

MACCK[®]

vocational

- Dump
- Mixer
- Construction



GRANITE

AXLE FORWARD

6x4

GU713

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 – 318 (18.7 cfm)

Air Cleaner – 11" Single Element

Alternator – Delco 12V 100A (24SI)

Batteries, (3) Mack 12V 650/1950 CCA Threaded Stub Type

Bug Screen – Radiator Mounted

Coolant Protection, -34°F (-37°C)

Mack Coolant Conditioner

Diesel Particulate Filter – Vertical RH Side Under Cab

Exhaust After Treatment System – Ceramic

Mack PowerLeash™ Engine Brake

Silicone Engine Hoses and Tubing

Poly-V Fan Belt w/Automatic Tensioner

Fan Drive, Electronically Modulated Type

Flywheel Housing – Aluminum (Lightweight)

Fuel Water Separator w/Manual Drain

Mack EPDM Radiator & Heater Hoses

Radiator – Aluminum Core

Starter – 12V Gear Reduction

Electronic Starter Interlock

TRANSMISSION: MACK TM308

8-Speed, Ratios: 17.77 Low – 0.71 High

Clutch – CL7981/CL7983 15.5" Ceramic 9 Spring, 6 Paddle,

Manual Adjust

Mechanical Cable Clutch Assist

Transmission Bell Housing – Aluminum

Main Driveline – Meritor 17N HD

Interaxle Driveline – Meritor 17N HD

SPECIFICATIONS

STANDARD POWERTRAIN SPECIFICATIONS *(Continued)*

REAR AXLE: MACK S38R

38,000 lb Capacity
Tires – 11R22.5
Carrier – CRDP 150/151
Wheels – Steel Disc (8) 22.5" x 8.25" 10-Hole Hub Piloted
Hub Material – Ferrous
Brakes – Meritor "S" Cam 16.5" x 7" Q-Plus w/o Dust Shields
Brake Drums – Cast Outboard Mounted
Rear Brake Lining
Rear Wheel Seals
Slack Adjusters – Automatic
Suspension – Multileaf (Camelback) 38,000 lb Rating
Spring Brake Chambers – (4) 30/30 Double Diaphragm Type/Mechanical Spring Release

FRONT AXLE: MACK FXL12

12,000 lb. Capacity
Tires – 11R22.5
Wheels – Steel Disc (2) 22.5" x 8.25" 10-Hole Hub Piloted
Hub Material – Ferrous
Brakes – Meritor "S" Cam 16.5"x 5" Q-Plus w/o Dust Shields
Brake Drums – Cast Outboard Mounted
Front Brake Lining
Front Wheel Seals – Integrated
Shock Absorbers – Double Acting Type
Slack Adjusters – Automatic
Suspension – Mack Taperleaf 12,000 lb. Ground Load Rating (2 Leaf Spring)
Steering – Sheppard SD110

STANDARD CAB INTERIOR/EXTERIOR SPECIFICATIONS

CAB: CA68 CONVENTIONAL

Air Conditioner w/Integral Heater
Ash Tray
Cab Mounting – Four Point System w/2 Air Bags and Shocks at Rear
Cigar Lighter
Coat Hook
Co-Pilot Enhanced Driver Display with Button and Stalk Control
Cup Holders, Driver's & Rider's Side
Dome Lights, 2 Lamps LH/ 2 Lamps RH
Galvanized Steel Visibility Doors
Door Trim – Padded w/Vinyl Arm Rest Pads
Engine Shutoff – Key Type
Floor Mats, Mack Signature Polyurethane
Gauges – Air Pressure, Engine Coolant Temperature, Engine Oil Pressure, Engine Oil Temperature, Speedometer, Tachometer, Fuel Level
Gauge Cluster – Exhaust Pyrometer & Transmission Oil Temperature Gauges
Grab Handles, Aluminum RH & LH Behind Door
Grille – Silver Painted w/o Grille Surround
Hood & Fenders, Fiberglass – Camoplast
Hood Insulation
Horn – Mack Rectangular Single Trumpet Air Horn, Single Tone w/Snow Shield
Identification and Clearance Lights (5)
Instrument Panel – Charcoal w/Black Gage Bezel
Interior Trim: Purebred – Sandstone
Keys – (2) Keyed at Random
Low Air Pressure Indicator Light and Buzzer

