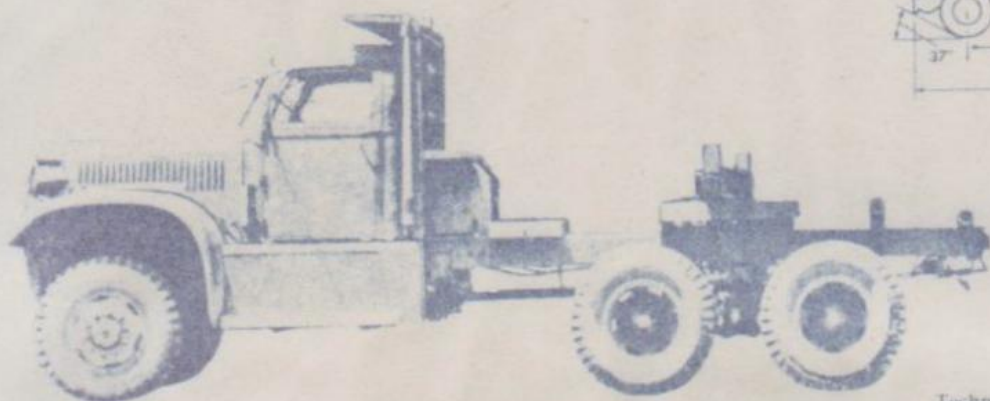
Fording depth:	(in.) 30
Fuel consumption (loaded):	(mpg) 4.5
Cruising range (loaded):	(mi) 180
Allowable speed:	(mph) 45
Maximum recommended towed load:	
On highways	(lb) 21,510

ENGINE

Manufacturer: Hercules	Model: JXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 320
Bore:	(in.) 4
Stroke:	(in.) 4 1/4
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	87 at (rpm) 2,400
Torque:	228 ft. lb at (rpm) 1,200

ADDITIONAL DATA

TRUCK-TRACTOR, 4-TON, 6 x 6 (4DT), 172" WHEELBASE, WITH "A" FRAME, CAB PROTECTOR AND FRONT MOUNTED WINCH



RA PD 347196

Technical Manuals: 9-811, 9-1811,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-509

Manufacturers: Chassis: Diamond T Motor Car Co.
Body: Eidel Manufacturing Co.
Classification: Standard.

Make of vehicle illustrated: Diamond T, 4-ton, 6 x 6 truck, with Corps of Engineers' body.
Purpose: Used by Corps of Engineers for transporting logs, pipe and sawmill equipment.

GENERAL DATA

Crew:	2
Weight (lb): Net—16,770, Payload varies—(8,000) Gross—24,770	
Rear axle: Gear ratio	6.85:1
Axle load (lb):	
Loaded	Front—7,370; rear—7,200 (2)
Empty	Front—6,370; rear—3,700 (2)
Tires: 10 Ply—10; Size—9.00 x 20; Pressure (lb): Front—65; rear—65	
Tread, center to center (front)	(in.) 75 1/4
Shipping dimensions: Uncrated	(cu ft) 1724.7; (sq ft) 194.3
Vehicle dimensions:	
Loading height (empty)	(in.) 57 1/2
Ground clearance	(in.) 11
Pintle height (empty)	(in.) 37
Fifth wheel center to center of rear axle or bogie (in front)	(in.) 3
Electrical system:	(volts) 6
No. of batteries	1
Capacities:	
Fuel (68 octane gasoline)	(gal) 50
Cooling system	(qt) 48
Crankcase (refill)	(qt) 16
Transfer case	(qt) 5
Transmission	(qt) 12
Differentials (qt)	Front—7; rear (each)—4
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendix Westinghouse	Type—air
Dimensions:	(in.) 4
Transmission: Speeds	5
(Gear ratio: High—7.68:1, 4th—direct, Low—7.68:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct, Low—1.72:1)	

PERFORMANCE

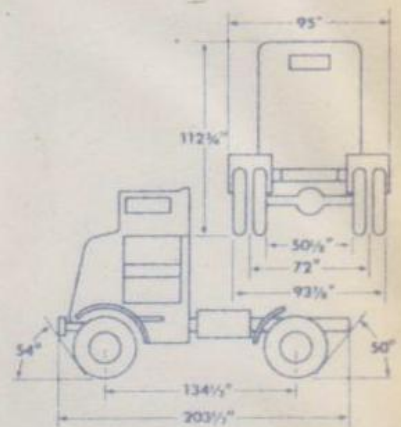
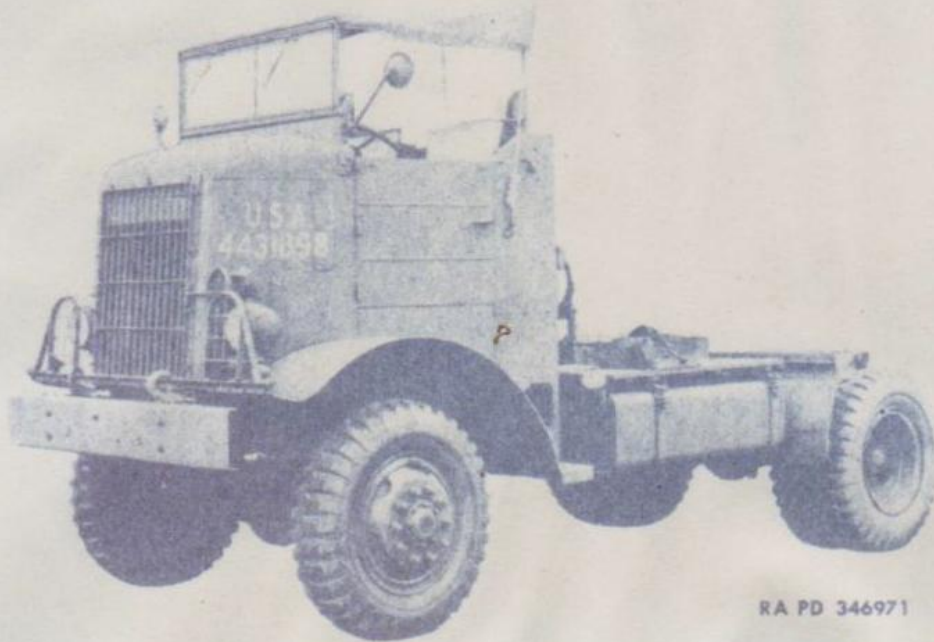
Maximum computed gradability:	(per cent) 68
Turning radius (ft):	Right—42; left—43
Fording depth:	(in.) 24
Fuel consumption (loaded):	(mpg) 3
Operating range (loaded):	(mi) 180
Allowable speed:	(mph) 40
Maximum recommended towed load:	(lb) 11,000

ENGINE

Manufacturer: Isuzu	Model: RXC
Type: L-head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/4
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft-lb at (rpm) 900

ADDITIONAL DATA

TRUCK, 4-5 TON, 4 x 4, TRACTOR, C.O.E.



