

STANDARD SPECIFICATIONS

(Based on Model RD690P, 4x2 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
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)
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

RD600P SERIES

CHASSIS



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

The *RD600P* conventional model is a 4 x 2 truck that has the load capacity and stamina for the toughest of jobs, ideally suited for the construction and refuse industry as well as municipal and utility vehicles. Axle capacities available are up to a 20,000 lb. [9 072 kg] front and a 30,000 lb. [13 608 kg] single rear. Also available is an integral front frame extension for heavy duty snow removal. The *RD600P* 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 RA23
23,000 lb. [10 433 kg] Capacity
Suspension: Multi-leaf Spring

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: 163" [4 140 mm]
LOAD PLATFORM: 138" [3 505 mm]
CAB TO AXLE: 84" [2 134 mm]
AFTERFRAME: 54" [1 372mm]
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, RA23

23,000 lb. [10 433 kg] Capacity
Carrier: Malleable, CRD93A Ratio: 5.73
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.³ [39.4 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)

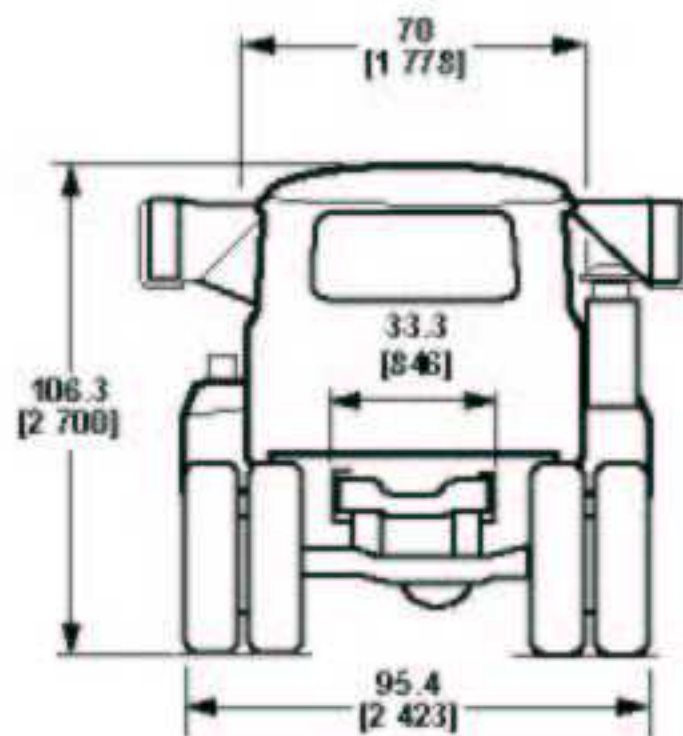
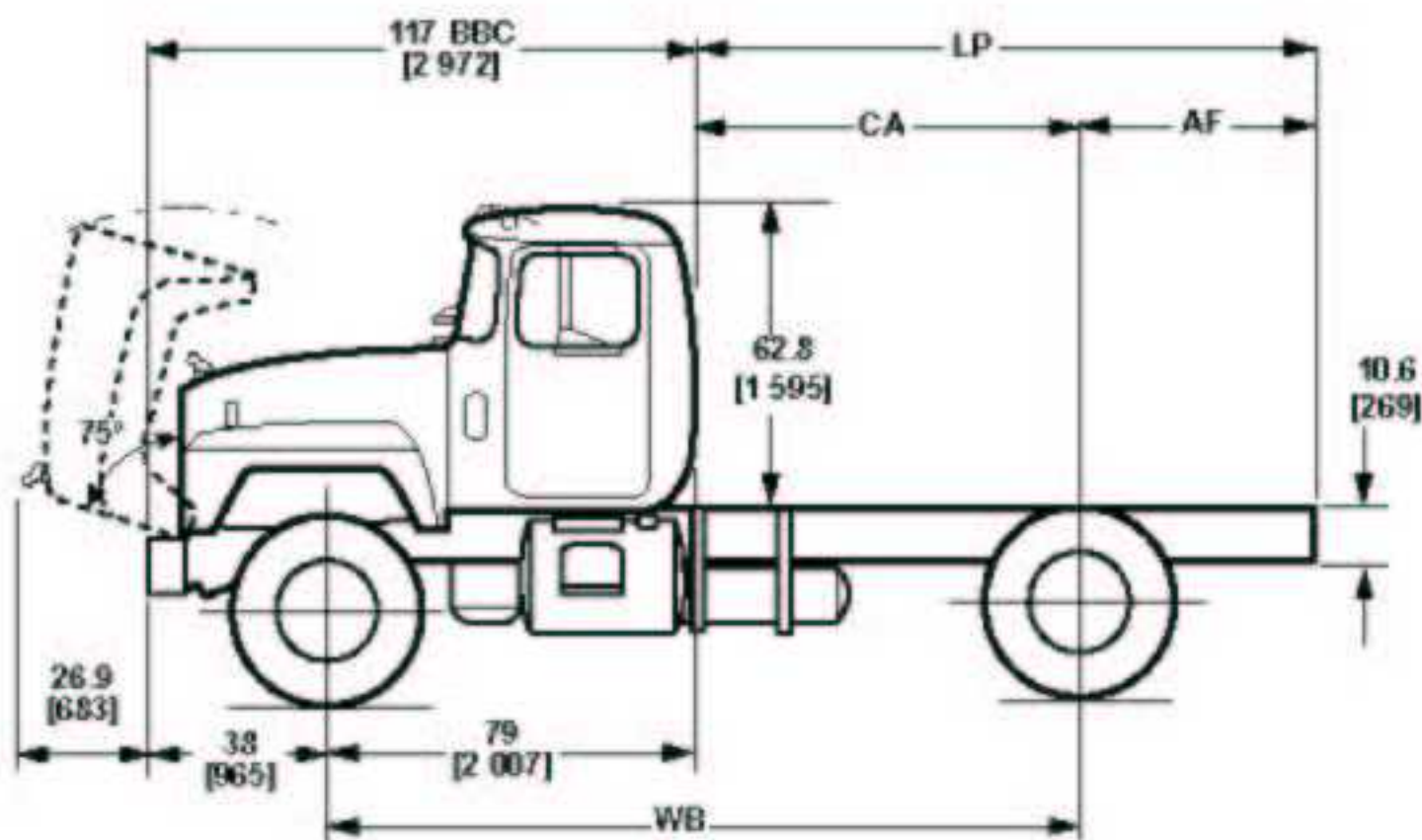
CHASSIS WEIGHT: (Estimated)

