

STANDARD SPECIFICATIONS

(Based on Model RD694S, 6x4 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 cm²] 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 Main and
1710HD Interaxle 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

RD694S

CHASSIS



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

The *RD694S Lightweight Construction Chassis*, featuring the MACK E5 10 liter engine, is a 6 x 4 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 40,000 lb. [18 144 kg] tandem 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 RD694S 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 SS38
38,000 lb. [17 239 kg] Capacity
Suspension: Camelback Spring,
Anti-Sway Type

Mack Trucks, Inc., Allentown, Pennsylvania
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 & Brkts.
 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.³ [233.8 cm³]
 RBM (per rail): 1,570,000 lbs. in. [177 000 N·m]
 WHEELBASE: 210" [5 334 mm]
 LOAD PLATFORM: 196" [4 978 mm]
 CAB TO AXLE: 131" [3 327 mm]
 AFTERFRAME: 65" [1 651 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, SS38

38,000 lb. [17 237 kg] Capacity
 Carrier: Malleable, CRDPC92/CRD93 Ratio: 6.06
 Suspension: MACK Camelback Spring, Anti-Sway Type
 38,000 lb. [17 237 kg] Ground Load Rating
 50" [1 270 mm] Axle Wheelbase
 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, 4 Units, 2 per Axle
 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 Outside LH
 Frame Rail and 1 Dual Tank Compartment Primary/
 Secondary Tank Mounted Under LH Frame Rail
 Capacity: 5,961 in.³ [97.6 L]
 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 Headlamp 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)

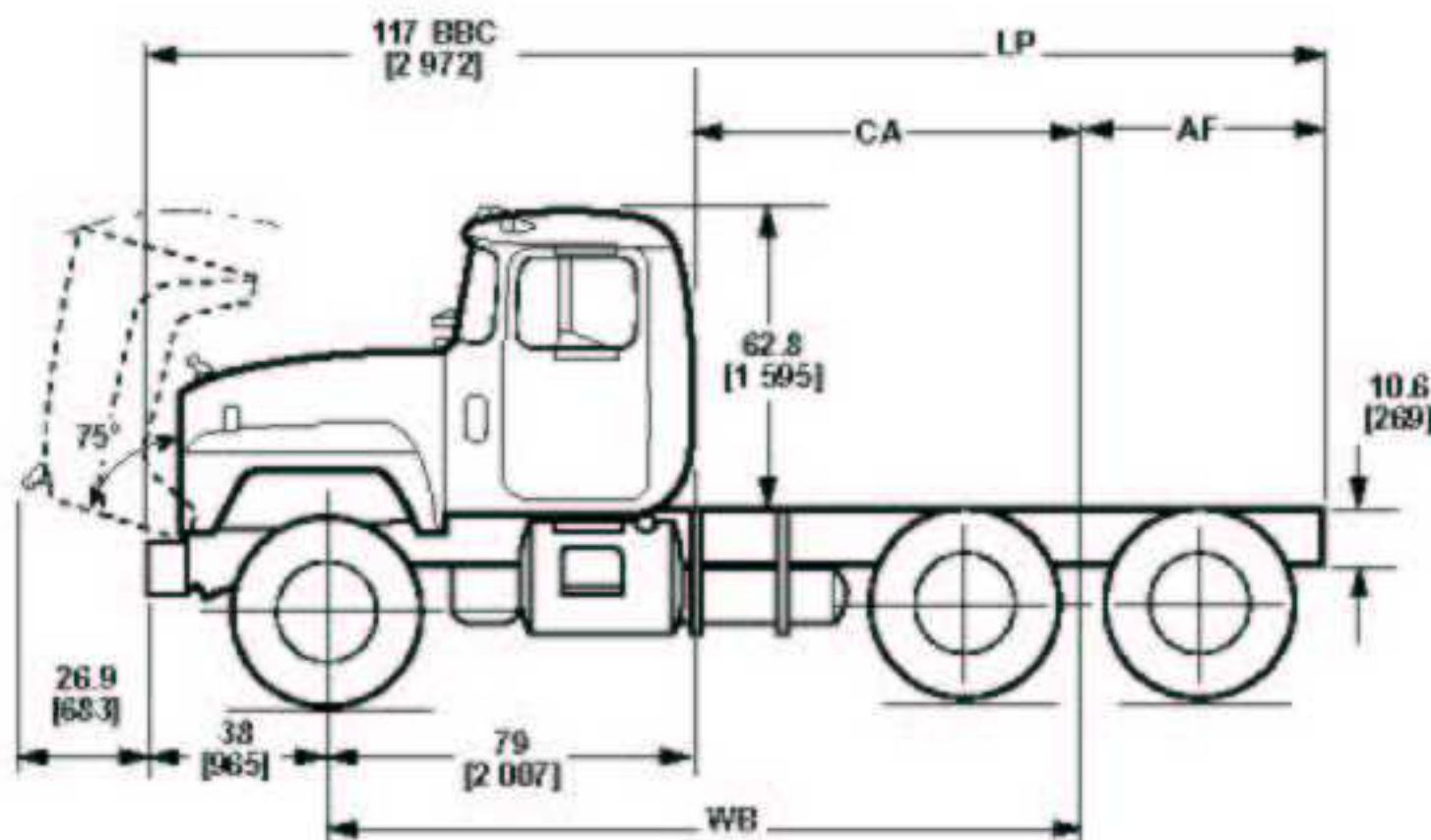
CHASSIS WEIGHT: (Estimated)