Technical Manuals: 9-516, 9-1816,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A

Parts List: SNL G-510

RA PD 346971

Manufacturer: The Autocar Co.
Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew:	2
Weight (lb): Net—12,360 Payload—8,650 Gross—21,010	
Axle:	(Gear ratio—8.43:1)
Axle load (lb): Loaded Front—7,120; rear—13,890	
Empty Front—7,020; rear—5,340	
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.)	Front—73 1/2
Shipping dimensions: Uncrated (cu ft) 1,260;	(sq ft) 135
Ground clearance:	(in.) 11 1/2
Pintle height: loaded	(in.) 32 1/2
Electrical system:	(volts) 12
No. of batteries (6 volt)	2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 40
Crankcase	Dryfill—16; refill (qt) 14
Transfer case	(qt) 2
Transmission:	Summer—7 qt; winter—(qt) 9
Differentials	Front—8 qt; rear—(qt) 10
Brakes: Manufacturer—Bendix-Westinghouse Type—air	
Dimensions (in.)	Front—4; rear—4
Transmission: Speeds	5
(Gear ratio: High—0.75 over; 4th—direct; Low—5.9:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 48.5
Turning radius (ft):	Right—30; left—30

Fording depth (in.):	24 1/2
Fuel consumption (empty):	(mpg) 9
With maximum allowable towed load	(mpg) 3.3
Cruising range (empty):	(mi) 540
With maximum allowable towed load	(mi) 198
Allowable speed:	(mph) 41
Maximum recommended towed load:	(lb) 20,000

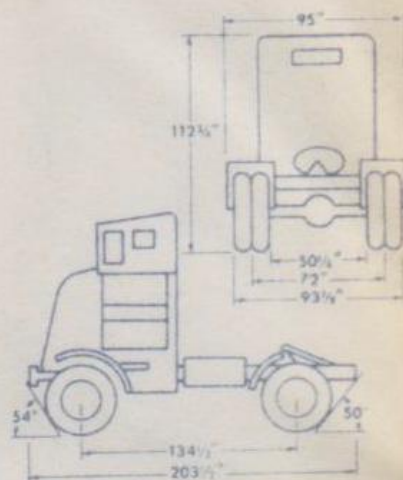
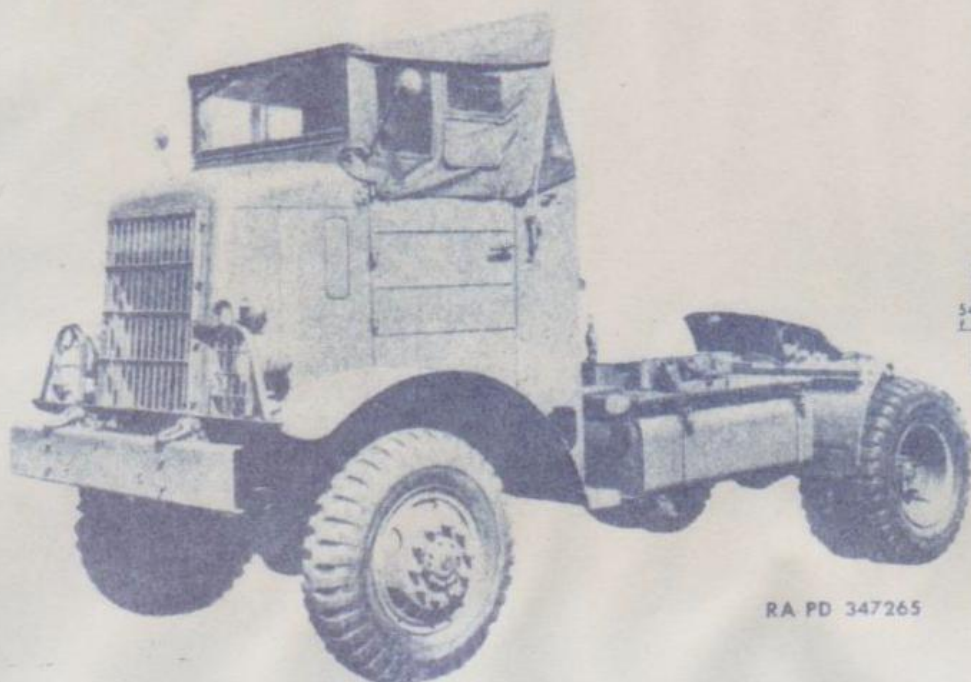
ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders in line 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/2
Stroke:	(in.) 5 1/2
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	112 at (rpm) 2,200
Torque:	368 ft-lb at (rpm) 1,000

ADDITIONAL DATA

Height with closed cab, 108 1/2 in.
Identified by Signal Corps as K-32.

TRUCK, 4-5 TON, 4 x 4, TRACTOR, C.O.E.



Technical Manuals: 9-816, 9-1816,
9-1825B, 9-1826C, 9-1827A, 9-1828A,
9-1829A, 9-1832A
Parts Lists: SNI G-510, 691

RA PD 347265

Manufacturer: White Motor Company.
Classification: Standard.

Purpose: To tow semitrailers.

GENERAL DATA

Crew:		2
Weight (lb): Net—12,560	Payload—8,450	Gross—21,010
Rear axle: Gear ratio		8.43:1
Axle load (lb):		
Loaded	Front—7,120; rear—13,890	
Empty	Front—7,020; rear—5,540	
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65		
Tread, center to center (in.):	Front—73 1/4	
Shipping dimensions: Uncrated	(cu ft) 1,260; (sq ft) 134.2	
Ground clearance	(in.) 11 1/4	
Profile height (loaded)	(in.) 32 1/2	
Fifth wheel center to center of rear axle	(in.) 3	
Electrical system:	(volts) 12	
No. of batteries (6-volt)		2
Capacities:		
Fuel (68 octane gasoline)	(gal) 60	
Cooling system	(qt) 38	
Crankcase (refill)	(qt) 12	
Transfer case	(qt) 2	
Transmission (main)	(qt) 7	
Differentials (qt)	Front—8; rear—10	
Brakes: Manufacturer—Bendix-Westinghouse	Type—air	
Dimensions	(in.) 4	
Transmission: Speeds		5
(Gear ratio: High—0.75 over; 4th—direct; Low—5.9:1)		
Transfer case: Speeds		2
(Gear ratio: High—direct; Low—1.72:1)		

PERFORMANCE

Maximum computed gradability:	(per cent) 50.7
Turning radius (ft):	Right—30; left—30
Fording depth:	(in.) 24 1/2

