

## STANDARD SPECIFICATIONS

(Based on Model RD694P, 4x2 Truck)

### ENGINE: MACK, EM5-250

Horsepower, 250 [186 kW] @ 2000 Gov'd. RPM  
Peak Horsepower, 260 [194 kW] @ 1800 RPM  
Torque, 975 lb./ft. [1 322 N·m] @ 1150 RPM  
Lube Oil System, Full Flow Disposable Filter  
Service Interval 15,000 miles [24 140 km]  
Flywheel Housing, Aluminum  
Silicone Hoses and Tubing on Engine  
Air Compressor, 13.2 cfm [6.3 l/s] min. rtg. (Holset Q296)  
Engine Brake, Jacobs  
Electrical: 12 Volt Starter  
Batteries: (3) Bulldog 12-Volt M/F Type, 625 CCA  
Total 1875 CCA  
Alternator, 12V 100A, Delco 21SI  
Air Intake System:  
Air Cleaner, 13" [330 mm] Single Element  
Dry Type, External Cowl Mounted  
Air Restriction Monitor, Grad. Lock-Up Type (Air Cleaner Mtd.)  
Exhaust, Vertical w/Heat Shield  
Cooling System: Shutterless Type  
Radiator, 1,000 sq. in. [6 452 cm<sup>2</sup>] Frontal Area  
Anti-Freeze to -10°F [-23°C]  
Fan Drive, Viscous  
Hoses, Heater & Radiator, Silicone  
Coolant Conditioner, Spin-On Disposable

### CLUTCH: SPICER, CL751

14" [356 mm] Ceramic  
Dampened Disc, 2-Plate, Coaxial Spring

### TRANSMISSION: MACK, T2060C

6 Speed, Ratios: 9.02 Low, 0.67 High  
P.T.O. Side Gears (RH & LH)  
Driveline: Dana (Spicer) 1710HD  
w/Coated Splines

### CAB: MACK CONVENTIONAL, CA49

#### Interior Features:

Trim Level II: Color, Silver Gray  
Adjustable Steering Column  
Air Conditioner (Red Dot) with Integral Heater  
w/R134a Refrigerant

#### Seats:

Driver's Bostrom Talladega 914 (Mid-Back)  
Riders, Non-Suspension (Mid-Back)  
Seat Belts - Driver's and Rider's  
Lap & Shoulder w/Seat Belt Retractor  
& "Komfort Latch"

Overhead Console Including:  
Location for Optional Radio

Ash Tray  
Cigar Lighter  
CB - 5-Way Binding Posts  
Coat Hook  
Dispatch Box  
Dome Light w/Self-Contained Switch  
Steering Wheel, 18" Dia. 2-Spoke  
Sun Visor - LH & RH  
Floor Mats, Rubber w/Closed Cell Vinyl  
Nitrile Backing

# MACK

## RD694P

## CHASSIS



- Lightweight Construction Chassis
- Conventional Chassis
- 4-Wheel Truck
- 79" [2 007 mm] Front Axle to Back-of-Cab

The *RD694P Lightweight Construction Chassis*, featuring the MACK E5 10 liter engine, is a 4 x 2 truck that has the load capacity for the toughest of jobs. Ideally suited for medium-duty construction, municipal and utility service applications. Axle capacities available are up to an 18,000 lb. [8 165 kg] front and a 30,000 lb. [13 608 kg] single rear. An integral front frame extension is available for snow plow attachments. The chassis can also be tailored for weight savings without sacrificing integrity. The RD694P meets the demands of today with unmatched durability and reliability.

### STANDARD

**ENGINE:** MACK EM5-250  
260 HP [194 kW] Peak Horsepower

**TRANSMISSION:** MACK T2060C  
6 Speed, Overgear

**FRONT AXLE:** MACK FAW12  
12,000 lb. [5 443 kg] Capacity

**REAR AXLE:** MACK RA23  
23,000 lb. [10 433 kg] Capacity  
Suspension: Multi-leaf Spring



Mack Trucks, Inc., Allentown, Pennsylvania  
[www.macktrucks.com](http://www.macktrucks.com)



**STANDARD SPECIFICATIONS**

(Continued)