Front: 7,998 lbs. [3 628 kg]
 Rear: 7,377 lbs. [3 346 kg]

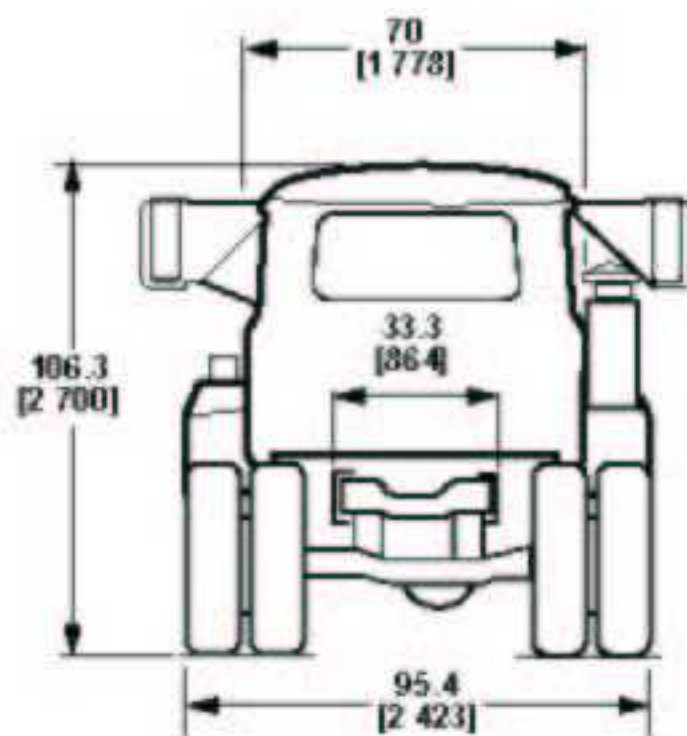
OPTIONAL EQUIPMENT

ENGINES	
MODEL	*HORSEPOWER @ GOV'D. RPM
MACK	
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



[] = mm



TRANSMISSIONS		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
MACK		
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
FULLER		
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
FRONT AXLES		
12,000 lb. [5 443 kg]	MACK	FAW12
14,300 lb. [6 486 kg]	MACK	FAW14.3
14,800 lb. [6 623 kg]	MERITOR	FG 941
18,000 lb. [8 165 kg]	MACK	FAW18
20,000 lb. [9 072 kg]	MACK	FAW20
	MERITOR	FLW941
TANDEM REAR AXLES		
34,000 lb. [15 422 kg]	MACK	S34
38,000 lb. [17 237 kg]	MACK	S38 SB38
	MACK	SB38* S40
40,000 lb. [18 144 kg]	MACK	SB38* S40
	EATON	DS405(P)

RD694S CHASSIS

OPTIONAL EQUIPMENT

(Continued)

FRAME:

Standard Frame w/ Optional Reinforcement

.24 [6 mm] Steel Inside Channel Reinforcement
Section Modulus: 23.60 in.³ [387 cm³]
Resisting Bending Moment, RBM: 2,600,000 lbs. in. [294 000 N·m]

Optional .375" Frame without Reinforcement

Rail Dimensions: 10.75" x 3.25" x .375" [273 x 83 x 10 mm]
Section Modulus: 16.98 in.³ [278 cm³]
Resisting Bending Moment, RBM: 1,870,000 lbs. in. [211 000 N·m]

Optional .375" Frame with Reinforcement

.24" [6 mm] Steel Inside Channel Reinforcement
Section Modulus: 26.06 in.³ [426 cm³]
Resisting Bending Moment, RBM: 2,870,000 lbs. in. [324 000 N·m]

20" [508 mm] Front Frame Extension for Snow Plow Mount

(Continuation of Parent Frame)

Frame Included with 20" Extension:
Rail Dimensions: 10.62" x 3.25" x .375" [270 x 83 x 8 mm]
Section Modulus: 14.39 in.³ [236 cm³]
Resisting Bending Moment, RBM: 1,580,000 lbs. in. [179 000 N·m]
with .25" [6 mm] Steel Inside Channel Reinforcement
Section Modulus: 23.79 in.³ [390 cm³]
Resisting Bending Moment, RBM: 2,620,000 lbs. in. [296 000 N·m]

Wheelbase Availability

163" [4 140 mm] to 300" [7 620 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 Divider Lockout
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:
Camelback Spring,
Walking Beam
Air or Hendrickson
Synthetic Lubricants
Tandem Axle Spacing
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.