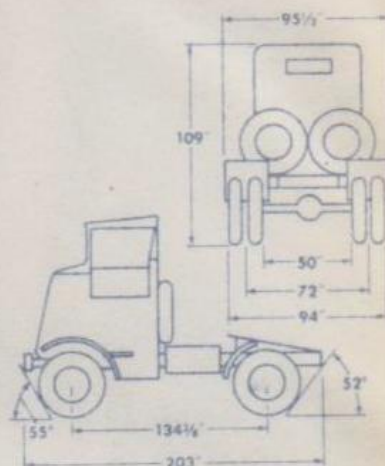
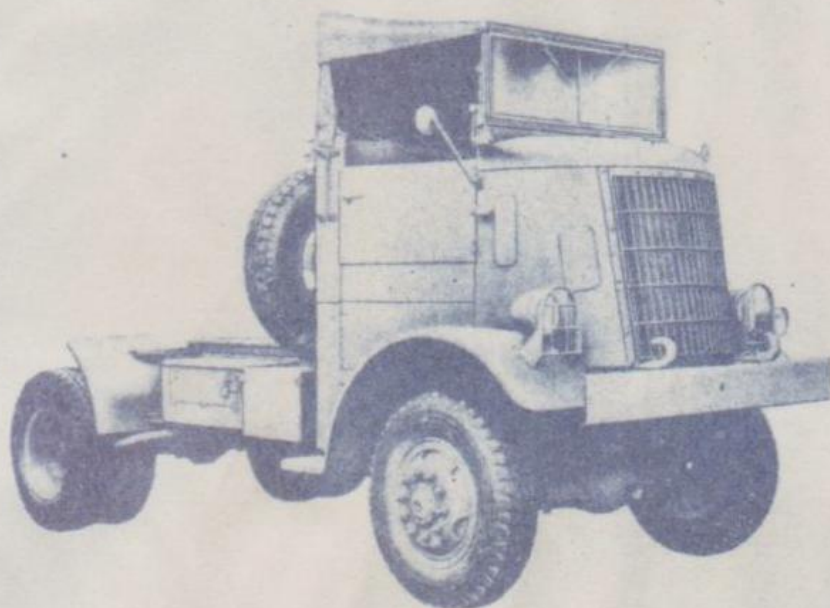
Fuel consumption: w/maximum allowable towed load (mpg)	3.3
Cruising range: w/maximum allowable towed load	(mi) 198
Allowable speed:	(mph) 41

ENGINE

Manufacturer: Hercules	Model RXX
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/8
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	106 at (rpm) 2,300
Torque:	342 ft.-lb. at (rpm) 900

ADDITIONAL DATA

TRUCK, 4-5 TON, 4 x 4, TRACTOR, C.O.E.



Technical Manuals: 9-820, 9-1816,
9-1825A, 9-1825B, 9-1826C, 9-1827A,
9-1828A, 9-1829A, 9-1832A
Parts List: SNL G-513

RA PD 347096

Manufacturer: Federal Motor Truck Co.

Purpose: To tow semitrailers.

Classification: Standard.

GENERAL DATA

Grew: *	2
Weight (lb): Net—42,110 Payload—8,650 Gross—20,760	
Rear axle: (Gear ratio 8.43:1)	
Axle load (lb): Loaded	Front—6,650; rear—14,110
Empty	Front—6,650; rear—5,460
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65	
Tread, center to center (in.):	Front—73 1/4
Shipping dimensions:	
Uncrated	(cu ft) 1,035; (sq ft) 134.6
Vehicle dimensions:	
Ground clearance	(in.) 11 1/2
Pintle height (loaded)	(in.) 32 1/2
Fifth wheel center to center of rear axle	(in.) 3
Electrical system:	(volts) 12
No. of batteries	(6 volts each) 2
Capacities:	
Fuel (68 octane gasoline)	(gal) 60
Cooling system	(qt) 36
Crankcase (refill)	(qt) 10
Transfer case	(qt) 2
Transmission	(qt) 20
Differentials (qt)	Front—6; rear—6
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions	(in.) 4
Transmission: Speeds	5
(Gear ratio: High—0.768 over; 4th—direct; Low—7.06:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—1.72:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 64.5
Turning radius (ft):	Right—28 1/2; left—28 1/2

Forcing depth:	(in.) 26
Fuel consumption (with maximum allowable towed load) (mpg)	4 1/2
Cruising range (with maximum allowable towed load): (mi)	270
Allowable speed:	(mph) 40.6
Maximum recommended towed load:	(lb) 20,000

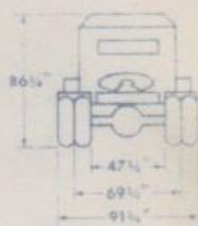
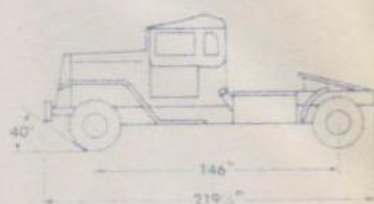
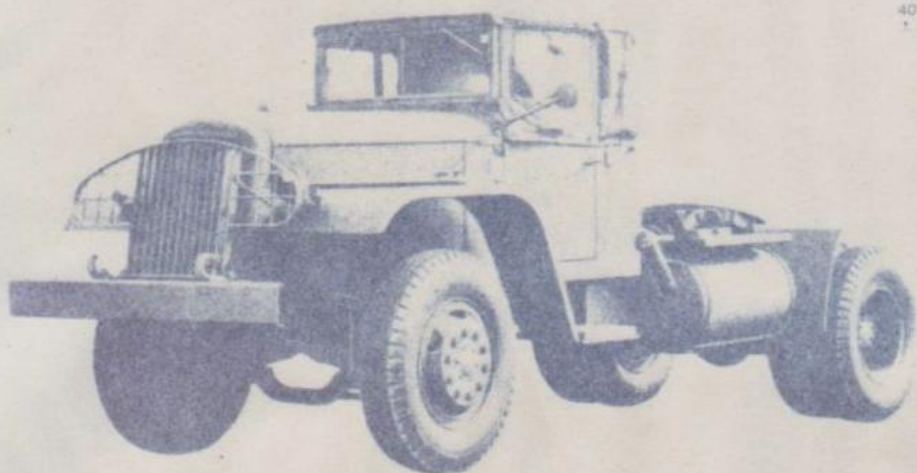
ENGINE

Manufacturer: Hercules	Model RXC
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 529
Bore:	(in.) 4 1/2
Stroke:	(in.) 5 1/4
Maximum governed speed:	(rpm) 2,300
Brake horsepower:	131 at (rpm) 2,300
Torque:	195 ft. lb at (rpm) 1,000

ADDITIONAL DATA

Identified by Signal Corps as K-32.

TRUCK, 5-TON, 4 x 2, TRACTOR



Technical Manual :
10-1681

RA PD 347087

Manufacturer: Mack Manufacturing Corp.

Purpose: To tow semitrailers

Classification: Standard.

