

STANDARD MILITARY MOTOR VEHICLES
TRUCK, CARGO AND PERSONNEL CARRIER,
1½-TON, 6 x 6

1943

Technical Manuals: TM 9-810, TM 9-1808A. Parts List: SNL G-507

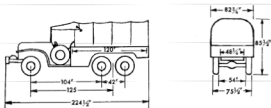
Manufacturer: Dodge Brothers Corp. (Div. of Chrysler Corp.)



RA PD 66585

Classification: Standard

Purpose: To transport personnel and general cargo.



SECTION VIII—TRUCKS

TRUCK, CARGO AND PERSONNEL CARRIER,
1½-TON, 6 x 6

GENERAL DATA

Crew, operating 2	Passenger capacity, including crew	
Weight	Net (lb)	6,925*
	Payload (lb)	3,000*
	Gross (lb)	9,925*
Shipping dimensions	(cu ft) (sq ft)	
Tires	Ply 8 Size 9.00 x 16	
Tread, center to center	(in.)	64½
Ground clearance	(in.)	10½
Pintle height (in.)	Loaded 26¾ Unloaded 27¾	
Electrical system	(volts)	6
Capacities	Fuel, 70 octane gasoline (gal)	30
	Cooling system (qt)	18
	Crankcase (qt)	5
Brakes	Hydraulic	

PERFORMANCE

Maximum gradability	(percent)	60
Turning radius	(ft)	26½
Fording depth	(in.)	34
Angle of approach (deg)	with winch 37½ without winch 54	
Angle of departure	(deg)	31
Fuel consumption, average conditions	(miles per gal)	8
Cruising range, average conditions	(miles)	240
Maximum allowable speed	(mph)	54
Number of speeds forward		4

ENGINE

Manufacturer	Dodge Model T-223	
Type	In-line, 4 cycle Number of cylinders	6
Displacement	(cu in.)	230.2
Governed speed	(rpm)	3,200
Brake horsepower		92
Ignition type	Battery	

ADDITIONAL DATA

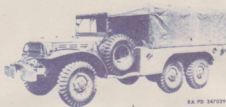
Winch capacity	(lb)	5,000
--------------------------	------	-------

*Figures given are for vehicles without winch. For vehicles with winch use the following data:

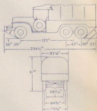
Weight (lb) Net 7,375; Payload 3,000; Gross 10,375

1947

TRUCK, 1½-TON, 6 x 6, PERSONNEL AND CARGO (W/WINCH)



EA PD 347029



Technical Manuals: 9-423,
9-1085A, 9-1085B, 9-1255A,
9-1255B, 9-1255C, 9-1279A
Parts List: SNL G-MT

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

Purpose: To transport personnel and general cargo.

GENERAL DATA

Crew:	2	Passengers (including crew):	17
Weight (G): Net—7,550		Payload—3,500	Gross—10,850
Rear axle: Gear ratio:			3.62:1
Safe load (G): Loaded:	Front—3,425, rear—4,225		
	Empty	Front—3,251, rear—4,225	
Tires: Ply—4. Size—8.00 x 16.	Pressure (G): Front—40, rear—40		
Tread, center to center (in.):		Front—61½	
Shipping dimensions:			
Overall:		Ln 23,536 in, Dq 70,174 in	
Vehicle dimensions:			
Loading height—Empty:		Ln 2	31
Ground clearance:		Ln 3	19½
Fork height—Loaded:		Ln 3	27½
Empty:		Ln 3	27½
Electrical system:		(volts)	6
No. of batteries:			1
Capacities:			
Fuel (19 cubic gallons):		(gal)	30
Cooling system:		(qt)	17
Crankcase (oil):		(qt)	8
Transfer case:		(qt)	2½
Transmission:		(qt)	2½
Differentials (each):		(qt)	2½
Wash:		(qt)	1
Winch: (load capacity):		(lb)	2,000
Brake: Manufacturer—Dodge	Type:	Hydraulic	
Dimensions:		Ln 2	1½
Transmission: Speeds:			
(Gear ratio: High—2.66:1, Low—4.44:1)			4
Transfer case: Speeds:			
(Gear ratio: High—1.66:1, Low—1.50:1)			2

PERFORMANCE

Maximum computed gradeability:	(percent)	35
Turning radius:	Right—27° 17', left—27° 17'	
Fording depth:	(in.)	34
Fuel consumption (loaded):	(mpg)	8
Cracking range (loaded):	(mph)	34
Allowable speed:	(mph)	34
Maximum recommended towed load:	(lb)	20,150