**CAB:** continued

Interior Features: Operational  
T.M.C. Recommended Instrument Panel  
Air Pressure Gauge  
Voltmeter  
Fuel Level Gauge  
Engine Oil Pressure  
Engine Coolant Temperature Gauge  
Low Air Pressure Indicator (Light and Buzzer)  
Speedometer/Trip Odometer, Electronic  
Tachometer w/Hourmeter, Electronic  
High Beam Indicator  
Parking Brake "On" Indicator  
Hand Throttle Control  
Key Type Starting and Shutoff  
Courtesy Light Switch (Head and Clearance)  
Directional Signal Switch, Manual Cancelling

Exterior Features:  
Welded Steel Shell Galvanized  
MACK Rust Preventative Procedures  
Tinted Safety Glass; Windshield, Side & Rear  
Vents (Screened)  
Cowl - LH One Way Type  
Upper Fresh Air Inlet for Heater  
Roof - Two Way Type  
Windshield Wipers: 2 Speed Electric Dual Arms  
w/Arm Mtd. Washers (Elec.),  
w/5 qt. [4.7 L] Reservoir  
Mirrors, West Coast Bulldog Br. Finish, RH & LH  
w/Stainless Steel Arms & Brks.  
Cab Step RH - Frame Mtd.  
Daytime Running Lights  
Identification & Clearance Lamps (5)  
Side Markers, Lamps and Reflectors  
Horns, MACK Rectangular Single Trumpet  
Air Horn and Electric Single-Tone  
Doors, Galvanized Steel w/Roll-Up Windows  
and Vent Windows  
Grab Handles (Stainless Steel), RH & LH Behind Door  
Cab Mounting: Trunnion Front, Air Suspended Rear

**HOOD & FENDERS: FIBERGLASS**

One Piece Molded from Thermo Plastic Olefin  
w/ Frame Mtd. Fender  
Fender Extensions  
Tilts Forward 75°  
Grille, Hood Mtd., Metal, Argent Silver  
Headlamps, Halogen, Single Rectangular w/Lexan  
Lens (Replaceable Bulb)  
Front Turn Signals Fender Mtd.  
Transistorized Flasher (Grotronic 12-44690)

**FRAME:**

Low Alloy Heat Treated Steel, 110,000 psi [759 MPa]  
Cross Section: 10.625" x 3.25" x .313" [270 x 83 x 8 mm]  
Section Modulus 14.27 in.<sup>3</sup> [233.8 cm<sup>3</sup>]  
RBM (per rail) 1,570,000 lbs. in. [177,000 N·m]  
WHEELBASE: 163" [4,140 mm]  
LOAD PLATFORM: 138" [3,505 mm]  
CAB TO AXLE: 84" [2,134 mm]  
AFTERFRAME: 54" [1,372 mm]  
BUMPER: Steel, Swept Back Channel  
92.6" x 10" [2,352 x 254 mm], Extended Mtg.  
Bumper to Back of Cab: 117" [2,972 mm]  
Towing, Eyes

**FUEL TANKS:**

Single 55 gal. [208.2 L] LH Mounted  
Steel, 24" [610 mm] Dia., Step Type

**FRONT AXLE: MACK, FAW12**

12,000 lb. [5,443 kg] capacity  
Suspension: MACK Taperleaf w/Shock Absorbers  
12,000 lb. [5,443 kg] Ground Load Rating  
34.5" [876 mm] Spring Center  
Oil Seals Chicago Rawhide  
Brakes, "S" Cam 16.5" x 5" [419 x 127 mm]  
Meritor "Q" Brakes w/o Dust Shields  
Slack Adjusters, Haldex Automatic  
Steering: Ross or Sheppard Integral Power  
Wheel Equipment: 8.25" [210 mm] Rim,  
Cast Spoke Wheel

**REAR AXLE: MACK, RA23**

23,000 lb. [10,433 kg] Capacity  
Carrier: Malleable, CRD93A Ratio: 5.32  
Suspension: MACK Multileaf Spring  
23,000 lb. [10,433 kg] Ground Load Rating  
Oil Seals Chicago Rawhide  
Brakes, "S" Cam 16.5" x 7" [419 x 178 mm]  
Meritor "Q-Plus" Brakes w/o Dust Shields  
Slack Adjusters, Haldex Automatic  
Auxiliary Spring Brake Chambers, MGM  
30/30 Double Diaphragm Type  
Mechanical Spring Release, 2 Units  
Wheel Equipment: 8.25" [210 mm] Rim,  
Cast Spoke Wheel

