

STANDARD SPECIFICATIONS

MODEL DESIGNATION MRU602

ENGINE: MACK MP7-325M

Peak Horsepower – 325HP at 1500-1900 RPM
Horsepower – 300 HP at 2100 Gov. RPM
Max. Torque – 1200 lb/ft at 1200 RPM
V-MAC IV – Total Vehicle Electronics
Air Compressor – Meritor/WABCO 636 (37.4 cfm)
Air Cleaner, 13" Single Element w/Snorkel Dry Type
Alternator, Leece Neville 12V 160A
Batteries, (3) Mack 12V M/F Group – 650 CCA
Total 1950 CCA Treaded Stud Type Terminals
Coolant Protection - 34°F (-37°C)
Mack Coolant Conditioner
Diesel Particulate Filter – Vertical RH Side Back of Cab
Exhaust After Treatment System, Ceramic Non-Catalyzed
Engine Brake – Mack Powerleash
Silicone Engine Hoses and Tubing
Poly-V Fan Belt w/Automatic Tensioner
Fan Drive, Electronically Modulated Type
Flywheel Housing, Aluminum
Fuel Water Separator
Silicone Radiator & Heater Hoses
Starter, 12V Gear Reduction
Electronic Starter Interlock

CLUTCH: EATON/FULLER, CL7981

15.5" Two-Plate w/Dampened Ceramic Coax
9-Spring 6-Paddle Driven Disc & 2" Diameter Spline

TRANSMISSION: MACK TM308

8-Speed, Ratios: 17.77 Low – 0.71 High
PTO Side Gears (LH and RH)
Driveline: Meritor 17N HD w/Coated Splines

CAB: CA531 LOW PROFILE COE

Air Restriction Monitor, Graduated Lock Up Type
Air Cleaner Intake Mounted
Ash Tray w/Hinged Cover
Cab Mounting, Four Point Fixed Type
Cab Tilt, Pump Mounted on RH Fender Bracket
Cigar Lighter
Coat Hook, (1)
Doors, Fiberglass
Sliding Type Side Windows
Screened Vent in LH Door
Peep Window in RH Door
Engine Shutoff – Key Type Control
Front Fenders, Polyurethane
Floor Mat, Rubber w/Closed Cell Vinyl Nitrile Backing
Dual Air Pressure Gauge
Voltmeter
Engine Coolant Temperature Gauge
Engine Oil Pressure Gauge
Fuel Level Gauge
Speedometer w/Trip Odometer
Tachometer w/Hourmeter
Safety Tinted Windshield w/Non-Tinted Side and Rear Windows
Grab Handles, Aluminum RH & LH Behind Door
Heater w/Integral Defroster
Horn, (1) Twin Trumpet Mounted Under Cab
Single Tone Electronic

MACK

TerraPro Cabover 4X2 SERIES



- Low COE 4-Wheel Truck
- Maneuverability
- Panoramic View
- Tight Wheel Cuts

The low-profile cabover "MRU" was created specifically for the severe service refuse industry, however, it is also popular in other applications such as concrete pumper, mixer/dumper and other construction equipment. Its short bumper back-to-back of cab dimension and set-back front axle permit effective weight distribution for on and off-road hauling. The steel cab is fully galvanized. The fiberglass doors and huge glass areas contribute to easy entry/exit and panoramic visibility. The "MRU" is literally designed around the task.

STANDARD

ENGINE: MACK MP7-325M
325 HP [224 kW] Peak Horsepower

TRANSMISSION: MACK TM-308
8-Speed

FRONT AXLE: MACK FXL12
12,000 lb. [5 443 kg] Capacity

REAR AXLE: MACK RA23R
23,000 lb. [10 433 kg] Capacity
Suspension: Multileaf Springs



STANDARD SPECIFICATIONS

(Continued)

CAB: CA68 CONVENTIONAL (Continued)

Identification and Clearance Lights (7)
TMC Recommended Instrument Panel
Interior Trim: Slate Gray Vinyl
Keys, 2 – Keyed at Random
Low Air Pressure Indicator Light and Buzzer
Exterior Mirrors, RH & LH Bright Finish Mack Bulldog
w/Stainless Steel Arms and Brackets
Mud Flaps 12" Front Fender Mounted
Parking Brake Control w/Warning Light
Radio Accommodation Package
Includes: Antenna, Power Supply and 2 Speakers
CB – 5 way Binding Post
Rear Window, Fixed
Seating:
Driver – Bostrom Talladega 905 Mid-Back Air Suspension
Rider – Mack Fixed Mid-Back Non-Suspension
Seat Covering, Vinyl
Seat Belts, Lap and Shoulder w/Locking Seat Belt Retractors
"Komfort Latch" for Driver and Rider Seats
Key Type Starter Switch
Steering Column, Fixed
Steering Wheel, Two Spoke Urethane Grip Painted Spokes
and Bulldog Horn Cap
Forward Overhead Storage (2)
Sun Visor, Interior Both Sides
Turn Signal Switch, Manual Cancelling
Windshield Washers, Wiper Mounted with 7qt Reservoir
Windshield Wipers: Electric Motor w/Intermittent Feature

