

vocational

- Refuse
- Pumper
- Mixer



## STANDARD POWERTRAIN SPECIFICATIONS

### **ENGINE: MACK MP7-325M**

Peak Horsepower – 325HP at 1500-1900 RPM Horsepower – 300 HP at 2100 Gov. RPM Max. Torque - 1200 lb/ft at 1100-1300 RPM V-MAC IV - Total Vehicle Electronics Air Compressor – 636 (37.4 cfm) Air Cleaner – 13" Single Element w/Snorkel Dry Type

Air Intake In-Line Pre-Cleaner

Alternator, Delco 12V 130A (24SI) Batteries, (3) Mack 12V 650/1950 CCA Threaded Stud Type

Coolant Protection, -34°F (-37°C)

Mack Coolant Conditioner

Diesel Particulate Filter - Vertical LH Side Back of Cab w/vertical SCR 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

## **TRANSMISSION: MACK TM308**

8-Speed, Ratios: 17.77 Low - 0.71 High

PTO Side Gears (LH and RH)

Clutch - CL7981/CL7983 15.5" Ceramic 9 Spring, 6 Paddle, Manual Adjust

Main Driveline - Meritor 17N HD Interaxle Driveline - Meritor 17N HD





## STANDARD POWERTRAIN SPECIFICATIONS (Continued)

## **REAR AXLE: MACK S38R**

38,000 lb Capacity Tires –11R22.5

Carrier – CRDP150/151

Wheels - Steel Disc (8) 22.5" x 8.25" 10-Hole Hub Piloted

Brakes - Meritor "S" Cam 16.5" x 7" Q-Plus w/o Dust

Shields

Brake Drums Cast Outboard Mounted

Rear Wheel Seals

Slack Adjusters - Automatic

Suspension - SS38 Mack Multileaf 38,000 lb Capacity

Spring Brake Chambers - (4) 30/30 Double Diaphragm

Type/Mechanical Spring Release

Trunnion Bushing

#### FRONT AXLE: MACK FXL12

12,000 lb. Capacity

Tires - 11R22.5

Wheels - Steel Disc (2) 22.5" x 8.25" 10-Hole Hub Piloted

Brakes - Meritor "S" Cam 16.5" x 5" Q-Plus w/o Dust

Shield

Brake Drums Cast Outboard Mounted

Slack Adjusters - Automatic

Suspension - Mack Multileaf 12,000 lb. Ground Load Rating

Steering – 392S Sheppard Integral Power Steering

## STANDARD CAB INTERIOR/EXTERIOR SPECIFICATIONS

#### **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

Doors, Fiberglass – Sliding Type Side Windows, Screened Vent (LH), Peep Window (RH)

Engine Shutoff - Key Type Control

Front Fenders, Polyurethane

Floor Mat, Rubber w/Closed Cell Vinyl Nitrile Backing

Gauges – Dual Air Pressure, Voltmeter, Engine Coolant Temperature, Engine Oil Pressure,

Level, Speedometer, Tachometer

Grab Handles, Aluminum RH & LH Behind Door

Heater w/Integral Defroster

Horn – (1) Twin Trumpet Mounted Under Cab Single Tone w/Snow Shield

Identification and Clearance Lights (7)

TMC Recommended Instrument Panel (Painted Silver)

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

Mud Flaps - 12" Front Fender Mounted

Overhead Storage

Parking Brake Control w/Warning Light

AM/FM Stereo CD w/Weather Band

CB - Powerleads in Overhead Console

Rear Window, Fixed

Driver Seat - Bostrom Talladega 905 Mid-Back Air Suspension

Rider Seat - Mack Fixed Mid-Back Non-Suspension

Vinyl Seat Covering

Seat Belts - Lap and Shoulder w/Locking Seat Belt Retractors

Side Markers - Lamps and Reflectors

Key Type Starter Switch

Steering Column, Fixed

Steering Wheel – Two Spoke Urethane Grip

Painted Spokes & Bulldog

Horn Cap

Interior Sun Visors Both Sides Turn Signal Switch, Manual

Cancelling

Windshield Corner Wind

Deflector

Safety Tinted Windshield, Side

ety Tinted Windshiel and Rear Windows

Windshield Corner Wind Deflector

Windshield Washers - Wiper Mounted with 7qt Reservoir

Windshield Wipers – Electric Motor w/Intermittent Feature

Paint – Mack White (Cab, Hood & Fenders), Mack Black

(Chassis Running Gear)