**TIRES: FRONT (singles) & REAR (duals)**

Goodyear Unisteel G159  
11R22.5, 14 Ply

**AIR/BRAKE:**

ABS (Anti-Lock Brake System)  
Dual Air Brake System  
Air Reservoirs: 2, 1 Supply Tank Mounted Inside LH  
Frame Rail and 1 Dual Tank Compartment Primary/  
Secondary Tank Mounted Under LH Frame Rail  
Capacity: 3,015 in.<sup>3</sup> [39.4L]  
Air Dryer, Bendix AD-9, Heated

**ELECTRICAL:**

2 Battery Boxes & Covers, Painted Steel  
Chassis Electrical: Negative Ground; 12V  
Electrical Circuits and Bulbs; Fuse Protected  
Circuits; Breaker Protected Headlamps and  
Windshield Wiper Circuits; Rear Lighting,  
2 Combination Stop, Tail Directional & Back-Up  
Lights

**PAINT:**

Cab, Hood and Fenders:  
Color: MACK White, High Gloss  
Chassis Running Gear:  
Color: MACK Black (Urethane)

**CHASSIS WEIGHT: (Estimated)**

Front: 7,003 lbs. [3,177 kg]  
Rear: 4,088 lbs. [1,854 kg]

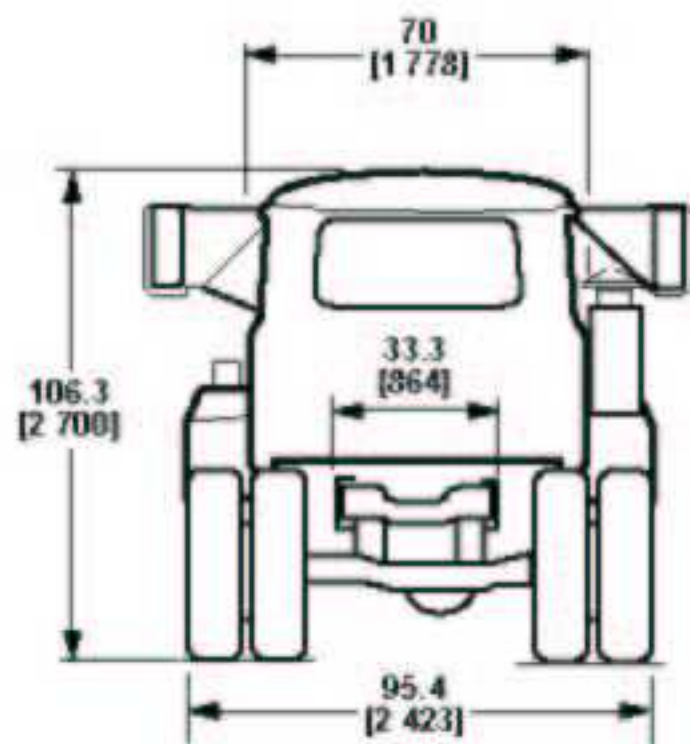
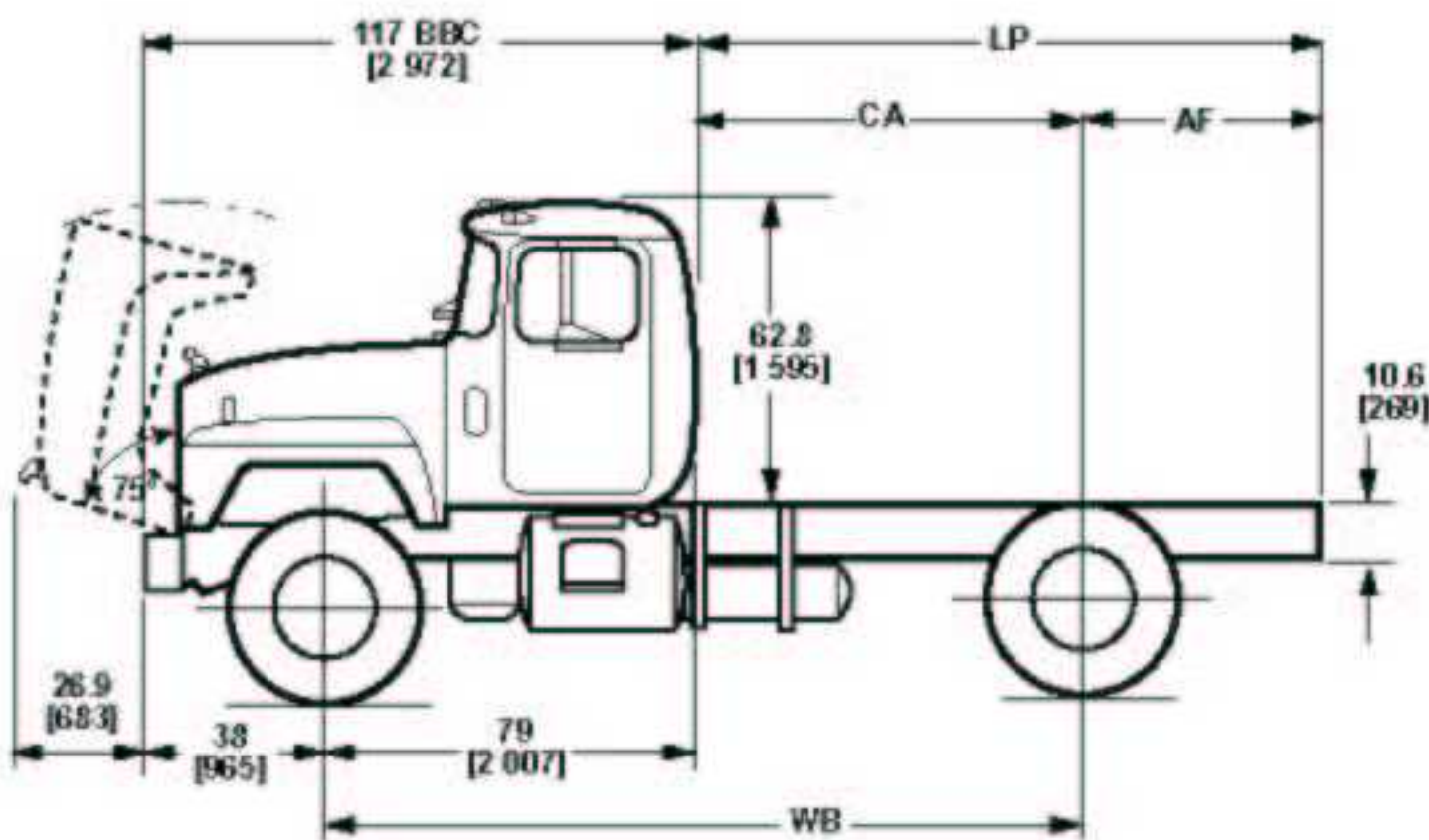