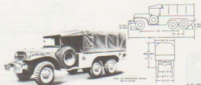
ENGINE

Manufacturer: Dodge	Model T 313	
Type: L head, 4-cylc	No. of cylinders (in line)	4
Displacement:	(cu in.)	128.2
Bore:	(in.)	4½
Stroke:	(in.)	4½
Maximum governed speed:	(rpm)	2,200
Brake horsepower:	(at 2,200 rpm)	22.0
Torque:	(lb ft at 2,200 rpm)	1,200

ADDITIONAL DATA

1953

**TRUCK, PERSONNEL AND CARGO, 1½-TON, 6 x 6
(Dodge, Models WC62 and WC63, T223, 1943)**



Technical Manual: T-50, T-50A, T-50B, T-50C, T-50D, T-50E, T-50F. Supply Catalog: ENL G-20.

Vehicle Illustrated: Model WC63, T223, 1943.
Classification: Standard.

GENERAL DATA

Crew	3, Passengers (including crew) 17
Weight (lb)	Net 7,500
Payload	
Off highway	gross 10,400
On highway	gross 12,400
Line axle gear ratio	5.50:1
Axle load (lb)	
Empty	front 3,024, rear (each) 2,118
Loaded	
Off highway	front 3,424, rear (each) 3,718
On highway	front 3,480, rear (each) 4,450
Tires	
Fly 6	Size 8.00 x 16; Pressure (psi) 40
Tread, center-to-center, front	(in.) 54 1/2
Shipping dimensions, unstated	
W/tyres	(in.) 71 1/2; (sq. ft.) 120
W/o tyres	(in.) 71 1/2; (sq. ft.) 118
Vehicle dimensions	
Ground clearance	(in.) 10 1/2
Loading height, empty	(in.) 33
Pivotal height	
Loaded	(in.) 27
Empty	(in.) 28
Body inside dimensions (in.)	
Length	120
Width	60 1/2
Height, under bows	34
Body cargo space	(cu. ft.) 191
Electrical system	(volts) 6
No. of batteries	1
Type of ground	negative
Fuel volume rating	70
Capacities	
Fuel	(gal) 30
Cooling system	(qt) 17
Crackcase, oil	(qt) 2
Transfer	(qt) 2 1/2
Transmission (oil)	
W/ power take-off	30 1/2
W/o power take-off	29
Axle (each)	(qt) 2 1/2
Wash	
Oil capacity	(qt) 1
Load capacity	(lb) 7,500
Brakes	
Manufacturer: Dodge	Type: hydraulic
Parking brake, type	transfer

Purpose: To transport personnel and general cargo.

GENERAL DATA—Continued

Transmission	
Forward speeds	4
Gear ratio	High 1:1; Low 6.40:1
Transfer	
Speed	2
Gear ratio	High 1:1; • Low 1.20:1

PERFORMANCE

Computed grade ability in lowest gear, loaded	(percent) 9.50
Turning radius	(ft) 27
Furling depth	(in.) 26
Fuel consumption, loaded	(mpg) 9
Cruising range, loaded	(mi) 200
Maximum speed, governed	(mph) 32
Maximum recommended towed load, gross	(lb) 5,000

ENGINE

Manufacturer: Dodge	Model T-223
Type	L-head, 4-cylc; No. of cylinders (in line) 4
Displacement	(cu. in.) 200.2
Bore	(in.) 3 1/4
Stroke	(in.) 4 1/4
Compression ratio	4.7:1
Governed speed	(rpm) 2,200
Brake horsepower (max w/o accessories)	70 at (rpm) 2,200
Torque (max w/o accessories)	100 (lb-ft) at (rpm) 1,200

ADDITIONAL DATA

Data given for Model WC63 w/tyres; for Model WC62 w/o tyres changes in data are as follows:

Over-all length	(in.) 213
Weight (lb)	
Net	7,200
Gross	
Off highway	10,200
On highway	12,400
Axle load (lb)	
Empty	front 3,020, rear (each) 2,140
Loaded	
Off highway	front 3,420, rear (each) 3,740
On highway	front 3,480, rear (each) 4,460
Line Axles, type	hypoid, full-floating
Transmission, type	selective shifting gear

• 1.90:1 on late production.
• 27 percent w/o 80:1 ratio in transfer.