

STANDARD SPECIFICATIONS

(Based on Model RD690S, 6x4 Truck)

ENGINE: MACK, EM7-300 E-TECH

Horsepower, 300 [224 kW] @ 1750 Gov'd. RPM
Peak Horsepower, 310 [231 kW] @ 1500 RPM
Torque, 1425 lb./ft. [1 932 N·m] @ 1020 RPM
V-MAC - Total Vehicle Electronics System
Lube Oil System, Full Flow ESI+
Extended Service Interval 16,000 miles [25 749 km]
Centri-Max® Centrifugal Oil Filter
Flywheel Housing, Aluminum
Silicone Hoses and Tubing on Engine
Air Compressor, 13.2cfm [6.3 l/s] min. rtg.
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
Poly-V Fan Belt w/ Auto. Tensioner
Hoses, Heater & Radiator, Silicone
Coolant Conditioner, Spin-On

CLUTCH: SPICER, CL798

15.5" [394 mm] Ceramic
Dampened Disc, 2-Plate, Coaxial Spring

TRANSMISSION: MACK, T2060

6 Speed, Ratios: 9.02 Low, 0.60 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 Talladegha 914 (Mid-Back)
Rider's, 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

RD600S SERIES

CHASSIS



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

The *RD600S* conventional model is a 6 x 4 truck that has the load capacity and stamina for the toughest of jobs, ideally suited for the construction and refuse industry as well as logging, coal hauling, oil field, and municipal and utility vehicles. Axle capacities available are up to a 20,000 lb. [9 072 kg] front and a 50,000 lb. [22 680 kg] tandem rear. Also available is an integral front frame extension for heavy duty snow removal. The chassis can also be tailored for weight savings without sacrificing durability for the weight sensitive jobs. The *RD600S* offers the required muscle and variety for most on-off highway applications as well as on-highway applications.

STANDARD

ENGINE: MACK EM7-300 E-TECH
310 HP [224 kW] Peak Horsepower

TRANSMISSION: MACK T2060
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
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 Centers
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: 5.73
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: 8,315 lbs. [3 772 kg]
Rear: 7,370 lbs. [3 343 kg]

OPTIONAL EQUIPMENT

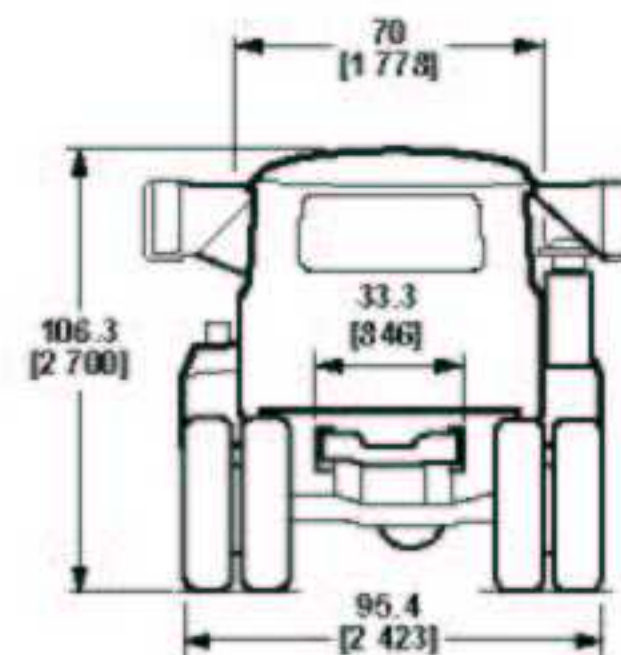
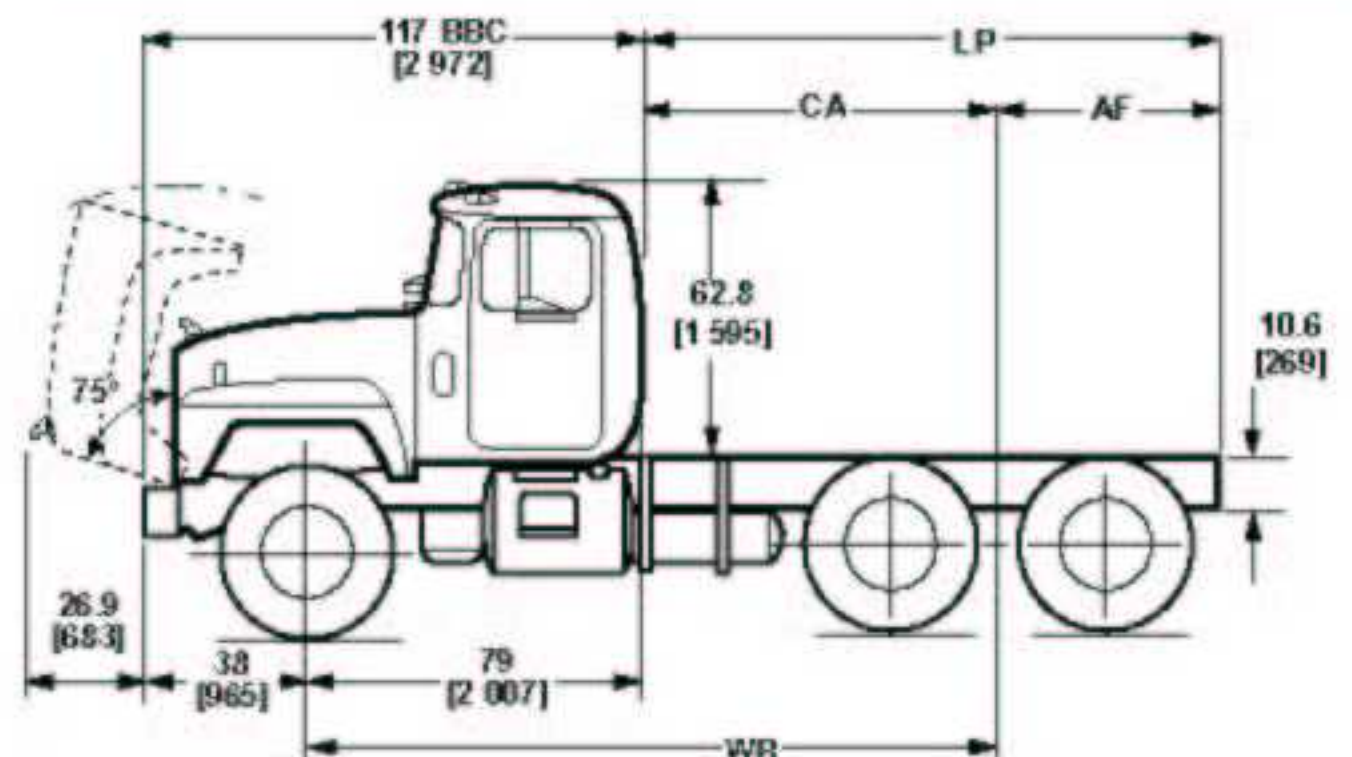
ENGINES	
MODEL	*HORSEPOWER @ GOV'D. RPM
MACK	
EM7-275 E-TECH	275 HP [205kW] @ 1750 285 HP [212kW] @ 1500
EM7-300 E-TECH	300 HP [224kW] @ 1750 310 HP [231kW] @ 1500
E7-300 E-TECH	300 HP [224kW] @ 1950
E7-350 E-TECH	350 HP [261kW] @ 1800
E7-400 E-TECH	400 HP [298kW] @ 1800
E7-427 E-TECH	427HP [318kW] @ 1800
E7-460 E-TECH	460HP [343kW] @ 1800