GENERAL DATA

Crew:	2	
Weight (lb): Net	8,800	Gross—20,800
Rear axle: (Gear ratio 8.59:1)	Payload—12,000*	
Axle load (lb): Loaded	Front—5,240; rear—15,560	
Empty	Front—4,600; rear—4,200	
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)	Front—65; rear—65	
Tread, center to center (in.):	Front—69 1/2	
Shipping dimensions:		
Uncrated	(cu ft) 1,009; (sq ft) 140	
Vehicle dimensions:		
Loading height (empty)	(in.) 43 1/2	
Ground clearance	(in.) 10	
Plate height (loaded)	(in.) 30 1/2	
Fifth wheel center to center of rear axle	(in.) 8	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:		
Fuel (70 octane gasoline)	(gal) 50	
Cooling system	(qt) 31	
Crankcase (refill)	(qt) 9	
Transmission	(qt) 10 1/2	
Differential	(qt) 14	
Brakes: Manufacturer—Bendix Westinghouse	Type—air	
Dimensions (in.):	Front—3; rear—4	
Transmission: Speeds	5	
(Gear ratio: High—1:1; Low—8.05:1)		

PERFORMANCE

Maximum computed gradability:	(percent) 35
Turning radius (ft):	Right—26; left—28

Fording depth:	(in.) 44 1/2
Fuel consumption (empty):	(mpg) 7*
Cruising range (empty):	(mi.) 350†
Maximum recommended towed load: On highways	(lb) 20,000

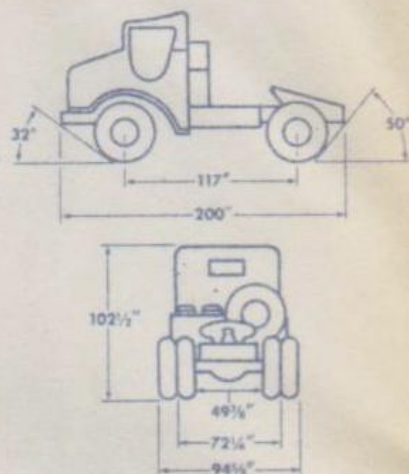
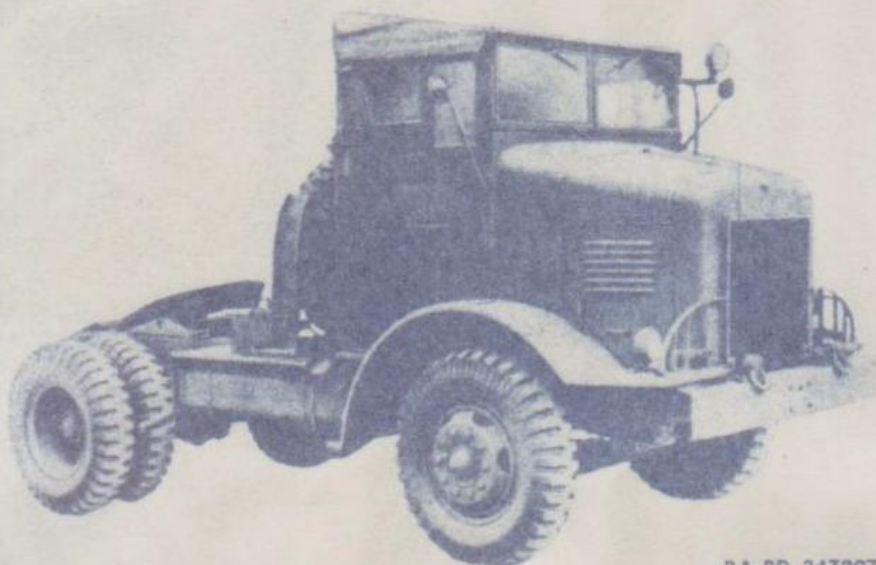
ENGINE

Manufacturer: Mack	Model: EN354
Type: L head, 4 cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 354
Bore:	(in.) 5 1/2
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,620
Brake horsepower:	110 at (rpm) 2,620
Torque:	254 ft.-lb. at (rpm) 1,200

*With maximum allowable towed load, 5 mph.
†With maximum allowable towed load, 150 miles.

ADDITIONAL DATA

TRUCK, 5-TON, 4 x 2, TRACTOR, C.O.E., M425



Technical Manuals: 9-812, 9-1812,
9-1825A, 9-1826C, 9-1827A,
9-1828A, 9-1829A
Parts List: SNL G-671

RA PD 347207

Manufacturer: International Harvester (Model H-542-9).
Armament: All vehicles equipped with truck mount M36 for antiaircraft machine gun.

Classification: Limited standard.
Purpose: Light—Used by Transportation Corps and Ordnance to haul a 5-ton Semitrailer.

GENERAL DATA

Weight (lb): Net—11,400	Payload—7,850	Gross—19,250
Rear axle; Gear ratio		8.14:1
Axle load (lb): Loaded	Front—7,225; rear—12,025	
Empty	Front—6,617; rear—4,783	
Tires: Ply—10; Size—9.00 x 20; Pressure (lb)—Front—65; rear—65		
Tread, center to center (in.):	Front—69 1/4	
Shipping dimensions:		
Uncrated	(cu ft) 1,122; (sq ft) 132	
Vehicle dimensions:		
*Height (over-all) (in.)	5th wheel, height (empty)—53 1/2	
Ground clearance	(in.) 9 1/16	
Pintle height (in.)	Loaded—30 1/16; empty—33 1/4	
Fifth wheel center to center of rear axle	(in.) 3	
Electrical system:	(volts) 6	
No. of batteries	1	
Capacities:		
Fuel (72 octane gasoline)	(gal) 80	
Cooling system	(qt) 38	
Crankcase (refill)	(qt) 15	
Transmission (main)	(qt) 12 1/4	
Differential	(qt) 10	
Brakes: Manufacturer—Bendix-Westinghouse	Type—air	
Dimensions (in.)	Front—4; rear—5 1/2	
Transmission: Speeds	5	
(Gear ratio: High—direct; Low—8.08:1)		

PERFORMANCE

Maximum computed gradability:	(per cent) 41
Turning radius (ft):	Right—23 1/2; left—23 1/2
Fording depth:	(in.) 32 3/4
Fuel consumption (empty):	(mpg) 4

Cruising range (loaded):	(mi) 320†
Allowable speed:	(mph) 35
Maximum recommended towed load:	(lb) 16,000

