

# B-68SX



## SIX-WHEEL • GASOLINE POWERED • TRUCK

Greater earnings through long-life and less down-time are assured operators of this heavy-duty Mack gasoline powered, six-wheeler. Whether it is off-the-road dumper or concrete mixer work, rugged logging or low-bed tractor operations, Mack B-68SX has the stamina and power for years of profitable service.

Ample economical power for rough going under heavy, money-making loads is furnished by Mack's new gasoline engine producing 185 horsepower at a conservative 2400 r.p.m. Thoroughly tested during every stage of manufacture the new Mack EN 540 Thermodyne engine assures excellent performance records at low fuel consumption.

Mack care and experience built into each truck pays handsome dividends to owners by low-cost, low-maintenance operations. The

proven Balanced Bogie with the famous Mack Power Divider assures sure footed traction even under slippery going by transferring power to the non-slipping wheels. The husky front axle is well proportioned and of high capacity. Mack transmissions from a wide-range, ten-speed to a compact twenty-speed box permits flexibility to meet various demands economically.

The sturdy well ventilated cab is distinguished in appearance and comfortable. The cab and front-end sheet metal are of unitized mounting at four-points in rubber cushions for resiliency under road shock. Driver's safety and convenience are aided by an excellent arrangement of instruments and controls, a roomy interior, weather and fume protection and a comfortable seat that is fully adjustable.

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# MODEL B-68SX

## STANDARD EQUIPMENT

### Condensed Specifications

WHEELBASE: — 170½" PLATFORM — 144"

#### ENGINE (Gasoline):

Model ..... EN 540 Thermodyne  
 Make ..... Mack  
 Number of cylinders ..... Six  
 Bore and stroke ..... 4½" x 5½"  
 Piston displacement, cu. in. .... 540  
 Brake horsepower @ 2400  
 r.p.m. (gov.) ..... 185  
 Max. torque @ 1300 r.p.m.  
 Pound-feet ..... 445  
 Oil filter (2 quarts) ..... W. G. B., by-pass

#### CLUTCH: (Mack)

Model ..... Cl. 28, with Vibrasorb  
 clutch plate  
 Type ..... Single-plate, dry  
 Outside dia., facing ..... 14½"  
 Area of engagement sq. in. .... 253

#### FUEL SYSTEM:

Carburetor ..... Zenith, updraft  
 Governor ..... Pierce, mechanical  
 Air cleaner ..... Donaldson, oil bath  
 Oil capacity ..... 6½ pints  
 Tank capacity & location ..... 22 gal., left apron

#### COOLING SYSTEM:

Radiator, type ..... Continuous finned, flat tube  
 Frontal area, sq. in. .... 700  
 Water capacity of system ..... 60 quarts

#### ELECTRIC SYSTEM:

Voltage and capacity ..... 11 V., 55 Amp.  
 Generator, make ..... Delco-Remy  
 Starting motor, make ..... Delco-Remy  
 Battery, make ..... Exide or Auto-Lite  
 Plates per cell ..... 17  
 Amp. hrs. @ 20 hr. rate ..... 120  
 Number required ..... Two (6 Volt)  
 Location ..... Right apron  
 With right step fuel  
 tank ..... Right rail, behind cab

#### TRANSMISSION: (Mack)

Model ..... TRDX 670  
 Type ..... Ten-speed, overgear  
 (wide-range),  
 two-lever, Duplex  
 Ratios:      5th    4th    3rd    2nd    1st    Rev.  
 High      0.79   1.00   1.92   3.64   6.74   6.80  
 Low      1.82   2.32   4.46   8.44   15.62   15.77

#### DRIVESHAFTS:

Tube ..... 3½", 0.156" wall  
 Joint ..... Yoke type  
 Make & size ..... Spicer, 1600

#### FRONT AXLE: (Mack)

Model ..... FA 522  
 Type ..... Reversed-Elliott, I-beam

#### BOGIE: (Mack)

Model ..... SWD 68  
 Bogie wheelbase ..... 54"  
 Drive ..... Four-wheel, straight  
 through  
 Inter-axle differential ..... Mack Power Divider  
 Housing construction ..... Banjo, one-piece, steel  
 casting  
 Carriers ..... CRDP 112 & CRL 113  
 Ratios ..... 6.34, 7.69, 8.24

#### BRAKES, AIR:

SIZE—Dia., Width, Lining Thickness & Lining Area (sq. in.)  
 Front ..... 16½" x 4" x ¾" (276)  
 Rear ..... 16½" x 6" x ¾" (828)  
 Hand ..... 12" x 5" x ⅝" (139)  
 Compressor ..... Tu-Flo 500 (12 cu. ft.)  
 Reservoir capacity ..... 5026 cu. in. (total)

