STANDARD SPECIFICATIONS
(Based on Model RD600SX, 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 18,000 miles [25 749 km]
Centri-Max® Centrifugal Oil Filter
Flywheel Housing, Aluminum
Silicone Hoses and Tubing on Engine
Air Compressor, 13.2 cfm [6.3 l/s] min. rtg.
Electrical: 12 Volt Starler
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 Mtld.)
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 Inter axle 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 Tadallagha 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, 16” Dia. 2-Spoke
Sun Visor - LH & RH
Floor Mats, Rubber w/Closed Cell Vinyl Nitrile Backing

CHASSIS

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

The RD600SX 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 utility vehicle. Axle capacities available are up to a 20,000 lb [9 072 kg] front and a 85,000 lb [38 309 kg] tandem rear. Also available is an integral front frame extension for heavy duty snow removal. The RD600SX offers the required muscle and variety for those heavy hauling on-off highway applications.

STANDARD

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

TRANSMISSION: MACK T2060
6 Speed, Overgear

FRONT AXLE: MACK FAW18
18,000 lb [8 165 kg] Capacity

REAR AXLE: MACK SS58
58,000 lb [26 309 kg] Capacity
Suspension: Camelback Spring

Mack Trucks, Inc., Allentown, Pennsylvania
www.macktrucks.com
CAB: continued
Interior Features: Operational
- T.I.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/Hourmeters, Electronic
- High Beam Indicator
- Parking Brake "On" Indicator
- Key Type Starting and Shutoff
- Courtesy Light Switch (Head and Clearance)
- Directional Signal Switch, Manual Canceling

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 (Elect.),
  w/5 qt. [4.7 L] Reservoir
- Mirrors, West Coast Bulldog Br. Finish, RH & LH
  w/Stainless Steel Arms & Brackets
- 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 3.13" [270 x 83 x 8 mm]
- Frame Reinforcement: Inside Channel 25" [6 mm]
- Section Modulus: 23.60 in³ [387 cm³]
- RBM (per rail): 2,600,000 lbs. in. [934 000 N-m]
- WHEELBASE: 227" [5,766 mm]
- LOAD PLATFORM: 240" [6,096 mm]
- CAB TO AXLE: 148" [3,759 mm]
- AFTERFRAME: 92" [2,337 mm]
- BUMPER: Steel, Swept Back Channel
  92.6" x 10" [2,352 x 254 mm], Extended Mtd.
  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, FAW18
- 18,000 lb. [8,165 kg] capacity
- Suspension: MACK Taperleaf w/Shock Absorbers
  18,000 lb. [8,165 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: Shepperd 492S, Integral Power, Ratio 20:1:1
- Wheel Equipment: 8.25" [210 mm] Rim
- Cast Spoke Wheel

REAR AXLE: MACK, SS58
- 58,000 lb. [26,309 kg] Capacity
- Carrier: Malleable, CRDPC112/CRD113
- Ratio: 5.73
- Suspension: MACK Camberback Spring
- 58,000 lb. [26,309 kg] Ground Load Rating
- 54" [1,372 mm] Axle Wheelbase
- Oil Seals Chicago Rawhide
- Brakes, "S" Cam 18" x 7" [457 x 178 mm]
- Meritor "Q-Plus" Brakes w/Dust Shields
- Slack Adjusters, Haldex, Automatic
- Auxiliary Spring Brake Chambers, MGB
  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 G286
- 12R24.5, 16 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 in³ [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: 9,300 lbs. [4,218 kg]
- Rear: 10,514 lbs. [4,769 kg]
### Engines

<table>
<thead>
<tr>
<th>Model</th>
<th>Horsepower @ Gov'd. RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>EM7-275 E-TECH</td>
<td>275 HP [205kW] @ 1750, 285 HP [212kW] @ 1500</td>
</tr>
<tr>
<td>EM7-300 E-TECH</td>
<td>300 HP [224kW] @ 1750, 310 HP [231kW] @ 1500</td>
</tr>
<tr>
<td>E7-300 E-TECH</td>
<td>300 HP [224kW] @ 1950</td>
</tr>
<tr>
<td>E7-350 E-TECH</td>
<td>350 HP [261kW] @ 1800</td>
</tr>
<tr>
<td>E7-400 E-TECH</td>
<td>400 HP [298kW] @ 1800</td>
</tr>
<tr>
<td>E7-427 E-TECH</td>
<td>427 HP [318kW] @ 1800</td>
</tr>
<tr>
<td>E7-460 E-TECH</td>
<td>460 HP [343kW] @ 1800</td>
</tr>
</tbody>
</table>

*Horsepower other than gov'd. RPM

### Transmissions

<table>
<thead>
<tr>
<th>Model</th>
<th>Speeds</th>
<th>Ratios (Low/High)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2050</td>
<td>5</td>
<td>5.24/0.60</td>
</tr>
<tr>
<td>T2060</td>
<td>6</td>
<td>9.02/0.60</td>
</tr>
<tr>
<td>T2060A</td>
<td>6</td>
<td>7.54/0.74</td>
</tr>
<tr>
<td>T2070(B)</td>
<td>7</td>
<td>14.16/0.60</td>
</tr>
<tr>
<td>T2080(B)</td>
<td>8</td>
<td>20.08/0.60</td>
</tr>
<tr>
<td>T2090</td>
<td>9</td>
<td>10.69/0.71</td>
</tr>
<tr>
<td>T2100</td>
<td>10</td>
<td>8.52/0.77</td>
</tr>
<tr>
<td>TRXL 1070B</td>
<td>12</td>
<td>14.44/0.78</td>
</tr>
<tr>
<td>T2130(B)</td>
<td>13</td>
<td>13.91/0.71</td>
</tr>
<tr>
<td>T2180(B)</td>
<td>18</td>
<td>13.91/0.71</td>
</tr>
</tbody>
</table>