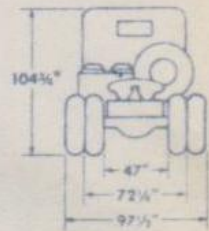
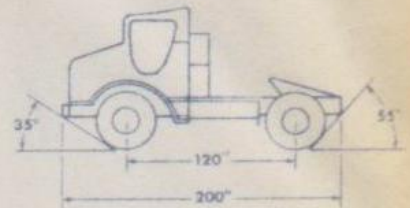
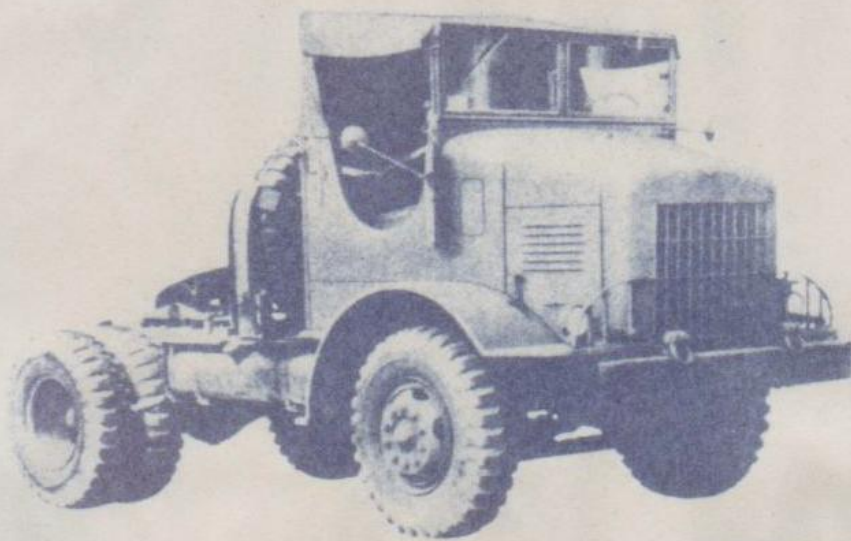
ENGINE

Manufacturer: IHC	Model Red-450 D
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 450.99
Bore:	(in.) 4 1/2
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	124.5 at (rpm) 2,600
Torque:	348 ft-lb at (rpm) 800

ADDITIONAL DATA

*Height with top up:	(mpg) 3 1/2
†With maximum allowable towed load:	(mi) 280

TRUCK, 5-TON, 4 x 2, TRACTOR, C.O.E., M426



Technical Manuals: 9-812, 9-1812,
9-1825A, 9-1826C, 9-1827A,
9-1828A, 9-1829A.
Parts List: SNL G-671

RA PD 347205

Manufacturers: International Harvester Co.; Marmon-Herrington Co.; Kenworth (Models H-542-11).

Classification: Standard.

Make of vehicle illustrated: IHC.

Armament: All vehicles equipped with truck mount, M36, for antiaircraft machine gun.

Purpose: Heavy—Used by Transportation Corps and Ordnance to haul 10-ton Semitrailers.

GENERAL DATA

Crew:	2
Weight (lb): Net—12,100 Payload—13,000 Gross—25,100	
Rear axle: Gear ratio	8.14:1
Axle load (lb): Loaded	Front—7,900; rear—17,200
Empty	Front—6,800; rear—5,300
Tires: Ply—14 Size—11.00 x 20 Pressure (lb)	70
Shipping dimensions:	
Uncrated	(cu ft) 1,182; (sq ft) 136
Vehicle dimensions:	
5th wheel, height (empty)	(in.) 53 1/2
Ground clearance	(in.) 10 1/2
Funic height (in.)	Loaded—34; empty—37
Fifth wheel, center to center of rear axle	(in.) 6
Electrical system:	(volts) 12
No. of batteries	1
Capacities:	
Fuel (72 octane gasoline)	(gal) 80
Cooling system	(qt) 36
Crankcase (refill)	(qt) 15
Transmission (main)	(qt) 12 1/4
Differential	(qt) 10
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—5 1/2
Transmission: Speeds	5
(Gear ratio: High—direct; Low—8.08:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 25
Turning radius (ft):	Right—25 1/2; left—25 3/4
Fuel consumption (empty):	(mpg) 4
With maximum allowable towed load	(mpg) 3

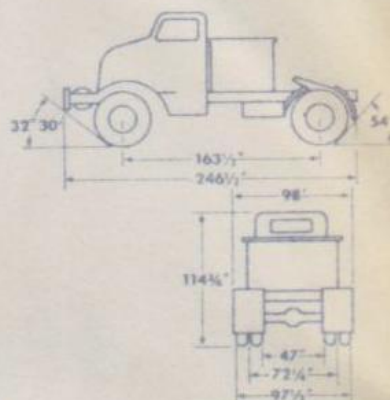
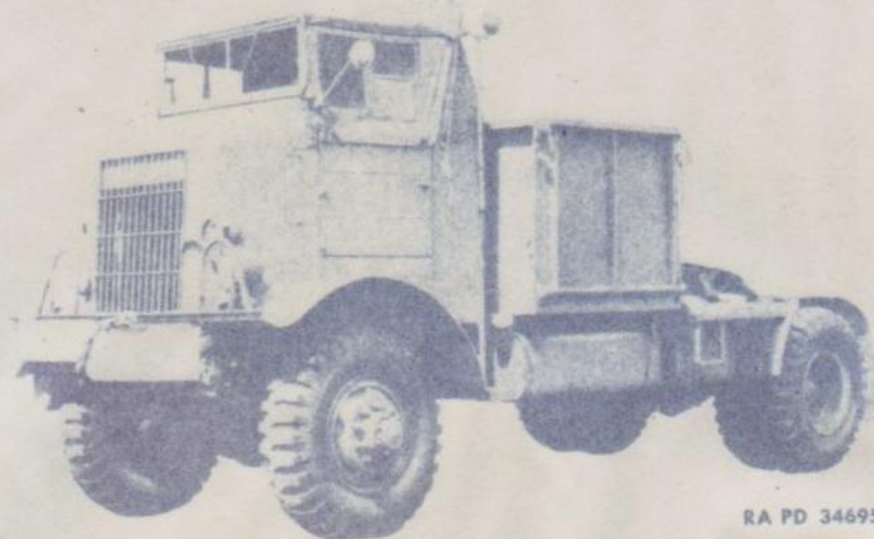
Cruising range (empty):	(mi) 320
With maximum allowable towed load	(mi) 240
Allowable speed:	(mph) 38
Number of speeds forward:	5
Maximum recommended towed load:	(lb) 40,000

ENGINE

Manufacturer: International	Model Red-450-D
Type: Valve-in-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 450.99
Bore:	(in.) 4 1/2
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,600
Brake horsepower:	124.5 at (rpm) 2,600
Torque:	348 ft-lb at (rpm) 800

ADDITIONAL DATA

TRUCK, 5-6 TON, 4 x 4, PONTON TRACTOR, C.O.E.



Technical Manuals: 9-817, 9-1817, 9-1825B, 9-1826C, 9-1827A, 9-1828A, 9-1829A, 9-1832A

Parts List: SNL G-511

RA PD 346951

Manufacturer: The Autocar Co.
Classification: Standard.

