

## STANDARD SPECIFICATIONS

### MODEL DESIGNATION MRU603

#### 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

# MAC K

## TerraPro Cabover 6X4 SERIES



- Low COE
- 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 SS38R  
38,000 lb. [17 237 kg] Capacity  
Suspension: Camelback Spring,  
Anti-Sway Type



## 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  
Side Markers – Lamps and Reflectors  
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 Corner Wind Deflector  
Windshield Washers, Wiper Mounted with 7qt Reservoir  
Windshield Wipers: Electric Motor w/Intermittent Feature

### FRAME:

Wheelbase (WB) – 173"  
Load Platform (LP) – 273"  
Cab to Axle (CA) – 170"  
Axle to End of Frame (AF) – 103"  
Frame Rails – Steel  
Cross Section – 13.25 x 3.25" x .3125"  
Section Modulus, 26.06 in.<sup>3</sup>  
RBM (per rail) – 3,127,200 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 ⅛" 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 S38R

38,000 lb Capacity  
Carrier – Malleable CRDPC92/CRD93  
Suspension – SS38 Mack Multileaf 38,000 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:  
(4) 30/30 Double Diaphragm Type  
Mechanical Spring Release  
Trunnion Bushing

### AIR/BRAKE:

Dual Air Brake System  
Dual Air Dryer w/Cooling Tank  
Air Reservoirs – Steel 5100 in.<sup>3</sup> Capacity  
Bendix Anti-Lock Brake System

### 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:

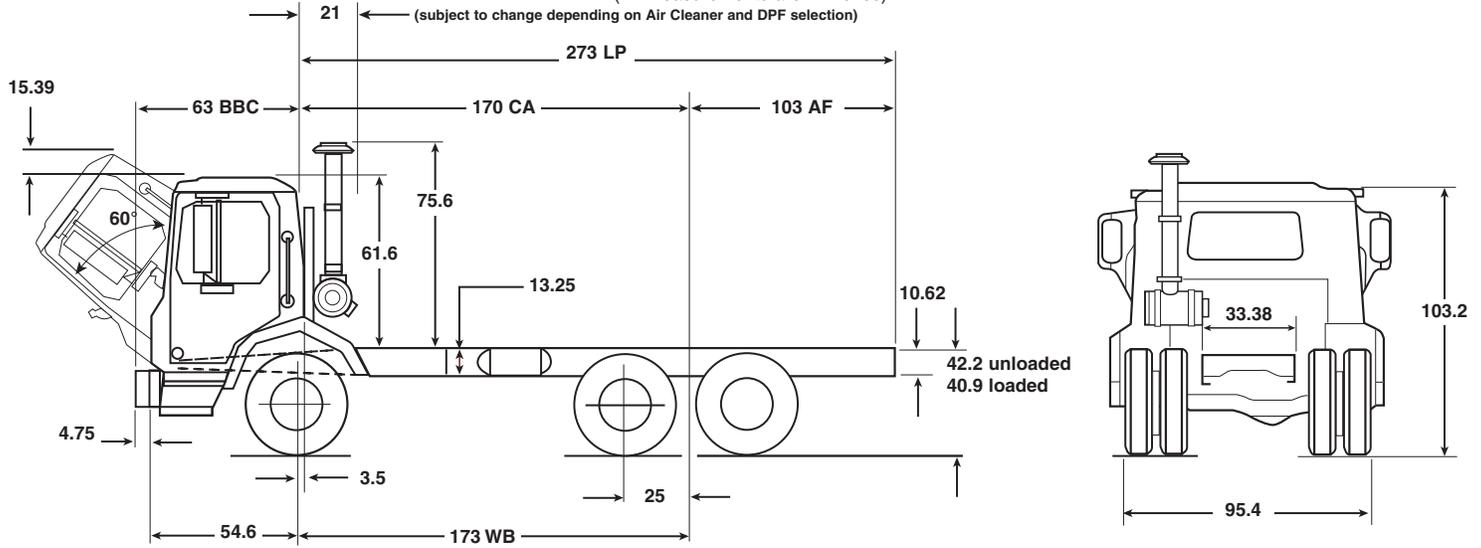
Cab, Hood and Fenders:  
Mack White (High Gloss)  
Urethane Base Coat w/o Clear Coat  
Chassis Running Gear:  
Mack Black (Urethane)

### WEIGHT:

Font: 9,662  
Rear: 6,963  
TOTAL: 16,625

**CHASSIS SPECIFICATIONS**

(All measurements are in inches)



**AVAILABLE DRIVELINE COMPONENTS**

MP7—ENGINES	
MODEL	HORSEPOWER
<b>MACK</b>	
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)
<b>MACK</b>		
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
<b>ALLISON</b>		
4500 RDS	5	4.70/0.76
4500 RDS	6	4.70/0.67
<b>ALLISON—FOR FIRE PUMPER SERVICE</b>		
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
<b>EATON FULLER</b>		
RTO-14908LL	10	14.56/0.74

AXLES		
CAPACITY	MAKE	MODEL
<b>FRONT AXLES</b>		
12,000 lb. [5 443 kg]	MACK	FXL12
14,600 lb. [6 623 kg]	MACK	FXL14.6
18,000 lb. [8 165 kg]	MACK	FXL18
20,000 lb. [9 072 kg]	MACK	FXL20
23,000 lb. [10 400 kg]	MACK	FXL23
<b>TANDEM REAR AXLES</b>		
38,000 lb. [17 237 kg]	MACK	S38R/SB38
44,000 lb. [19 958 kg]	MACK	S440
46,000 lb. [20 886 kg]	MACK	S440-46/S462
	MERITOR	RT46-160
52,000 lb. [23 600 kg]	MACK	S522
58,000 lb. [26 309 kg]	MACK	S582

## OPTIONAL EQUIPMENT

### FRAME:

#### Optional Frames without Reinforcement

Rail Dimensions: 13.25" x 3.25" x .31"  
Section Modulus: 19.79 in.<sup>3</sup>  
Resistance Bending Moment (RBM) 2,374,800 lbs. in.

Rail Dimension: 13.37" x 3.25" x .37"  
Section Modulus: 23.49 in.<sup>3</sup>  
Resistance Bending Moment (RBM) 2,818,800 lbs. in.

#### Optional Frames with Reinforcement

Rail Dimension: 13.37" x 3.25" x .37"  
Section Modulus: 29.42 in.<sup>3</sup>  
Resistance Bending Moment (RBM) 3,530,4000 lbs. in.

**Wheelbase Availability:** 159" to 220"

### 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