### Fuller

<table>
<thead>
<tr>
<th>Model</th>
<th>Speeds</th>
<th>Ratios (Low/High)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTXF-11609B/121609B/13609/14609B/16709B</td>
<td>9</td>
<td>12.57/0.73</td>
</tr>
<tr>
<td>RTXF-11709H/14709H/16709H</td>
<td>9</td>
<td>10.55/0.73</td>
</tr>
<tr>
<td>FROF-13210B/14210B/15210B/16709B</td>
<td>10</td>
<td>11.66/0.75</td>
</tr>
<tr>
<td>FROF-13210C/14210C/15210C/16709C</td>
<td>10</td>
<td>12.29/0.74</td>
</tr>
<tr>
<td>RTO-14908LL/16908LL</td>
<td>10</td>
<td>14.60/0.74</td>
</tr>
<tr>
<td>RTO-14908LL/16908LL</td>
<td>10</td>
<td>14.60/0.74</td>
</tr>
<tr>
<td>RTO-14909MLL</td>
<td>11</td>
<td>26.60/0.73</td>
</tr>
<tr>
<td>RTLOF-14713A/14713A/16913A</td>
<td>13</td>
<td>12.31/0.73</td>
</tr>
<tr>
<td>RTLOF-14915/16915</td>
<td>15</td>
<td>13.29/0.79</td>
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<tr>
<td>RTLOF-14915B/16915B</td>
<td>18</td>
<td>14.40/0.73</td>
</tr>
</tbody>
</table>

### Allison

<table>
<thead>
<tr>
<th>Model</th>
<th>Speeds</th>
<th>Ratios (Low/High)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT740/740RS</td>
<td>4</td>
<td>3.69/1.00</td>
</tr>
<tr>
<td>HT7500DR/7500-DR-RS</td>
<td>5</td>
<td>7.97/1.00</td>
</tr>
<tr>
<td>HD4060P</td>
<td>5</td>
<td>3.51/0.74</td>
</tr>
<tr>
<td>HD4560P</td>
<td>5</td>
<td>4.70/0.76</td>
</tr>
<tr>
<td>HD4060P</td>
<td>6</td>
<td>3.51/0.74</td>
</tr>
<tr>
<td>HD4560P</td>
<td>6</td>
<td>4.70/0.76</td>
</tr>
</tbody>
</table>

### Axles

#### Front Axles

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Make</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>12,000 lb. [5,443 kg]</td>
<td>MACK</td>
<td>FAW12</td>
</tr>
<tr>
<td>14,300 lb. [6,486 kg]</td>
<td>MACK</td>
<td>FAW14.3</td>
</tr>
<tr>
<td>14,600 lb. [6,623 kg]</td>
<td>MERITOR</td>
<td>FG941</td>
</tr>
<tr>
<td>18,000 lb. [8,165 kg]</td>
<td>MACK</td>
<td>FAW18</td>
</tr>
<tr>
<td>20,000 lb. [9,072 kg]</td>
<td>MACK</td>
<td>FAW20</td>
</tr>
</tbody>
</table>

#### Tandem Rear Axles

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Make</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>58,000 lb. [26,309 kg]</td>
<td>MACK</td>
<td>S58</td>
</tr>
<tr>
<td>65,000 lb. [29,484 kg]</td>
<td>MACK</td>
<td>S65</td>
</tr>
</tbody>
</table>
FRAME:
Optional .375" Frame with Reinforcement
Rail Dimensions: 10.75" x 3.25" x .375" [273 x 83 x 10 mm]
24" [6 mm] Steel Inside Channel Reinforcement
Section Modulus: 26.66 in.² [426 cm²]
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]
with 25" [6 mm] Steel Inside Channel Reinforcement
Section Modulus: 23.79 in.² [390 cm²]
Resisting Bending Moment, RBM: 2,620,000 lbs. in. [296,000 N·m]
Wheelbase Availability
163" [4,140 mm] to 290" [7,366 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
Drive Line, Increased Size
Electrical Circuit Breakers
Electrical Connections, Waterproofed
Electrical (Engine):
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
Axe Oil Temperature
Engine Oil Temperature
Exhaust Pyrometer
Manifold Pressure
Transmission Oil Temperature
Headlamp Options
Hood, Inspection Hatches
Hood, Western Style
Hubometer
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:
Taper Leaf or Multi Leaf
Spring Build-Up for Snow Plow
Suspension, Rear Axle:
Caminback Spring or Walking Beam
Synthetic Lubricants
Tandem Axle Optional Spacing
Tires
Trailer Access Packages
Trailer Connection Packages
& Accessory Options
Trailer Hook-Up Lamp

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