Purpose: Used by Corps of Engineers to tow semitrailers with ponton equipment.

GENERAL DATA

Crew:		2
Weight (lb): Net—15,660	Payload—10,460	Gross—27,120
Rear axle: Gear ratio:		8.148:1
Axle load (lb):		
Loaded:	Front—11,020; rear—16,100	
Empty:	Front—9,490; rear—7,170	
Tires: Ply—14; Size—12.00 x 20; Pressure (lb):	Front—60; rear—60	
Tread, center to center (in.):	Front—71 1/4	
Shipping dimensions: Uncrated (cu ft):	1,605	(sq ft) 168
Vehicle dimensions:		
Height (over-all): closed cab:		(in.) 110
Ground clearance (in.):		10 1/8
Pintle height—loaded 34 1/2; empty 38:		
Fifth wheel center to center of rear axle:		(in.) 3
Electrical system:		(volts) 12
No. of batteries (6 volts):		2
Capacities:		
Fuel (58 octane gasoline):		(gal) 90
Cooling system:		(qt) 40
Crankcase (refill):		(qt) 12
Transfer case:		(qt) 2
Transmission:		(qt) 7
Differential:	Front—(qt) 8; rear—(qt) 10	
Winch:		(qt) 2
Winch (load capacity):		(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse:		Type—air
Dimensions (in.):	Front—4 1/2; rear—5	
Transmission: Speeds:		5
(Gear ratio: High—.75 over; 4th—direct; Low—5.9:1)		
Transfer case: Speeds:		2
(Gear ratio: High—direct; Low—1.72:1)		

PERFORMANCE

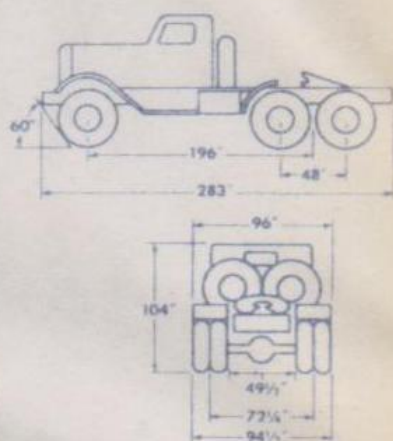
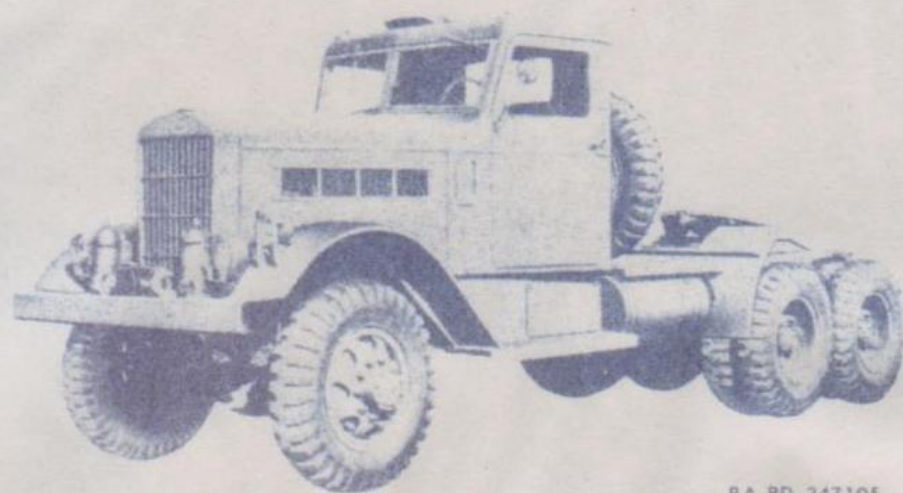
Maximum computed gradability:	(percent)	36.2
Turning radius (ft):	Right—35; left—35	
Fording depth:	(in.)	25
Fuel consumption (empty):	(mpg)	7
With maximum allowable towed load:	(mpg)	3
Cruising range (empty):	(mi)	630
With maximum allowable towed load:	(mi)	170
Allowable speed:	(mph)	45
Maximum recommended towed load:		
On highways:	(lb)	20,000

ENGINE

Manufacturer: Hercules:		Model RXC
Type: L head, 4-cycle:	No. of cylinders (in line)	6
Displacement:	(cu in.)	529
Bore:	(in.)	4 1/4
Stroke:	(in.)	5 1/4
Maximum governed speed:	(rpm)	1,300
Brake horsepower:	112 at (rpm) 2,200	
Torque:	368 ft.-lb at (rpm) 1,300	

ADDITIONAL DATA

TRUCK-TRACTOR, 7¹/₂-TON, 6 x 6, FUEL SERVICING, TYPE F1



RA PD 347105

Technical Orders: AN-19-25-53;
Parts Catalog 19-25-54 Biederman;
also Reo AN-19-25-51, AN-19-25-52;
and Federal 19-25-35

Manufacturers: Biederman Motors Corp.; Federal Motor Truck Co.; Reo Motor Car Co.
Classification: Standard.

Make of vehicle illustrated: Reo.
Purpose: Used by Army Air Forces to tow Fuel Servicing Semitrailers, Types F-1 and F-1A.

GENERAL DATA

Crew:	3
Weight (lb): Net—27,500	Payload—16,000* Gross—43,500
Rear axle: Gear ratio	5.16:1
Axle load (lb): Loaded	Front—7,600; rear—25,850
Empty	Front—7,600; rear—10,000
Tires: Ply—12; Size—10 x 22; Pressure (lb): Front—70; rear—70	
Tread, center to center (in.):	Front—72 1/2
Shipping dimensions:	
Uncrated	(cu ft) 1,646; (sq ft) 190
Vehicle dimensions:	
Height (over all)	(in.) 104
Ground clearance	(in.) 11
Pinch height (in.)	Loaded—35 1/2; empty—38
Fifth wheel center to center of rear axle (ahead)	(in.) 2
Electrical system:	(volts) 12
No. of batteries	(12-volt) 1, or (6-volt) 2
Capacities:	
Fuel (70-80 octane gasoline)	(gal.) 60
Cooling system	(qt.) 60
Crankcase (refill)	(qt.) 14
Transmission	(qt.) 16
Differentials (each)	(qt.) 7
Transfer case	(qt.) 3
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	Front—4; rear—6
Transmission: Speeds	5
(Gear ratio: High—0.69:1; Low—5.23:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(per cent) 53
Turning radius (ft):	Right—38, left—38
Fording depth:	(in.) 26
Fuel consumption (mpg):	Empty 3 1/2; loaded—3
Cruising range: Loaded	(mi.) 130
Empty	(mi.) 180
Allowable speed:	(mph) 33
Maximum recommended towed load:	(lb) 65,000

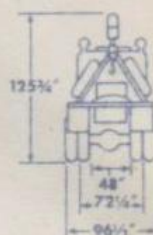
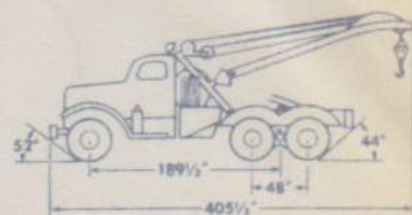
ENGINE

Manufacturer: Hercules	Model: HXD
Type: V-head, 4-cylinder	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 3 1/2
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	180 at (rpm) 1,000
Torque:	615 ft. lb. at (rpm) 800

*Weight on both axles

ADDITIONAL DATA

TRUCK-TRACTOR, WRECKING, TYPE C2, 7½-TON, 6 x 6 (4DT)



Technical Orders: 19-20-9, 19-20-10,
19-20-16, 19-20-17

RA PD 347104

Manufacturer: Federal Motor Truck Company.
Classification: Standard.