#### **ADDITIONAL STANDARD SPECIFICATIONS**

## AIR/BRAKE

Dual Air Brake System
Air Dryer - Heated 1800 w/Coalescing Filter
Air Reservoirs - Steel 5100 in.<sup>3</sup> Capacity
Bendix Anti-Lock Brake System

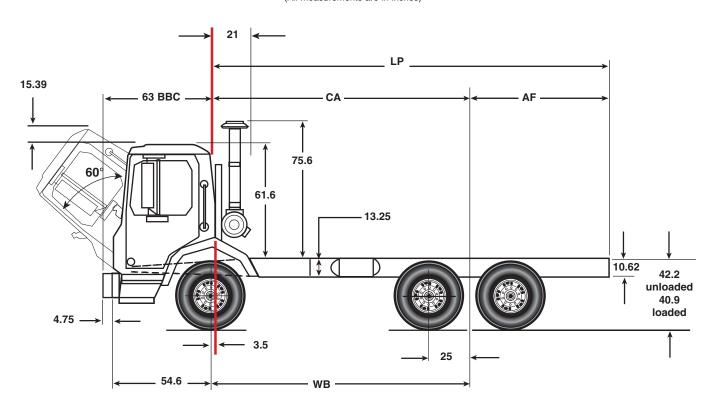
#### **ELECTRICAL**

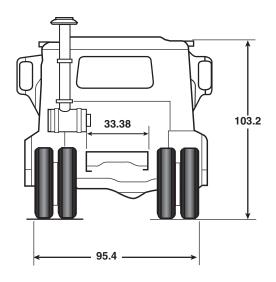
12Volt Electrical System
Battery Box & Covers – Painted Steel Cover
Daytime Running Lights
Electric Circuit Protection Package
Waterproof Electrical Connections
Body Link II
Headlights – (2) Single Round Halogen Lamps
Rear Lighting
Transistorized Turn Signal



# STANDARD CHASSIS DIMENSIONS

(All measurements are in inches)





#### **FRAME**

Frame Rails w/Liner – 13.25 x 3.25" x .3125" Steel
Section Modulus, 26.06 in.3
RBM (per rail) – 3,127,200 lb. in.
Inside Channel Reinforcement
Bumper – Extended Swept Back Steel Channel
Bumper to Back of Cab (BBC) – 63"
Crossmembers – 1/2" Plate Type Bolted BOC Intermediate
1/8" Below Top of Rail
Front Tow Pin
Fuel Tank – 70 Gallon RH Steel 26" x 24" Rectangular
Diesel Exhaust Fluid (DEF) Tank – 11.8 Gallon, 22" Diameter, Frame

# STANDARD WHEELBASE/LOAD PLATFORM

Mounted on RH Side

For standard wheelbase and load platform information refer to your current version of MACKTRAQ



# **AVAILABLE DRIVELINE COMPONENTS**

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		
REAR AXLES				
38,000 lb. [17 237 kg]	MACK	S38R/SB38		
44,000 lb. [19 958 kg]	MACK	S440		
46,000 lb.	MACK	S440-46/S462		
[20 886 kg]	MERITOR	RT46-160		
52,000 lb. [23 600 kg]	MACK	S522		
58,000 lb. [26 309 kg]	MACK	S582		

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	

MP8—ENGINES		
MODEL	HORSEPOWER	
	MACK	
MP8-425M	425 HP [317 kW] @ 1500-1900 RPM 340 HP [254 kW] @ 2100	
MP8-455M	455 HP [339 kW] @1500-1900 RPM 420 HP [313 kW] @ 2100	
MP8-505M	505 HP [377 kW] @1500-1700 RPM 339 HP [253 kW] @ 2100	



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