Exterior Mirrors –RH & LH Bright Finish Mack Bulldog w/Stainless Steel Arms
Overhead Console, 2 Storage Compartments w/Net Retainers
Parking Brake On Indicator Light
12 Volt Auxiliary Power Outlets (2) – Dash Mounted
AM/FM Stereo CD w/Weather Band
CB – 5 way Binding Post
Driver Seat – Bostrom Talladega 915 Mid-Back Air Suspension
Rider Seat – Mack Fixed Mid-Back Non-suspension
Seat Belts – Lap and Shoulder w/Cab Mounted Shoulder Belt
Key Type Starter Switch
Steering Column, Adjustable
Tilt Telescope
Steering Wheel – Two Spoke
Urethane Grip Painted Spokes & Bulldog Horn Cap
Rear Storage Pouch
Interior Sun Visor Both Sides
RH Door Peep Window
Window Control – Hand Crank Operation
Windshield – Safety Tinted 2 Piece
Safety Tinted Side and Rear Windows
Windshield Wipers – Electric Wiper Mounted w/Reservoir Mounted under Hood
Windshield Wipers – 2 Speed Electric Motor w/Intermittent Feature
Paint Color – Mack White (Cab, Hood & Fenders), Mack Black (Chassis Running Gear)



ADDITIONAL STANDARD SPECIFICATIONS

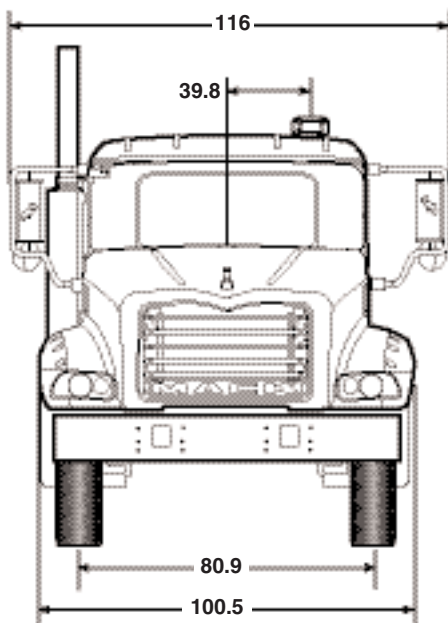
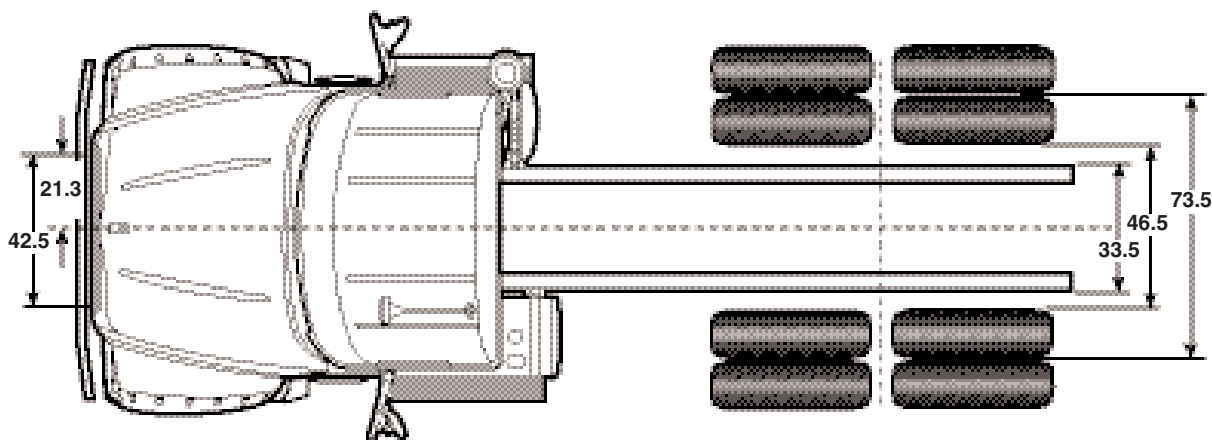
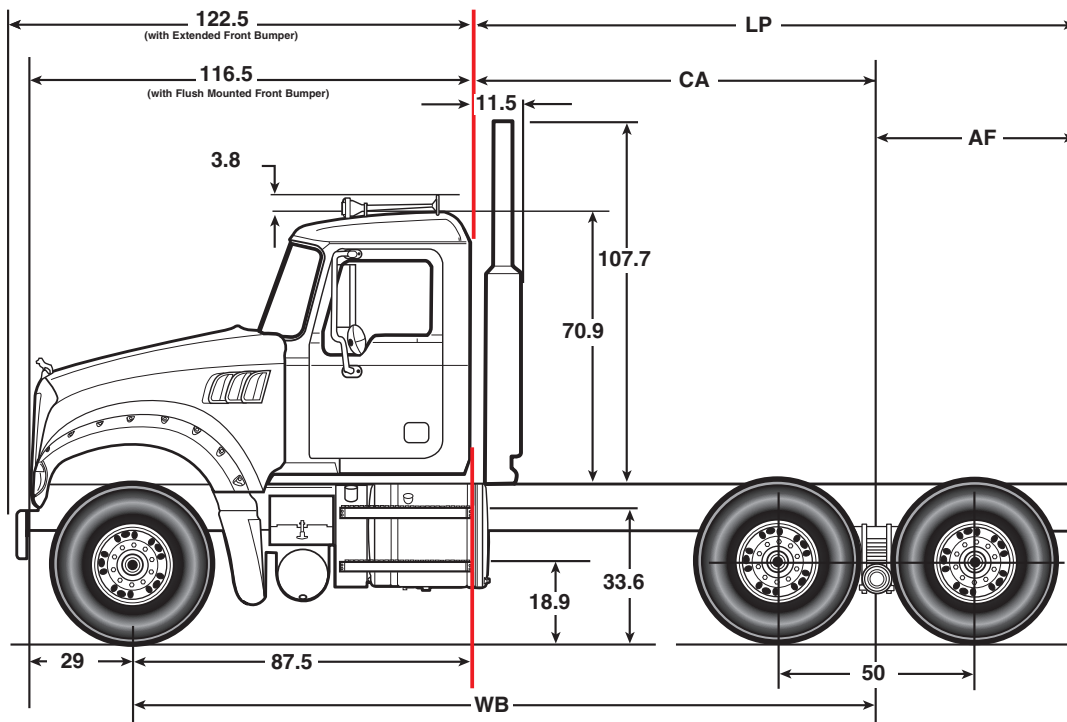
AIR/BRAKE

Dual Air Brake System
Air Dryer - 1200P w/Coalescening Filter
Air Reservoirs – Steel
Anti-Lock Brake System w/o Traction Control
Parking Brake Control – Single Valve System

ELECTRICAL

12 Volt Electrical System
Battery Box – Steel w/Molded Plastic Cover Mounted LH Rail
Courtesy Light Switch – Headlamp and Clearance
Daytime Running Lights
Electric Circuit Protection Package
Body Link II
Waterproof Electrical Connections
Headlights – Halogen Flush
Transistorized Turn Signal Flasher