Purpose: Used by Army Air Forces to salvage crashed
planes, and to perform general towing.

GENERAL DATA

Crew:	4
Weight (lb): Net—28,000 Payload—13,000* Gross—41,000	
Rear axle: Gear ratio:	10.22:1
Axle load (lb): Loaded	Front—10,300; rear—30,700
Empty	Front—10,300; rear—17,700
Tires: Ply—12; Size—11.00 x 20; Pressure (lb)—Front—70; rear—70	
Tread, center to center (in.):	Front—72½
Shipping dimensions:	
Uncrated	(cu ft) 2,072; (sq ft) 197
Vehicle dimensions:	
Ground clearance	(in.) 12½
Pintle height (in.)	Loaded—35¼; empty—38
Electrical system (dual ignition):	(volts) 12
No. of batteries	(6 volts in series) 2
Capacities:	
Fuel (70-80 octane gasoline)	(gal) 110
Cooling system	(qt) 60
Crankcase	Refill (qt) 14
Transfer case	(qt) 3
Transmission	(qt) 16
Differentials (each)	(qt) 7
Winch	(qt) 2
Winch (load capacity)	(lb) 15,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air
Dimensions (in.)	4
Transmission: Speeds	5
(Gear ratio: High—0.69:1; Low—5.23:1)	
Transfer case: Speeds	2
(Gear ratio: High—direct; Low—2.55:1)	

PERFORMANCE

Maximum computed gradability:	(percent) 58
Turning radius (ft):	Right—44; left—40

Fording depth:	(in.) 26
Fuel consumption (empty):	(mpg) 31
Cruising range (empty):	(mi) 330†
Allowable speed:	(mph) 35
Maximum recommended towed load:	(lb) 39,000

ENGINE

Manufacturer: Hercules	Model HXD
Type: L-head, 4-cycle	No. of cylinders (in line) 6
Displacement:	(cu in.) 855
Bore:	(in.) 5½
Stroke:	(in.) 6
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	180 at (rpm) 2,000
Torque:	615 ft-lb at (rpm) 800

*Weight on fifth wheel

†With maximum allowable load—1.4 mpg.

‡With maximum allowable load—150 miles.

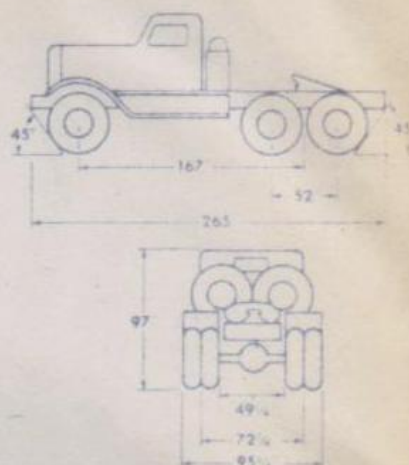
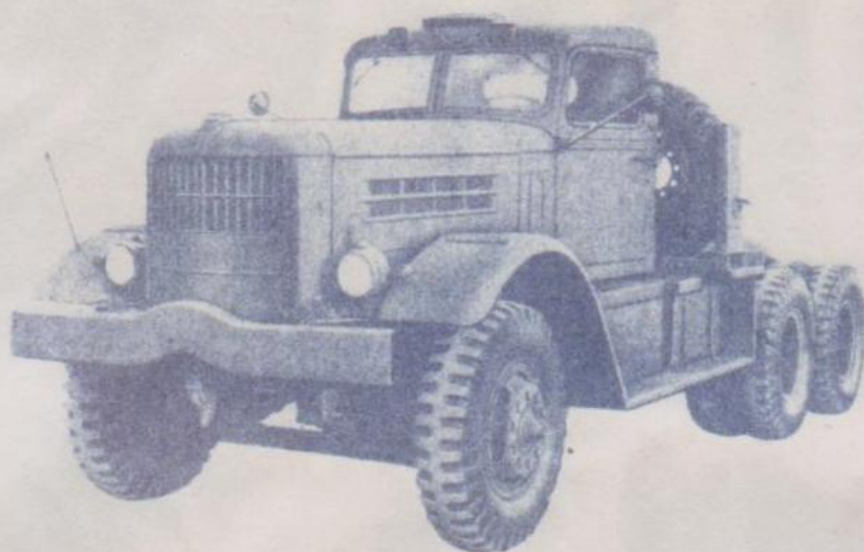
ADDITIONAL DATA

Older models were equipped with Gar Wood 10-ton (at 10-foot radius) capacity boom crane and have a gooseneck boom 15 feet long.

Newer models were equipped with a Gar Wood 5-ton (at 8-foot radius) telescoping boom, having lengths of 18 feet, 22 feet and 26 feet.

All have: Rear-mounted underslung winch;
110-volt DC electric power plant, 3,000 watts capacity;
Flood lamps;
Air steering;
Cleveland Pneumatic Model YMB air springs at front;
Inertia starter; and
Provision for installing cold starting equipment.

TRUCK-TRACTOR, 20-TON, 6 x 4, DIESEL



Parts List: SNI C-648

RA PD 347102

Manufacturer: Federal Motor Truck Co. (Model 604).

Purpose: Tank hauler.

