



## MODEL R-685T

- MACK MAXIDYNE DIESEL FUEL ECONOMY
- EXTRA ROOMY CAB INTERIOR
- VERTICAL ENGINE AND TILTING FRONT END FOR EASE OF MAINTENANCE
- MACK BUILT COMPONENTS

### STANDARD EQUIPMENT

<b>WHEELBASE</b> .....	<b>147"</b> (LP 105"; CA 72")
<b>ENGINE:</b> (MACK Diesel) .....	<b>ENDT 675, Maxidyne</b>
Type .....	Turbocharged, 6 cyl.
Bore and stroke .....	4 7/8" x 6"
<b>Piston displacement, cu. in.</b> .....	<b>672</b>
<b>Max. brake horsepower</b> .....	<b>237</b>
<b>Max. torque at 1200 rpm</b> .....	<b>906</b>
Lube oil filter (12 qts.) .....	Comb. full-flow by-pass
Air cleaner .....	Oil bath type
Radiator, frontal area, sq. in. ....	1000
Water capacity, qts. ....	62
Thermostat, to open .....	170°
Fuel pump (APE) .....	Multiple unit
<b>FUEL TANK</b> .....	<b>55 gal.</b> , right side, steel, rect., step
<b>ELECTRICAL SYSTEM:</b> Generator .....	<b>12 Volt, 55 Amp.</b>
Starting system .....	12 Volt
Batteries (Group 4 H) .....	(4) 6 Volt
Plates per cell, 23; Amp. hr. @ 20 hr. rate .....	170
<b>CLUTCH:</b> (MACK) .....	<b>CL50</b> (with clutch brake)
Type .....	Two-plate, dry, 14" O.D.
Area of engagement, sq. in. ....	416
<b>TRANSMISSION:</b> (MACK) .....	<b>TRL 107</b>
Type .....	Five-speed, direct
<b>DRIVESHAFT:</b>	
Make and size .....	Spicer; 1700 series
<b>FRONT AXLE:</b> (MACK) .....	<b>FA 534</b>

### FOUR WHEEL • MACK DIESEL • TRACTOR

<b>REAR AXLE:</b> (MACK) .....	<b>RAD 529</b>
Carrier .....	CRD 117
Ratios .....	4.00, 4.25, 4.62
<b>SPRINGS:</b> Semi-Elliptic	
Size .....	Front 54" x 3 1/2"      Rear 53 3/4" x 3"
Leaves, no. & thickness .....	12 @ .323"      6 @ .558"      2 @ .499"
<b>BRAKES:</b> Type .....	<b>Air</b>
Front .....	16 1/4" x 3" (204 sq. in.)
Rear .....	16 1/2" x 6" (414 sq. in.)
Parking .....	12" x 5" (139 sq. in.)
Air Compressor .....	Tu-Flo 500 (12 cu. ft.)
Air reservoir capacity .....	2235 cu. in. (approx.)
<b>WHEELS &amp; TIRES:</b>	
Wheels .....	Cast spoke
Tires .....	<b>10.00-20 (12P), 7.5 Rims</b>
<b>STEERING GEAR:</b> Model .....	<b>SG 46</b>
Steering wheel diameter; ratio .....	22"; 28.14:1
<i>SG 46 available only with FA 534 &amp; FA 535</i>	
<b>FRAME:</b> Size .....	<b>9" x 3 1/4" x 1/4"</b>
Material .....	Chrome-manganese steel, heat-treated
Section Modulus .....	9.76
Resisting bending moment .....	878,400 in. lbs. per rail
<b>CAB:</b> (MACK) .....	<b>CA 36</b>
Type (103" BBC) .....	Conventional, two-man
<b>STANDARD CHASSIS WEIGHT (LBS.):</b> Est.	
Front 6,020; Rear 4,165; Total 10,185	

### CHASSIS EQUIPMENT

Air intake system, outside—underhood	Low air pressure indicator, buzzer	Tachometer, single hand
Automatic radiator shutters	Magnetic drain plugs (TRL 107)	Towing Eyes
Automatic reset circuit breakers	Rear view mirrors, two, West Coast type (black enamel finish)	Trailer conn., semi-trailer
Bumper, flush type	Reflectors, one each side, cab rear	Turn signals, front (with 4-way flasher)
Cab roof vent, two-way	Seat belt anchors	Underframe exhaust
Cab step, left side	Shock absorbers, front	Voltmeter
Headlights and parking lights	Steering column, adjustable	Wheel wrench and handle
Hood & fenders, unitized fiberglass (tilts forward)	Stop and tail light, dual	Windshield glass, Solex
Horn, electric, single tone	Sun visor, left side	Windshield wipers, air, dual, single motor
I.C.C. & Marker lights		1968 Federal Safety Package

**MACK TRUCKS, INC.**

## OPTIONAL EQUIPMENT

## MODEL R-685T

**WHEELBASE** .....165", 182"  
(See dimensional chart for LP & CA)

### FRONT AXLE: (MACK)

FA 535 .....Springs, (11) .360"  
FA 532 .....Springs, (13) .360"

Note: FA 532 requires SG 261 steering gear.

