



MODEL

R-685ST

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

STANDARD EQUIPMENT

| | |
|---|---|
| WHEELBASE | 147" (LP 120"; CA 72") |
| ENGINE: (MACK Diesel) | ENDT 675, Maxidyne |
| Type | Turbocharged, 6 cyl. |
| Bore and stroke | 4 7/8" x 6" |
| Piston displacement, cu. in. | 672 |
| Max. brake horsepower | 237 |
| Max. torque at 1200 rpm | 906 |
| 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 |
| FUEL TANK | 55 gal. , right side, steel, rect., step |
| ELECTRICAL SYSTEM: Generator | 12 Volt, 55 Amp. |
| Starting system | 12 Volt |
| Batteries (Group 4H) | (4) 6 Volt |
| Plates per cell, 23; Amp. hr. @ 20 hr. rate | 170 |
| CLUTCH: (MACK) | CL50 (with clutch brake) |
| Type | Two-plate, dry, 14" O.D. |
| Area of engagement, sq. in. | 416 |
| TRANSMISSION: (MACK) | TRL 107 |
| Type | Five-speed, direct |
| DRIVESHAFT: | |
| Make and size | Spicer; 1700 series |
| FRONT AXLE: (MACK) | FA 534 |

SIX WHEEL • MACK DIESEL • TRACTOR

| | | |
|--|--------------------------------------|-------------|
| BOGIE: (MACK) | SWDL 56 | |
| Carriers (Dual Reduction) | CRDPC92 & CRD93 | |
| Ratios | 4.17, 4.50 | |
| SPRINGS: | Front | Rear |
| Size | 54" x 3 1/2" | 50" x 4" |
| Leaves, no. & thickness | 12 @ .323" | 9 @ .625" |
| BRAKES: Type | Air | |
| Front | 16 1/4" x 3" (204 sq. in.) | |
| Rear | 16 1/2" x 6" (828 sq. in.) | |
| Parking | 12" x 5" (139 sq. in.) | |
| Air Compressor | Tu-Flo 500 (12 cu. ft.) | |
| Air reservoir capacity | 3000 cu. in. (approx.) | |
| WHEELS & TIRES: | | |
| Wheels | Cast spoke | |
| Tires | 10.00-20 (12P), 7.5 Rims | |
| STEERING GEAR: Model | SG 46 | |
| Steering wheel diameter; ratio | 22"; 28.14:1 | |
| <i>SG 46 available only with FA 534 & FA 535</i> | | |
| FRAME: Size | 9" x 3 1/4" x 1/4" | |
| Material | Chrome-manganese steel, heat-treated | |
| Section Modulus | 9.76 | |
| Resisting bending moment | 878,400 in. lbs. per rail | |
| CAB: (MACK) | CA 36 | |
| Type (103" BBC) | Conventional, two-man | |
| STANDARD CHASSIS WEIGHT (LBS.): Est. | | |
| Front 6,045; Rear 6,980; Total 13,025 | | |

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 | Trailer conn., semi-trailer |
| Bumper, flush type | (black enamel finish) | Turn signals, front (with 4-way flasher) |
| Cab roof vent, two-way | Reflectors, one each side, cab rear | Underframe exhaust |
| Cab step, left side | Seat belt anchors | Voltmeter |
| Headlights and parking lights | Shock absorbers, front | Wheel wrench and handle |
| Hood & fenders, unitized fiberglass (tilts forward) | Steering column, adjustable | Windshield glass, Solex |
| Horn, electric, single tone | Stop and tail light, dual | Windshield wipers, air, dual, single motor |
| I.C.C. & Marker lights | Sun visor, left side | 1968 Federal Safety Package |

MACK TRUCKS, INC.

OPTIONAL EQUIPMENT

MODEL R-685ST

WHEELBASE 165", 183"
(See dimensional chart for LP & CA)

FRONT AXLE: (MACK)

FA 535 Springs, (11) .360"
FA 532 Springs, (13) .360"
FA 5341, FA 5351, FA 5321 *No brakes

Note: FA 532 requires SG 261 steering gear.
*Customer responsibility

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

BOGIE: (MACK) same as except for

SWDL 561 SWDL 56 7" brakes
SWDL 563 SWDL 56 Rockwell-Standard 6" brakes
SWDL 564 SWDL 56 Rockwell-Standard 7" brakes
SWDL 75 SWDL 56 Inverted Camel-back springs
SWDL 751 SWDL 75 7" brakes
SWD 75 SWDL 75 Rockwell-Standard 6" brakes
SWD 751 SWDL 75 Rockwell-Standard 7" brakes
SWD 57 SWDL 56 Trunnion bracket
SWD 5701 SWD 57 7" brakes
SWD 573 SWD 57 Cast steel axle housing
SWD 5731 SWD 573 7" brakes

SPRINGS: (SWDL 75, SWD 75) 50" x 4"; 8 leaves @ 0.625"
55" x 4"; 10 leaves @ 0.625"

SPRINGS: (SWD 57) 50" x 4"; 10 leaves @ 0.788"
55" x 4"; 11 leaves @ 0.788"

HEAVY DUTY SPRINGS: SWDL 56—8 leaves @ 0.788"
Carriers and ratios same as standard

BRAKES: (MACK)

FA 535, FA 532 16 1/2" x 4" (276)
SWDL 75, SWD 57, 573 16 1/2" x 6" (828)
SWDL 561, SWDL 751,
SWD 5701, 5731 16 1/2" x 7" (952)

BRAKES: (Rockwell-Standard, Stopmaster)

SWDL 563, SWD 75 15" x 6" (754)
SWDL 564, SWD 751 15" x 7" (880)

Rockwell-Standard brakes include automatic brake adjustment, four spring load, fail-safe auxiliary brake units per bogie, STANDARD drive-shaft brake omitted.

STEERING GEAR: (MACK)

SG 261
Wheel diameter; ratio 22"; 32.5:1

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
Tires and Rims 10.00-22 (12P), 7.5
*Specify Budd or Firestone

FUEL TANKS: (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

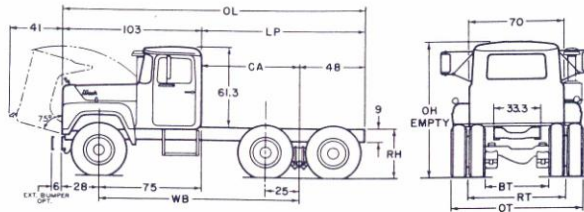
Air reservoir, isolated for spring-loaded brakes
Air starting (not available on 147" WB with 55 gal. right side fuel tank)
Automatic drain valve
Bogie spacing, 35"
Brake, alcohol evaporator
Break-away safety valve
Bumper, extended type (steel)
Cab air conditioner

Cab heater and defroster, 37,500 btu
Cab step, right side
Chrome plated turn signals
Chrome plated W.C.
rear view mirrors
Driver's Seat—Boström, 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 | 120 | 72 | 223 | 56 ft. | 56 ft. |
| 165 | 138 | 90 | 241 | 61 ft. | 61 ft. |
| 183 | 156 | 108 | 259 | 66 ft. | 66 ft. |

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

| TIRE SIZE | OH | | RH | | Front Tread | OT | RT | BT |
|-----------|---------|-------|--------|--------|-------------|------|------|----|
| | Approx. | Empty | Loaded | Loaded | | | | |
| 10.00-20 | 98.8 | 39.8 | 37.9 | 76.9 | 95.3 | 71.4 | 47.5 | |
| 10.00-22 | 99.7 | 40.7 | 38.8 | 76.9 | 95.3 | 71.4 | 47.5 | |

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

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