



B-67ST & B-673ST



SIX-WHEEL • CONTOUR-CAB • DIESEL • TRACTOR

OPERATING ADVANTAGES with respect to interchangeability of maximum trailers are afforded in the conventional type of tractor by these diesel-powered, six-wheel chassis having the Mack Contour Cab installed to improve the accommodation of flat-front trailers. Front bumper to center of cab back is 89".

INCREASED PROFITS are realized through greater efficiency. With one fifth wheel location the tractor legally accommodates maximum-length, flat-front trailers with 10" corner radius and with a range of king pin locations from 30" to 35". It will also accommodate trailers having a diagonal dimension of up to 50".

RELIABLE POWER from Mack's own Thermodyne naturally aspirated or turbocharged diesel engines combined with a wide choice of Mack proven transmissions and axles means better adaptability, lower cost per mile and less down-time. Single design and manufacturing control of these quality components have results in peak performance and dependability.

DRIVER EFFICIENCY and comfort has been given careful consideration so that driver's seat relationship to steering wheel, to pedals, and to controls is similar to that in the conventional cab. A sectionalized dash panel affords a completion of easy accessibility to the engine.

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MODELS B-67ST & B-673ST

STANDARD EQUIPMENT

Condensed Specifications

WHEELBASE — 146 $\frac{1}{2}$ " Platform — 133"

ENGINE, (Diesel):	B-67ST	B-673ST
Model.....	END 673	ENDT673
Make.....	Mack	Thermodyne
Type.....	Naturally aspirated	Turbocharged
Number of cylinders.....	Six	Six
Bore and stroke.....	4 $\frac{7}{8}$ " x 6"	4 $\frac{1}{2}$ " x 6"
Piston displacement, cu. in.....	672	672
Brake horsepower (@ 2100 r.p.m. (gov.).....	170	205
Max. torque (@.....	1200	1400-1600
Pound-feet.....	480	580
Oil filter, Luberfiner (by-pass).....	500X	272C
10 qts.....	10 qts.	7 qts.
Purifier (full flow).....	—	12 qts.
Oil cooler.....	—	Riser

CLUTCH (Mack):

Model.....	CL 28, with Mack Vibrasorb clutch plate
Type.....	Single-plate, dry
Outside dia., facing.....	14 $\frac{3}{8}$ "
Area of engagement, sq. in.....	233

FUEL SYSTEM:

Fuel injection pump, make.....	American Bosch
Timing (END 673).....	Synchromance
Governor.....	American Bosch mechanical
Air cleaner.....	Donaldson, oil bath
Oil capacity.....	4 quarts
Tank capacity and location.....	22 gal., left apron (not available)

COOLING SYSTEM:

Radiator, type.....	Continuous-infeed, flat tube
Frontal area, sq. in.....	580 (END 673)
.....	700 (ENDT 673)
Water capacity of system.....	48 quarts (END 673)
.....	52 quarts (ENDT 673)

ELECTRIC SYSTEM:

Voltage and capacity.....	12 V., 55 Amp. (24 V. starting)
Generator, make.....	Delco-Remy
Starting motor, make.....	Delco-Remy
Battery, make.....	Exide or Auto-Lite
Plates per cell.....	21 25
Amp. hr. @ 20 hr. rate.....	168 172
Number required.....	Four (6V)
Location.....	Two each side side rails, behind cab

TRANSMISSION (Mack):

Model.....	TRD G (Not available)
Type.....	Ten-speed, two-lever, Duplex

DRIVESHAFT:

Tube.....	3 $\frac{1}{2}$ ", 0.158" wall
Joints.....	Yoke type
Make & Size.....	Spicer, 1700 & 1600 (inter-axle)

FRONT AXLE (Mack):

Model.....	FA 505
Type.....	Reversed-Elliott, I-beam

BOGIE (Mack):

Model.....	SWDE 56
Bogie wheelbase.....	50"
Drive.....	Four-wheel straight through
Inter-axle differential.....	Mack concentric cam and plunger type Power Divider
Housing, construction.....	Pressed steel, fused, with permanently installed heat-treated wheel spindles
Axle shafts, material.....	Chromium-molybdenum steel, heat-treated
Carriers.....	CRDP 92 & CRD 93
Ratios.....	4.50, 5.13, 5.73, 6.34, 7.49
Brakes.....	Aluminum version