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

TRANSMISSIONS		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
MACK		
T2050	5	5.24/0.60
T2060	6	9.02/0.60
T2060A	6	7.54/0.714
T2070(B)	7	14.16/0.60
T2080(B)	8	20.08/0.60
T2090	9	10.69/0.71
T2100	10	8.52/0.77
TRTXL 1070B	12	14.44/0.78
T2130(B)	13	13.91/0.71
T2180(B)	18	13.91/0.71
FULLER		
RTXF-11609B/12609B/13609B/ 14609B/16709B	9	12.57/0.73
RTXF-11709H/14709H/16709H	9	10.55/0.73
FROF-13210B/14210B/15210B/ 16210B	10	11.06/0.75
FROF-13210C/14210C/15210C	10	12.69/0.74
RTO-14908LL/16908LL	10	14.56/0.74
RTOF-14908LL/16908LL	10	14.56/0.74
RTO(F)-14909MLL	11	26.08/0.73
RTLOF-14713A/14913A/16713A/ 16913A	13	12.31/0.73
RTOF-14915/16915	15	13.29/0.79
RTLOF-14718B/14918B/16718B/ 16918B	18	14.40/0.73
ALLISON		
HT740/740RS	4	3.69/1.00
HT750DR/750DR-RS	5	7.97/1.00
HD4060P	5	3.51/0.74
HD4560P	5	4.70/0.76
HD4060P	6	3.51/0.74
HD4560P	6	4.70/0.76

AXLES		
CAPACITY	MAKE	MODEL
FRONT AXLES		
12,000 lb. [5 443 kg]	MACK	FAW12
14,300 lb. [6 486 kg]	MACK	FAW14.3
14,600 lb. [6 623 kg]	MERITOR	FG941
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
	MACK	SB38
40,000 lb. [18 144 kg]	MACK	SB38*
	EATON	DS405(P)
44,000 lb. [19 958 kg]	MACK	S 440
	MACK	S 441
46,000 lb. [20 866 kg]	MACK	S440*
	MACK	S441*
50,000 lb. [22 680 kg]	MACK	S501

*Municipal Chassis Only.



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 w/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]
w/.25" [6mm] 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
Trim Level III: Black Vinyl Premium Interior with Color Coordinated Floor Carpet

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 Dryer 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
Cab Mounting, Rear, Fixed
Chassis Keyed Alike
Clutch, Self-Adjusting

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 Brake
Engine Cold Starting Aids
Engine Heaters
Exhaust Options
Fan Drive Options
Fifth Wheels and Related Equipment
Flywheel Housing, Iron
Fog/Driving Lights
Frame Extensions, Front
Frame Rail Clearances
Fuel Heaters
Fuel System, Dual Draw
Gauges:
Air Application
Axle Oil Temperature
Engine Oil Temperature
Exhaust Pyrometer
Manifold Pressure
Transmission Oil Temperature
Headlamp Options
Hood, Inspection Hatches
Hood, Western Style
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
Rear Engine Power Take-Off (REPTO)
Rear Window, Sliding
Roof Reinforcement for Cab
(For Local Installation of Air
Deflector)
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,
Hendrickson or Ridewell

Synthetic Lubricants
Tandem Axle Optional Spacing
Tires
Trailer Access Packages
Trailer Connection Packages
& Accessory Options
Trailer Hook-Up Lamp
Transistorized Flashers
Transmission Cooler
Tow Hooks, Rear
Western Contractor
(Lightweight Mixer
Chassis)
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.

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