GENERAL DATA

Crew:	2	
Weight (lb): Net—20,000	Payload—19,000	Gross—39,000
Rear axle: Gear ratio	10.27:1	
Axle load (lb): Loaded	Front—8,500; rear—30,500	
	Empty	Front—8,500; rear—11,500
Tires: Ply—12; Size—19.00 x 20; Pressure (lb)—Front—70; rear—70		
Tread, center to center (in.)	Front—71 1/2	
Shipping dimensions:		
Uncrated	(cu ft) 1,392 (sq ft) 175	
Vehicle dimensions:		
Ground clearance	(in.) 9 1/2	
Pinacle height (loaded)	(in.) 28 1/2	
Electrical system:	(volts) 24	
No. of batteries	(6 volt) 4	
Capacities:		
Fuel (50 cetane Diesel fuel oil)	(gal)	80
Cooling system	(qt)	41
Crankcase (refill)	(qt)	24
Transmission	(qt)	13
Differentials	(each) (qt)	10
Winch (load capacity)	(lb)	25,000
Brakes: Manufacturer—Bendix-Westinghouse	Type—air	
Dimensions (in.)	Front—4; rear—5 1/2	
Transmission: Speeds	8	
(Gear ratio—See Additional Data)		

PERFORMANCE

Maximum computed gradability:	(per cent)	26
Turning radius (ft)	Right—32 1/2; left—31 1/2	
Fording depth:	(in.)	30
Fuel consumption (with maximum allowable towed load): (mpg)	2 1/2-3	
Cruising range (with maximum allowable towed load): (mi)	200-240	

Allowable speed: (direct) (mph) 21; (overdrive) (mph) 27.3
 Maximum recommended towed load:
 On highways (lb) 57,000

ENGINE

Manufacturer: Cummins	Model 4B600
Type: Valve-in-head Diesel, 2-cycle; No. of cylinders (in-line)	6
Displacement:	(cu in.) 572
Bore:	(in.) 4 1/2
Stroke:	(in.) 5
Maximum governed speed:	(rpm) 2,150
Brake horsepower:	130 at (rpm) 2,000
Torque:	456 ft. lb. at (rpm) 2,000

ADDITIONAL DATA

(Transmission gear ratios: 1st speed—High—3.72:1; Low—5.48:1
 4th speed—High—0.77:1; Low—1.76:1)

APPENDIX. References

PUBLICATIONS INDEXES

The following publications indexes should be consulted frequently for latest changes to or revisions of references given to this section and for new publications relating to matériel covered in this manual:

Current Ordnance OFSB's and FSMWO's	SB 9-9
Introduction to Ordnance Catalog (explains SNL system)	WD Cat. ORD 1
Ordnance Supply Catalog Index	WD Cat. ORD 2
Ordnance Major Items and Combinations and pertinent publications	SB 9-1
List and Index of War Department Publications	FM 21-6
List of War Department Films, Film Strips, and Recognition Film Slides	FM 21-7
Military training aids	FM 21-8

WAR DEPARTMENT CATALOGS

Antifriction Bearings and Related Items	ORD 5 SNL H 12
Cleaning, Preserving and Lubricating Materials; Recoil Fluids, Special Oils, and Miscellaneous Related Items	ORD 3 SNL K 1
Elements, Oil Filter	ORD 5 SNL K 4
Group G Common Items	ORD 13 SNL G 9
Lubricating Equipment, Accessories and Related Dispensers	ORD 5 SNL K 3
Soldering, Brazing and Welding Materials, Gases and Related Items	ORD 3 SNL K 2
Tires, Tubes, Tire Valves and Patches, Etc.	ORD 5 SNL H 14
Tools, Maintenance, for Repair of Automotive and Semi-automotive Vehicles:	
Tool Sets (Special) Motor Vehicles	ORD 6 SNL G 27 Sec I
Tool Sets (Common) Specialists and Organizational	ORD 6 SNL G 27 Sec II

OTHER PUBLICATIONS

Maintenance:	
Basic Maintenance Manual	TM 37-250
Care and Maintenance of Roller Bearings	TM 37-265
Classification of Ordnance Motor Transport Vehicles	SB 9-53, C1
Cooling Systems: Vehicles and Powered Ground Equipment	TM 9-2858
Fire Extinguishers	TM 9-1799
Maintenance and Care of Pneumatic Tires and Rubber Treads	TM 31-200
Maintenance: Vehicle Major Unit Assembly Overhaul	SB 9-36
Modification of Ordnance Matériel	SB 9-38
Motor Vehicle Inspection and Preventive Maintenance Services	TM 37-2810

OTHER PUBLICATIONS—Continued

Ordnance Maintenance:	
Brake Systems	TM 9-1827A, B, and C
Carburetors	TM 9-1826A, B, and C
Electrical Equipment	TM 9-1825A and B
Fuel Pumps	TM 9-1828A
Speedometers, Tachometers and Recorders	TM 9-1829A
Storage Batteries, Lead-Acid Type	TM 9-2857
Suppression of Radio Noises	TM 11-483
Tire Repair and Retread	TM 9-1868
Vehicular General Purpose Unit Equipment	TM 9-834
Vehicular Maintenance Equipment, Grinding, Boring, Valve Reseating Machines and Lathes	TM 9-1834A
Cleaning and lubricating and preserving—	
Cleaning, Preserving, Sealing, Lubricating and Related Materials Issued for Ordnance Matériel	TM 9-850
Rust Preventive Materials	SB 9-31
Training:	
Driver's Manual	TM 21-305
Driver Selection and Training	TM 21-300
Radio Communication	FM 24-18
Administration:	
Data for Registration Motor Vehicle (W. D., O. O. Form 7358)	SB 9-27
Development, Classification of, and Specifications for Types of Equipment	AR 850-25
Motor Vehicles	AR 850-15
Motor Transport	FM 25-10
Ordnance Company, Depot	FM 9-25
Ordnance Field Maintenance	FM 9-10
Ordnance Service in the Field	FM 9-5
Registration of Motor Vehicles	AR 850-10
Supply:	
Stock List of All Items—Pricing Guide—Major Items	WD Cat ORD 5-3-1
Local Procurement of Replacement Parts	SB 9-22
Ordnance Motor Vehicles Assemblies	SB 9-40
Standard Overhaul Cost of Ordnance Matériel	SB 9-30
General supply:	
Winterization Equipment for Automotive Matériel	SB 9-16
Protection of matériel:	
Camouflage, Basic Principles	FM 5-20
Camouflage of Vehicles	FM 5-20B
Decontamination	TM 3-220
Decontamination of Armored Force Vehicles	FM 17-59
Preparation of Ordnance Matériel for Deep Water Fording	TM 9-2853
Miscellaneous:	
Dictionary of United States Army Terms	TM 20-205
Storage and shipment:	
Ordnance Packaging and Shipping (Posts, Camps, and Stations)	TM 9-2854
Ordnance Storage and Shipment Chart, Group G (Major Items of Automotive and Semiautomotive Vehicles, Including Bicycles)	SB 9-OSSC-G
Preparation of Unboxed Ordnance Matériel for Shipment	SB 9-4
Preparation for Shipment of Unserviceable Transport and Combat Vehicle Major Assemblies	SB 9-26
Preservation of Ordnance Matériel Not in Regular Use	SB 9-28
Protection of Ordnance Matériel in Open Storage	SB 9-47
Rules and Regulations Governing Driving of Ordnance Vehicles by Commercial Drivesaway Companies	SB 9-15

NOTE: Technical Orders listed in this manual may be requisitioned from Air Matériel Command, Wright Field, Dayton, Ohio.

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