FRAME:

Wheelbase (WB) – 169"
Load Platform (LP) – 249"
Cab to Axle (CA) – 166"
Axle to End of Frame (AF) – 83"
Frame Rails – Steel
Cross Section – 13.25" x 3.25" x .3125"
Section Modulus, 19.79 in.³
RBM (per rail) – 2,374,800 lb. in.
Inside Channel Reinforcement
Bumper: Extended Swept Back Steel Channel Type
Bumper to Back of Cab (BBC) – 63"
Crossmembers: ½" Plate Type Bolted Back of Cab
Intermediate 1/8" Below Top of Rail
Front Tow Pin

FUEL TANKS:

Capacity/Location: 70 Gallon RH
Steel, 24" Diameter

FRONT AXLE: MACK FXL12

12,000 lb. Capacity
Tires: 11R22.5 Singles
Wheel Equipment: (2) 22.5" x 8.25" Steel Disc
10-Hole Hub Piloted
Brakes: Meritor "S" Cam 16.5" x 5" Q-Plus w/o Dust Shields
Brake Drums Cast Outboard Mounted
Slack Adjusters – Automatic
Suspension:
Mack Multileaf 12,000 lb. Ground Load Rating
Steering: 392S Sheppard Integral Power Steering

REAR AXLE: MACK RA23R

23,000 lb Capacity
Carrier – Malleable CRD203
Suspension – Mack Multileaf 23,000 lb Capacity
Tires: 11R22.5 Duals
Wheel Equipment: (8) 22.5" x 8.25" Steel Disc
10-Hole Hub Piloted
Brakes: Meritor "S" Cam 16.5" x 7" Q-Plus w/o Dust Shields
Brake Drums Cast Outboard Mounted
Wheel Seals – Oil
Slack Adjusters – Automatic
Spring Brake Chambers:
(2) 30/30 Double Diaphragm Type
Mechanical Spring Release

AIR/BRAKE:

Dual Air Brake System
Dual Air Dryer w/Cooling Tank
Air Reservoirs – Steel 3623 in³ Capacity
Anti-Lock Brake System w/o Traction Control

ELECTRICAL:

Battery Box & Covers – Painted Steel
Daytime Running Lights:
Electric Circuit Protection Package
12V w/Circuit Breakers
Negative Ground System
Waterproof Electrical Connections
Control Link w/typical Refuse Bodybuilder
Interface Connections
Headlamps – (2) Single Round Halogen Lamps
Rear Lighting
Transistorized Turn Signal

PAINT:

Cab, Hood and Fenders:
Mack White (High Gloss)
Urethane Base Coat w/o Clear Coat
Chassis Running Gear:
Mack Black (Urethane)

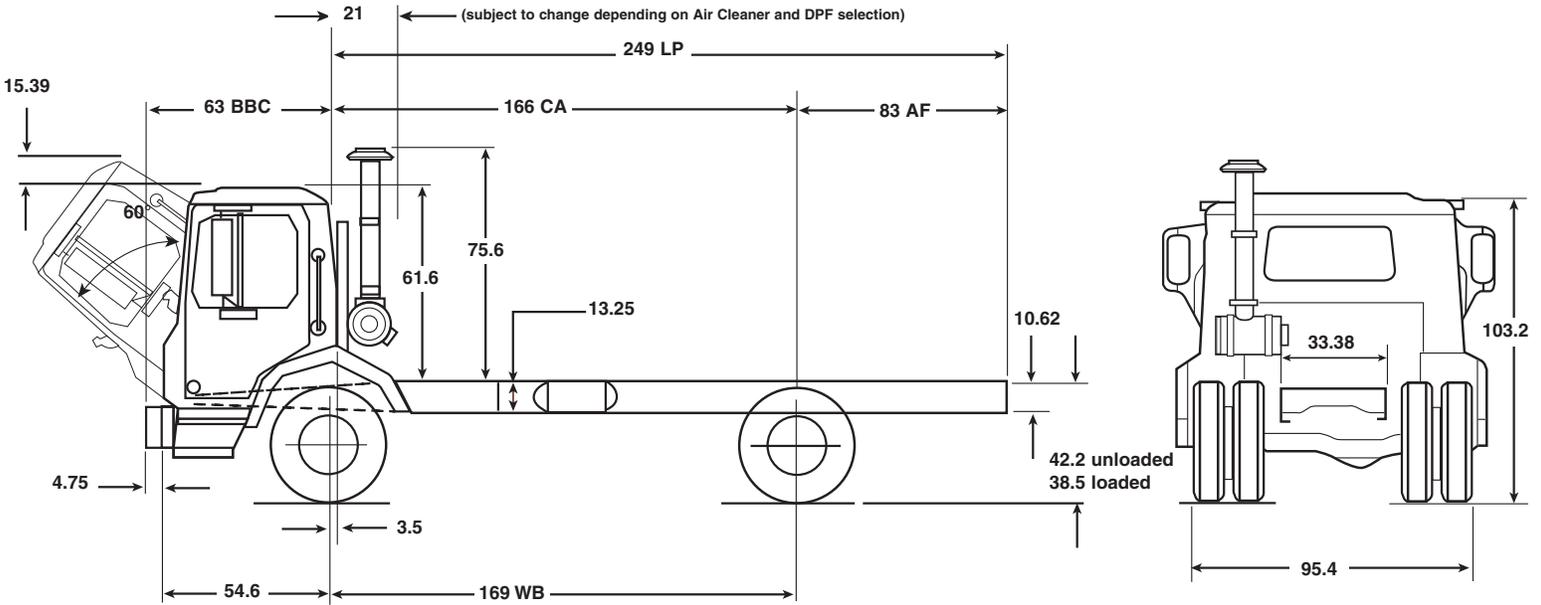
WEIGHT:

Font: 10,198
Rear: 3,772
TOTAL: 13,970

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(All measurements are in inches)

[] = mm



AVAILABLE DRIVELINE COMPONENTS

MP7—ENGINES	
MODEL	HORSEPOWER
MACK	
MP7-345C	345 HP [257 kW] @ 1500-1700 RPM 320 HP [239 kW] @ 1950
MP7-365C	365 HP [272 kW] @ 1500-1700 RPM 340 HP [254 kW] @ 1950
MP7-395C	395 HP [295 kW] @ 1500-1700 RPM 370 HP [276 kW] @ 1950
MP7-325M	325 HP [242 kW] @ 1500-1900 RPM 300 HP [224 kW] @ 2100
MP7-365M	365 HP [272 kW] @ 1500-1900 RPM 335 HP [250 kW] @ 2100
MP7-405M	405 HP [302 kW] @ 1500-1900 RPM 370HP [276 kW] @ 2100

TRANSMISSIONS		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
MACK		
TM308	8	17.77/0.71
TM308M	8	17.77/0.71
TM309	9	25.21/0.71
TM309M	9	25.21/0.71
T309	9	11.40/0.71
T309(LR)	9	13.93/0.71
T310	10	13.81/0.73
T310M	10	17.35/0.73
T310ME	10	17.35/0.73
ALLISON		
4500 RDS	5	4.70/0.76
4500 RDS	6	4.70/0.67
ALLISON—FOR FIRE PUMPER SERVICE		
4000 EVS	5	3.51/0.74
4500 EVS	5	4.70/0.67
4000 EVS	6	3.51/0.64
4500 EVS	6	4.70/0.67
EATON FULLER		
RTO-14908LL	10	14.56/0.74

AXLES		
CAPACITY	MAKE	MODEL
FRONT AXLES		
12,000 lb. [5 443 kg]	MACK	FXL12
14,600 lb. [6 600 kg]	MACK	FXL14.6
18,000 lb. [8 165 kg]	MACK	FXL18
20,000 lb. [9 072 kg]	MACK	FXL20
23,000 lb. [10 433 kg]	MACK	FXL23
SINGLE REAR AXLES		
23,000 lb. [10 433 kg]	MACK	RA23R
30,000 lb. [13 608 kg]	MACK	RA30

OPTIONAL EQUIPMENT

FRAME:

Rail Dimensions: 13.25" x 3.25" x .31" w/inside reinforcement
Section Modulus: 26.06 in.³
Resistance Bending Moment (RBM) 3,127,200 lbs. in.

OTHER OPTIONAL EQUIPMENT:

Air Cleaner – 15", Single Element
Air Conditioning – Integral Combo Unit
Air Horn Options
Alternator - 12V 200A
Aluminum Air Reservoirs
Back-Up Alarm
Battery Disconnect Switch
Battery Options
Engine Block Heater Options
Engine Starting Aid
Front Fender Mounted Mud Flaps 24"
Front Frame Extension
Fuel Heater

Gauge Options:
Exhaust Pyrometer Gauge
Manifold Pressure Gauge
Metric
Transmission Oil Temperature
Hand Control Valve
Hubodometer
Incandescent Single Round Headlights
Keyed Alike Chassis
LH Fuel Tank
Lube Pump and Filter
Mirror Options
Oil Pan Heater
Overhead Storage Options
Personalized Name Plate
Power Divider Lockout
Power Take Off Options
Push Button Start

Rear Crossmember, I-Beam
Rear Lighting Options
Rear View Camera Prep Kit
Seating and Seat Covering Options
Skid Plate
Starter – Delco 12V MTDH 39
Static Load Cushions – Front Axle
Stereo Cassette/Stereo CD Radio Options
Synthetic Lubricants
Wheel Equipment: Spoke, Steel or Aluminum Disc
Wheel Lugwrench
Windshield Protector

OTHER COMPONENT OPTIONS MAY BE AVAILABLE UPON REQUEST