STANDARD CHASSIS DIMENSIONS



FRAME EQUIPMENT/FUEL TANKS

- Frame Rail w/out Liner – 11.81" x 3.54" x .32" Steel
- Section Modulus – 17.7 in³
- RBM (per rail) – 2,120,000 lb. in.
- Front Bumper – Extended Swept Back Steel Channel
- Bumper to Back of Cab (BBC) – 122.5"
- Crossmembers – BOC & Intermediate(s) Steel HD Back-to-Back Channel
- Front Frame Extension
- Front Tow Hooks
- Fuel Tanks – 50 Gallon LH Steel 22" dia.
- Diesel Exhaust Fluid (DEF) Tank - 11.8 Gallon, 22" Diameter, Frame Mounted on Left Side with Painted Cover

STANDARD WHEELBASE/LOAD PLATFORM

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
T310MLR	10	27.31/0.71
T313	13	13.44/0.74
T313 LR	13	16.42/0.71
T318	18	13.44/0.71
T318LR	18	16.42/0.71

ALLISON

4000-EVS	5	3.51/0.74
4500-EVS	5	4.70/0.76
4500 RDS	5	4.70/0.76
4000-EVS	6	3.51/0.74
4500-EVS	6	4.70/0.67
4500 RDS	6	4.70/0.76

EATON FULLER

RTX-14609B	9	12.57/0.73
RTX-16709B	9	12.46/0.73
FRO-12210C	10	12.69/0.74
FRO-13210C	10	12.69/0.74
FRO-14210C	10	12.69/0.74
FRO-15210C	10	12.69/0.74
FRO-16210C	10	12.69/0.74
FRO-18210C	10	12.94/0.74
RTO-14908LL	10	14.56/0.74
RTO-14910B-AS3	10	10.69/0.74
RTO-14910C-AS3	10	12.80/0.73
RTO-16908LL	10	14.56/0.74
RTO-16910B-AS3	10	10.69/0.74
RTO-16910C-AS3	10	12.80/0.73
RTO-14909ALL	11	26.08/0.73
RTO-16909ALL	11	26.08/0.73
RTLO-14913A	13	12.31/0.73
RTLO-16913A	13	12.31/0.73
RTLO-18913A	13	12.31/0.73
RTO-14915	15	13.31/0.79
RTO-16915	15	13.31/0.79
RTLO-14918A-AS3	18	14.40/0.73
RTLO-14918B	18	14.40/0.73
RTLO-16918A-AS3	18	14.40/0.73
RTLO-16918B	18	14.40/0.73
RTLO-18918B	18	14.40/0.73

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	
MP8-415C	415 HP [309 kW] @ 1500-1700 RPM 390 HP [291 kW] @ 1950
MP8-445C	445 HP [332 kW] @ 1500-1700 RPM 420 HP [314 kW] @ 1950
MP8-505C	505 HP [377 kW] @ 1500-1700 RPM 430 HP [321 kW] @ 1950
MP8-425M	425 HP [317 kW] @ 1500-1800 RPM 340 HP [254 kW] @ 2100
MP8-455M	455 HP [339 kW] @ 1500-1700 RPM 420 HP [313 kW] @ 2100
MP8-505M	505 HP [377 kW] @ 1500-1700 RPM 339 HP [253 kW] @ 2100

AXLES

CAPACITY	MAKE	MODEL
FRONT AXLES		
12,000 lb. [5 443 kg]	MACK	FXL12
14,600 lb. [6 600kg]	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
REAR AXLES		
38,000 lb. [17 239 kg]	MACK	S38R/SB38
	MACK	SB38
40,000 lb. [18 144 kg]	DANA SPICER	DS405/DS405P
	MERITOR	RT40-145
44,000 lb. [19 958 kg]	MACK	S440
	MACK	S440-46/S462
46,000 lb. [20 866 kg]	DANA SPICER	D46-170HP
	MERITOR	RT46-160 RT46-164EH
52,000 lb. [23 586 kg]	MACK	S522
58,000 lb. [26 309 kg]	MACK	S582
65,000 lb. [29 484 kg]	MACK	S652



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