## OPTIONAL EQUIPMENT

ENGINES	
MODEL	*HORSEPOWER @ GOV'D. RPM
<b>MACK</b>	
EM5-250	250 HP [186 kW] @ 2000 260 HP [194 kW] @ 1600 to 1800
EM5-290	290 HP [216 kW] @ 2000 300 HP [224 kW] @ 1600 to 1800

\*Italics = Peak horsepower other than gov'd. RPM

TRANSMISSIONS		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
<b>MACK</b>		
T2050C	5	5.24/0.67
T2060C	6	9.02/0.67
T2070C	7	14.16/0.67
T2070D (Multi-Reverse)	7	14.16/0.67
T2080C	8	20.08/0.67
T2080D (Multi-Reverse)	8	20.08/0.67
<b>FULLER</b>		
TX-14607B	7	9.24/0.75
RTXF-11609B	9	12.57/0.73
RTOF-11908LL	9	14.56/0.74



AXLES		
CAPACITY	MAKE	MODEL
<b>FRONT AXLES</b>		
12,000 lb. [5 443 kg]	MACK	FAW12
14,300 lb. [6 486 kg]	MACK	FAW14.3
18,000 lb. [8 165 kg]	MACK	FAW18
<b>SINGLE REAR AXLES</b>		
21,000 lb. [9 526 kg]	MERITOR	RS-21-145
23,000 lb. [10 433 kg]	MACK	RA23
	MERITOR	RS-23-160/161/186
30,000 lb. [13 608 kg]	MACK	RA30



## OPTIONAL EQUIPMENT

(Continued)

### FRAME:

#### Standard Frame w/ Optional Reinforcement

.24 [6 mm] Steel Inside Channel Reinforcement  
Section Modulus: 23.60 in.<sup>3</sup> [387 cm<sup>3</sup>]  
Resisting Bending Moment, RBM: 2,600,000 lbs. in. [294 000 N·m]