#### FRAME:

Material, frame rail ..... Chrome-manganese steel,  
 heat-treated  
 Size ..... 9" x 3¼" x ¼"  
 Reinforcements ..... ¼" Inside Channel and  
 ¼" Outside Channel  
 Size, over outside channel  
 only ..... 10½" x 3¼" x ¼"  
 Section Modulus ..... 25.80 (with I.C. & O.C.)  
 Cross-members ..... One I-beam, three channel

#### SPRINGS:

Front, type ..... Semi-elliptic  
 Size ..... 46" x 3"  
 Leaf thickness ..... 0.360" (14 leaves)  
 Rear, type ..... Semi-elliptic (inverted)  
 Size ..... 54" x 5"  
 Leaf thickness ..... 0.788" (13 leaves)  
 Shot-peening ..... Tension side of main,  
 second and third  
 leaves  
 Suspension, Front ..... Rubber Shock Insula-  
 tors, front end; fixed  
 pin, rear end  
 Rear ..... Rubber Shock Insulators

#### SHOCK ABSORBERS — FRONT:

Type ..... Houdaille, rotary-hydraulic

#### TIRES: (Available on SWD 68 only)

Size ..... 11.00-22 (12P)  
 Rims ..... 8.0  
 (Overall width exceeds 96")

#### WHEELS:

Type ..... Cast, spoke

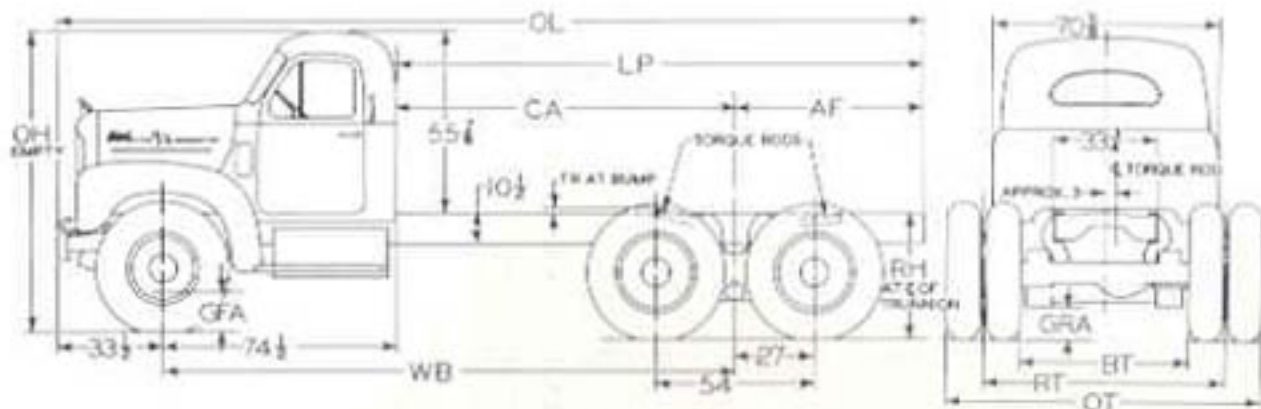
#### STEERING GEAR:

Model ..... SG 26  
 Type ..... Worm and roller  
 Ratio ..... 28.4  
 Steering wheel, diameter ..... 22"



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## CHASSIS DIAGRAM



WB	LP	CA	AF	OL	Turning Circle Approx.	
					Left	Right
170 $\frac{1}{2}$	144	96	48	232	67 ft.	67 ft.
170 $\frac{1}{2}$	168	96	72	278	67 ft.	67 ft.
182 $\frac{1}{2}$	168	108	60	276	71 ft.	71 ft.
184 $\frac{1}{2}$	194	120	74	300	74 ft.	74 ft.
222 $\frac{1}{2}$	240	144	92	348	83 ft.	83 ft.

(Outer side of line)

Chassis dimensions are in inches and are for standard chassis unless otherwise denoted.

TIRE SIZE	OH Approx.	GFA	Angle	TR	GSA	BH (loaded)	OT	RT	BT
11.00-22	97 $\frac{1}{2}$	11	SWD68	2 $\frac{1}{4}$	9	40 $\frac{1}{2}$	99 $\frac{1}{2}$	73 $\frac{1}{2}$	48 $\frac{1}{2}$
11.00-22	98 $\frac{1}{2}$	22	SWD68	2 $\frac{1}{4}$	10	41 $\frac{1}{2}$	97 $\frac{1}{2}$	73 $\frac{1}{2}$	48 $\frac{1}{2}$
			SWD192	3 $\frac{1}{4}$	10 $\frac{1}{2}$	42 $\frac{1}{2}$	97 $\frac{1}{2}$	73 $\frac{1}{2}$	48 $\frac{1}{2}$

Frame heights are subject to variations of 10 mm.

Angle wheelbase shown for SWD68, SWD192 wheelbases is 58°.

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