Springs, Optional FA 534 .....(10) .323"  
FA 535 .....(12) .323"  
FA 532 .....(11) .360"  
Springs, Heavy Duty FA 532 .....(14) .360"

### REAR AXLE: (MACK)

RAD 5291 CRD 117 .....Same as std. RAD 529  
RAD 533 CRD 119 .....4.60  
RAD 606 CRD 118 .....Same as RAD 533

RAD 533 or RAD 606 required when GCW exceeds 72,000 lbs.

### SPRINGS: (Rear)

\*Heavy Duty .....9 leaves @ .558"  
\*Standard for RAD 606  
Heavy Duty (RAD 606) .....11 leaves @ .558"  
Helper springs (36" x 3") .....8 leaves @ .291"

### BRAKES: (MACK)

FA 535, FA 532 .....16 1/2" x 4" (276)  
RAD 5291, RAD 533, RAD 606 .....16 1/2" x 7" (476)

### STEERING GEAR: (MACK)

SG 261 .....32.5:1 ratio, 22" wheel diameter  
Note: Not available with FA 534, FA 535.

**FRAME:** Reinforcement .....1/4" Inside Channel  
Section Modulus .....17.72  
Resisting bending moment .....1,594,800 in. lbs. per rail

### ELECTRICAL SYSTEM:

Starting .....24 Volt  
Alternator .....12 Volt, 60 Amp. (heavy-duty)  
Alternator .....12 Volt, 85 Amp. (heavy-duty)

### WHEELS & TIRES:

Disc (7.5 Rims) .....Aluminum or \*Hi Tensile  
(8.0 Rims) .....Steel  
Tires and Rims .....10.00-22 (12P); 7.5  
\*Specify Budd or Firestone 11.00-20 or 11.00-22 (12P); 8.0

### FUEL TANK: (gallons)

Steel, rect., step .....55, left side  
Steel, rect., step .....70, left side  
Steel, rect., step .....85, left side  
Fuel tanks also available in aluminum in place of steel.

### CHASSIS EQUIPMENT

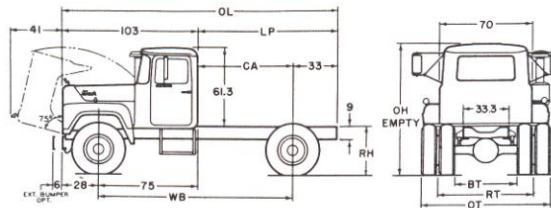
Air reservoir, isolated for spring-loaded brakes  
Air starting  
Automatic drain valve  
Brake, alcohol evaporator  
Break-away safety valve  
Bumper, extended type (steel)  
Cab air conditioner  
Cab heater and defroster, 37,500 btu  
Cab step, right side  
Chrome plated turn signals

Chrome plated W.C. rear view mirrors  
Differential, Mack Power Divider for Dual Reduction rear axles  
Driver's Seat—Bostrom, West Coaster or Viking T-bar; General, #107; American Metal, Unison Action  
Engine water filter, Perry  
Exhaust brake  
Front wheel brake limiting valve

Hand control valve  
Horn, air, twin or single  
Horn, electric, dual tone  
Hubodometer  
Hydraulic jack, 8- or 12-ton  
Power steering  
Pyrometer, exhaust  
Radiator guard, plate type (with ext. bumper only)  
Seat belts

Spring loaded parking brake, incl. warning light in cab (with or w/o std. driveshaft brake)  
Sun visor, right side  
Tachograph (RPM and/or MPH)  
Turn signals, rear (loose)  
Vertical exhaust  
Wig-wag low air pressure indicator  
Window power lift, right side  
Windshield washers

Specifications subject to change without notice. Illustrations are not necessarily a representation of standard specifications.



WB	LP	CA	OL	Turning Circle Dia. (Outer edge of tire) Est.	
				Right	Left
147	105	72	208	51 ft.	51 ft.
165	123	90	226	53 ft.	53 ft.
182	140	107	243	60 ft.	60 ft.

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

TIRE SIZE	OH	RH		Front Tread	OT	RT	BT
		Approx.	Loaded				
10.00-20	98.8	41.2	37.5	76.9	95.3	71.4	47.5
10.00-22	99.7	42.2	38.5	76.9	95.3	71.4	47.5
11.00-20	99.2	41.8	38.1	76.4	96	71.1	46.3
11.00-22	100.2	42.7	39.1	76.3	96	71.1	46.3

Frame heights are subject to variations: 1" empty, 1/2" loaded.

**MACK TRUCKS, INC.**  
Allentown, Pa.  
"The Truck Capital of the World"