#### 20" [508 mm] Front Frame Extension for Snow Plow Mount (Continuation of Parent Frame)

Frame Included w/20" Extension:  
Rail Dimensions: 10.62" x 3.25" x .375" [270 x 83 x 8 mm]  
Section Modulus: 14.39 in.<sup>3</sup> [236 cm<sup>3</sup>]  
Resisting Bending Moment, RBM: 1,580,000 lbs. in. [179 000 N·m]  
w/.25" [6 mm] Steel Inside Channel Reinforcement:  
Section Modulus: 23.79 in.<sup>3</sup> [390 cm<sup>3</sup>]  
Resisting Bending Moment, RBM: 2,620,000 lbs. in. [296 000 N·m]

#### Wheelbase Availability

163" [4 140 mm] to 275" [6 985 mm]

### CAB, INTERIOR TRIM LEVELS:

Trim Level I: Silver Gray Appealing Low Maintenance Interior  
Trim Level II: Silver Gray Vinyl Type Interior with Padded and Carpeted Door Panels

### FUEL TANKS: Left Hand or Right Hand Mounted

#### 20" [508 mm] Diameter, Aluminum:

Capacities - Gal.[L]: 40 [151], 50 [189], 60 [227]

#### 24" [610 mm] Diameter, Aluminum or Steel:

Capacities - Gal.[L]: 45 [170], 55 [208], 75 [284], 95 [360], 110 [416], 130 [492]

### OTHER OPTIONAL EQUIPMENT:

Air Cleaner, Inline Pre-Cleaner  
Air Compressor Options  
Air Horns  
Air Reservoirs, Aluminum  
Air Reservoir, Increased Air Capacity  
All Hose Chassis  
Auxiliary Power Supply  
Back-Up Alarm  
Battery Box Cover, Aluminum  
Battery Disconnect Switch  
Battery Options  
Body Power Cable  
Brake Equipment Options  
Bright Finish Equipment  
    Air Reservoirs  
    Battery Box Covers  
    Bumper  
    Exhaust Systems  
    Fuel Tank Steps & Straps  
    Grille  
    Mirrors and Brackets  
    Radiator Guard  
    Turn Signals, Front  
    Wheels, Disc  
    Wheel Nuts  
Bug Screen  
Bumper Options  
CB Radio Options  
Cab Accessories  
Cab Heater, High Performance  
Chassis Keyed Alike  
Coolant Protection to -40°F  
Crankshaft Adapter (FEPTO)  
Crossmember Options  
Drain Valve, Automatic

Driveline, Increased Size  
Electrical Circuit Breakers  
Electrical Connections, Waterproofed  
Electrical (Engine):  
    Starter Options  
    Alternator Options  
Engine Cold Starting Aids  
Engine Heaters  
Engine Monitoring & Shutdown Systems  
Exhaust Options  
Fan Drive Options  
Fog/Driving Lights  
Frame Extensions, Front  
Frame Rail Clearances  
Fuel-Water Separator  
Gauges:  
    Air Application  
    Axle Oil Temperature  
    Engine Oil Temperature  
    Exhaust Pyrometer  
    Manifold Pressure  
    Transmission Oil Temperature  
Headlamp Options  
Hood, Inspection Hatches  
Hubodometer  
Identification/Clearance Light Options  
Inside/Outside Air Intake  
Interwheel Power Divider  
Inversion Valve, Spring Brakes  
Mirror Options  
Paint Designs (Cab & Hood)  
Power Steering Options  
Power Take-Off Options  
Power Window, RH Door  
Radiator Guard, Plate Type

Radiator Shutters  
Radio Options, Stereo/Cassette  
Rain Cap, Exhaust  
Rear Axle Carrier Options  
Seat Options, Driver & Rider  
Spotlight, Cab Mounted  
Sun Visor, Exterior  
Suspension, Front Axle:  
    Taperleaf or Multileaf  
    Spring Build-Up for Snow Plow  
Suspension, Rear Axle:  
    Helper or Anti-Sway Springs  
Synthetic Lubricants  
Tires  
Trailer Access Packages  
Trailer Connection Packages &  
    Accessory Options  
Trailer Hook-Up Lamp  
Transistorized Flashers  
Tow Hooks, Rear  
Windshield Wiper Options  
Wheel Equipment:  
    Spoke, Steel or Aluminum Disc  
    Hub & Drum Equipment  
Wheel Flaps  
Wheel Seals

OTHER COMPONENT OPTIONS  
MAY BE AVAILABLE UPON REQUEST.