BRAKES, Air:

Size—Dia., width, lining thickness, lining area (sq. in.)	
Front.....	16 $\frac{1}{2}$ " x 5" x $\frac{1}{8}$ " (204)
Rear.....	16 $\frac{1}{2}$ " x 6" x $\frac{3}{8}$ " (828)
Hand.....	12" x 5" x $\frac{5}{8}$ " (139)
Compressor.....	Tu-Flo 500 (12 cu. ft.)
Reservoirs capacity.....	3050 cu. in. (total)

FRAME:

Material.....	Chrome-manganese steel, heat-treated
Side-members, size.....	9" x 5 $\frac{1}{4}$ " x $\frac{1}{4}$ "
No. of cross-members & type.....	Two channel, one cast integral with transition brackets
Section modulus.....	9.76

SPRINGS:

Front, type.....	Semi-elliptic
Size, length (between load centers).....	46"
width.....	5"
Leaf thickness.....	0.560" (11 leaves)
Rear, type.....	Semi-elliptic (inverted)
Size, length (between load centers).....	50 $\frac{1}{2}$ "
width.....	4"
Leaf thickness.....	0.625" (9 leaves)
Shot-peening.....	Tension side of main, second and third leaves
Suspension, Front.....	Rubber shock insulators, front end; fixed pin, rear end
Rear.....	Rubber insulator, underside; bearing plate, top side

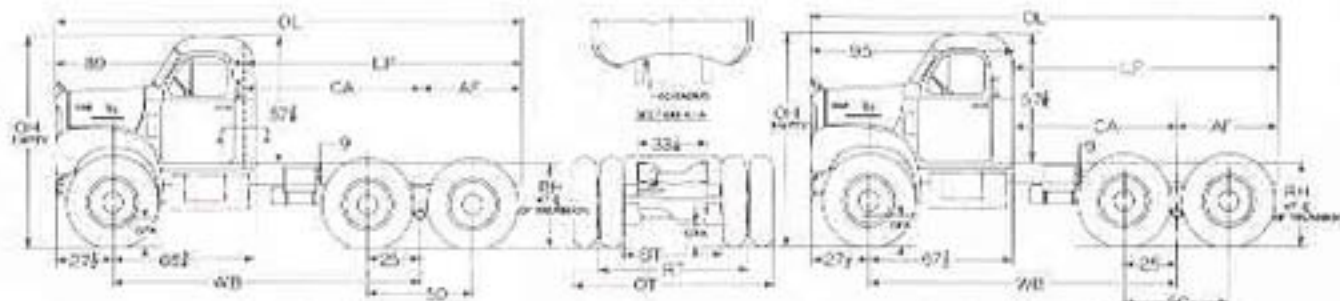
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CHASSIS DIAGRAM



Standard Cab, CA32

Optional Cab, CA212

WB	CA32 Cab		CA212 Cab		AF	OL	Turning Circle Dia. (Outer edge of tire) Approx.	
	LP	CA	LP	CA			Left	Right
146 1/2	133	85	127	79	48	222	58 ft.	52 ft.
164 1/2	151	103	145	97	48	240	64 ft.	58 ft.
170 1/2	157	109	151	103	48	246	67 ft.	61 ft.

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

TIRE SIZE	OH	GFA	Front Tread	RH	GRA	OT	RT	BT
	Approx.			Loaded				
10.00-20	94 1/4	9 1/2	74 1/4	38	8 1/4	95 1/4	71 1/4	47 1/4
10.00-22	95 1/4	10 1/4	73 3/4	39	9 1/4	95 1/4	71 1/4	47 1/4

Frame heights are subject to variations of 1/2 inch.

Represented by:

There being no annual series models of MACK products, refinements and improvements are effected whenever sound development and thorough trial prove them to be advantageous. The right is therefore reserved to change specifications or prices without notice. Illustrations are not necessarily a representation of standard specifications.

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