Front: 7,377 lbs. [3 346 kg]
Rear: 4,088 lbs. [1 854 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	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
SINGLE REAR AXLES		
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.³ [387 cm³]
 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.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 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
 Trim Level III: Black Vinyl Type 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	Crossmember Options	Interwheel Power Divider	Transistorized Flashers
Air Compressor Options	Drain Valve, Automatic	Inversion Valve, Spring Brakes	Transmission Cooler
Air Dryer Options	Driveline, Increased Size	Mirror Options	Tow Hooks, Rear
Air Horns	Electrical Circuit Breakers	Paint Designs (Cab & Hood)	Windshield Wiper Options
Air Reservoirs, Aluminum	Electrical Connections,	Power Steering Options	Wheel Equipment:
Air Reservoir, Increased Air Capacity	Waterproofed	Power Take-Off Options	Spoke, Steel or
All Hose Chassis	Electrical (Engine):	Power Windows, RH Door	Aluminum Disc
Auxiliary Power Supply	Starter Options	Radiator Guard, Plate Type	Hub & Drum
Back-Up Alarm	Alternator Options	Radiator Shutters	Equipment
Battery Box Cover, Aluminum	Engine Brake	Radio Options, Stereo/Cassette	Wheel Flaps
Battery Disconnect Switch	Engine Cold Starting Aids	Rain Cap, Exhaust	Wheel Seals
Battery Options	Engine Heaters	Rear Axle Carrier Options	
Body Power Cable	Exhaust Options	Rear Engine Power Take-Off (REPTO)	
Brake Equipment Options	Fan Drive Options	Rear Window, Sliding	
Bright Finish Equipment:	Fifth Wheels and Related Equipment	Roof Reinforcement for Cab (For Local Installation of Air Deflector)	
Air Reservoirs	Flywheel Housing, Iron	Seat Options, Driver & Rider	
Battery Box Covers	Fog/Driving Lights	Spotlight, Cab Mounted	
Bumper	Frame Extensions, Front	Sun Visor, Exterior	
Exhaust Systems	Frame Rail Clearances	Suspension, Front Axle:	
Fuel Tank Steps & Straps	Fuel Heaters	Taperleaf or Multileaf	
Grille	Fuel System, Dual Draw	Spring Build-Up for Snow Plow	
Mirrors and Brackets	Gauges:	Suspension, Rear Axle:	
Radiator Guard	Air Application	Helper or Anti-Sway Springs	
Turn Signals, Front	Axle Oil Temperature	Synthetic Lubricants	
Wheels, Disc	Engine Oil Temperature	Tires	
Wheel Nuts	Exhaust Pyrometer	Trailer Access Packages	
Bug Screen	Manifold Pressure	Trailer Connection	
Bumper Options	Transmission Oil Temperature	Packages & Accessory Options	
CB Radio Options	Headlamp Options	Trailer Hook-Up Lamp	
Cab Accessories	Hood, Inspection Hatches		
Cab Heater, High Performance	Hood, Western Style		
Cab Mounting, Rear, Fixed	Hubodometer		
Chassis Keyed Alike	Identification/Clearance Light Options		
Clutch, Self-Adjusting	Inside/Outside Air Intake		
Coolant Protection to -40°F			
Crankshaft Adapter (FEPTO)			

OTHER COMPONENT OPTIONS MAY BE AVAILABLE UPON REQUEST.

The information in this brochure was accurate as known as of the date of the publication. Illustrations may not be representative of current product. Mack Trucks, Inc. reserves the right to make changes in specifications, equipment or design, or to discontinue models or options without notice at any time.