



B-68LT



WEIGHT-SAVER • GASOLINE • TRACTOR

Mack's famous dependability and economy of operation is aided by weight-saving features of this four-wheel, gasoline powered tractor Model B-68LT, engineered for long life in over-the-road semi-trailer hauling. Larger payloads are possible by Mack's discriminate use of aluminum in the chassis without sacrifice to strength or durability.

Ample power is supplied by Mack's new Thermodyne 540 cubic inch gasoline engine. Promising high fuel economy and low maintenance cost this powerful engine contains proven Mack features of design and construction. Incorporated are such quality features as long water jackets for thorough cooling, valves and valve seats constructed for greatest efficiency, timing gears which never wear out and many more advanced features.

Complete control of design and manufacture of major components by Mack has produced a truck that is well balanced—having all parts built to last through the tough working schedules demanded of highway hauling. Mack's high, consistent quality of manufacture makes the difference—exclusive design features, sturdy material and generous margins of stamina all add to longer useful life and most important to the owner—less down time.

Drivers like the cab's roominess, convenience of controls and excellent road visibility. Service personnel appreciate Mack's accessibility—to dash instruments; to the engine, by means of a wide hood design, easily removable panels between hood and fenders for greater work space and a full length cavity in the dash to permit clear access to number six cylinder; to radiator, by means of a quickly removable shell.

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MODEL B-68LT

STANDARD EQUIPMENT

Condensed Specifications

Standard Model B-68LT has the following aluminum parts incorporated in its design: Front bumper; Engine front support; Engine rear support brackets; Engine rear support frame brackets; Steering gear housing and bracket; Front and rear spring brackets; Air reservoirs; Rear brake chamber brackets, spiders and shoes.

WHEELBASE—146½", Platform—105"

ENGINE (Gasoline):

Model	EN 540, Thermodyne
Make	Mack
Number of cylinders	Six
Bore and stroke	9½" x 5½"
Piston displacement, cu. in.	540
Brake horsepower @ 2000 rpm. (gov.)	185
Max. torque @ 1300 rpm. Pound-feet	445

CLUTCH: (Mack)

Model	CJ-28, with Mack Vibrashock clutch plate
Type	Single-plate, dry
Outside dia. facing	17½"
Area of engagement, sq. in.	253

FUEL SYSTEM:

Carburetor	Zenith, updraft
Governor	Pleier, mechanical
Air cleaner	Donaldson, oil bath
Oil capacity	8 pints
Tank capacity & location	22 gal., left apron

COOLING SYSTEM:

Radiator, type	Continuous-finned, flat tube
Frontal area, sq. in.	700
Thermostat, to open	170°
Water capacity of system	60 quarts

ELECTRIC SYSTEM:

Voltage and capacity	12 V., 55 Amp.
Generator, make	Delco-Remy
Starting motor, make	Delco-Remy
Battery, make	Exide or Auto-Lite
Plates per cell	17 17
Amp. hrs. @ 20 hr. rate	120 120
Number required	Two (6 Volt)
Location	Right apron
With right step fuel tank	Right end, behind cab

TRANSMISSION: (Mack)

Model	TR 671
Type	Five-speed, direct
Ratios, 5th 1.00; 4th 1.29; 3rd 2.30; 2nd 4.35; 1st 8.05; Rev. 8.13	

DRIVESHAFTS:

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

FRONT AXLE: (Mack)

Model	FA 303
Type	Reversed-Elliott, I-beam

REAR AXLE: (Mack)

Model	RAS 507
Drive	Hypoid, Single reduction
Housing, construction	One-piece banjo, formed from tubular-steel, heat-treated
Axle shaft, material	Chromium-molybdenum steel, heat-treated
Carrier	CRS 84
Ratios	4.63, 5.14, 5.57, 6.17

BRAKES, AIR:

Size—Dia., width, lining thickness & lining area (sq. in.)

Front	10½" x 3" x ½" (204)
Rear	10½" x 6" x ¾" (424)
Hand	12" x 5" x ¾" (139)
Compressor	Tu-Flu 500 (12 cu. ft.)
Reservoir capacity	2253 cu. in. (total)

FRAME:

Material	Chrome-manganese steel, heat-treated
Side-members, size	9" x 3¼" x ½"
No. of cross-members & type	Three channel
Section modulus	9.76

SPRINGS:

Front, type	Semi-elliptic
Size, length (between load centers)	46"
width	3"
Leaf thickness	0.560" (8 leaves)
Suspension	Rubber Shock Insulators, front end; fixed pin, rear end
Rear, type	Vari-rate, semi-elliptic, with three-leaf radius rod
Size, length (between load centers)	39" no-load, 46" loaded
width	3"
Leaf thickness	0.447" (10 leaves 5 spacers)
Suspension	Cam type variable section brackets

SHOCK ABSORBERS—FRONT:

Type	Hendville, rotary-hydraulic
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TIRES:

Size	10.00-20 (T2P)
Rims	7.5

WHEELS:

Type	Cast, spoke
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STEERING GEAR:

Model	SG 251
Type	Worm and roller
Housing material	Aluminum
Ratio	24:1
Steering wheel diameter	22"

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