

STANDARD SPECIFICATIONS

MODEL DESIGNATION GU803

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 318 (18.7 cfm)
Air Cleaner, 11" Single Element
Dry Type, Under Hood
Alternator, 12V 100A – Delco (24SI)
Batteries, (3) Mack 12V M/F Group – 650 CCA
Total 1950 CCA w/Kalas Cables
Bug Screen, Radiator Mounted
Coolant Protection - 34°F (-37°C)
Mack Coolant Conditioner
Diesel Particulate Filter – Vertical RH Side Back of Cab
Exhaust After Treatment System, Ceramic 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
Aluminum Radiator
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
Driveline: Meritor 17N HD w/Coated Splines

CAB: CA68 CONVENTIONAL

Air Conditioner w/Integral Heater
Air Restriction Monitor, Graduated Lock Up Type
Air Cleaner Intake Mounted
Ash Tray
Cab Mounting, Air Suspension
Cigar Lighter
Coat Hooks, (2)
Drivers & Passengers Side Cup-Holders
Dome Lights:
4 Lamps RH/LH Dome Lamps
2 Cab Rear Dome Lamps
Doors, Galvanized Steel Visibility Doors
Engine Shutoff – Key Type Control
Floor Mats, Mack Signature Polyurethane
Air Pressure Gauge
Voltmeter
Gauge Cluster:
Exhaust Pyrometer and Transmission Oil
Temperature Gauges
Engine Coolant Temperature Gauge
Engine Oil Pressure Gauge
Engine Oil Temperature Gauge
Fuel Level Gauge
Speedometer w/Trip Odometer
Engine Tachometer Electronic w/Hourmeter

MACK

GRANITE AXLE BACK 6X4



- Cornerstone Chassis
- Axle Back 6 Wheel Truck
- ABS (Anti-Lock Brake System)

STANDARD

ENGINE: MACK MP7-325M
325 HP Peak Horsepower

TRANSMISSION: MACK TM308
8-Speed

FRONT AXLE: MACK FXL12
12,000 lb. Capacity

REAR AXLE: MACK SS38R
38,000 lb. Capacity
Suspension: SS38 Mack Multileaf
38,000 lb. Rated



STANDARD SPECIFICATIONS

(Continued)

CAB: CA68 CONVENTIONAL (Continued)

Grab Handles, Aluminum RH & LH Behind Door
Horn, (1) Mack Rectangular Single Trumpet
Single Tone Electronic
Identification and Clearance Lights (5)
Instrument Cluster:
 Segmented LCD Drive Display
Instrument Panel, Charcoal with Black Gage Bezel
Interior Trim: Purebred – Sandstone
Keys, 2 – Keyed at Random
Low Pressure Indicator, Light and Buzzer
Exterior Mirrors, 8" Convex RH & LH Bright Finish Mack Bulldog
 w/Stainless Steel Arms
Parking Brake On Indicator Light
Power Outlets (2) 12 Volt Dash Mounted
Radio Accommodation Package
 Includes: Antenna, Power Supply and 2 Speakers
CB – 5 way Binding Post
CB Radio Mounting Reinforcement
Seating:
 Driver – Bostrom Talladega 915 Mid-Back Air Suspension
 Rider – 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
 and Bulldog Horn Cap
Overhead Console, 2 Storage Compartments w/Net Retainers
Rear Storage Pouch
Sun Visor, Interior Both Sides
Standard Hand Crank Window Control
Windshield – 2 Piece Safety Tinted
Windshield Washers, Wiper Mounted w/Reservoir
 Mounted under Hood
Windshield Wipers:
 2 Speed Electric Motor w/Intermittent Feature

HOOD & FENDERS:

Fiberglass - Camoplast
Grille, Silver Painted w/o Grille Surround

FRAME:

Wheelbase (WB) – 192"
Load Platform (LP) – 201"
Cab to Axle (CA) – 127"
Axle to End of Frame (AF) – 74"
Frame Rails – Steel
Cross Section – 11.81" x 3.54" x .32"
Section Modulus, 17.7 in.³
RBM (per rail) – 2,120,000 lb. in.
Bumper: Extended Swept Back – Steel Channel
Bumper to Back of Cab (BBC) – 122.5"
Front Tow Hooks
Front Frame Extension

FUEL TANKS:

Capacity/Location: 50 Gallon LH
Steel, 22" Diameter

FRONT AXLE: MACK FXL12

12,000 lb. Capacity
Tires: 11R22.5 Singles
Wheel Equipment: (2) 22.5" x 8.25" Hayes Lemmerz 10-Hole
 Hub Piloted 1 1/4" Bolt Circle
Brakes: Meritor "S" Cam 16.5"x 5" Q-Plus w/o Dust Shields
Shock Absorbers, Front
Slack Adjusters – Automatic
Suspension:
 Mack Taperleaf 12,000 lb. Ground Load Rating
 2 Leaf Spring
Steering: TAS-66 TRW 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" Hayes Lemmerz 10-Hole
 Hub Piloted 1 1/4" Bolt Circle
Brakes: Meritor "S" Cam 16.5"x 7" Q-Plus w/o Dust Shields
Wheel Seals – Oil
Slack Adjusters – Automatic
Spring Brake Chambers:
 (4) 30/30 Double Diaphragm Type – 2 Mtd. on Each Axle
 Mechanical Spring Release

AIR/BRAKE:

Dual Air Brake System
Air Dryer – Meritor System Saver 1200P
Air Reservoirs – Steel 6,560 in³ Capacity
Anti-Lock Brake System w/o Traction Control
Brake Control – Single Valve Brake System

ELECTRICAL:

Battery Box – Steel w/Molded Plastic Cover
 Mounted Left-hand Rail
Courtesy Light Switch – Headlamp and Clearance
Daytime Running Lights
Electric Circuit Protection Package
Waterproof Electrical Connections
Body Link II
Headlamps – Halogen Flush Mounted
Transistorized Turn Signal

PAINT:

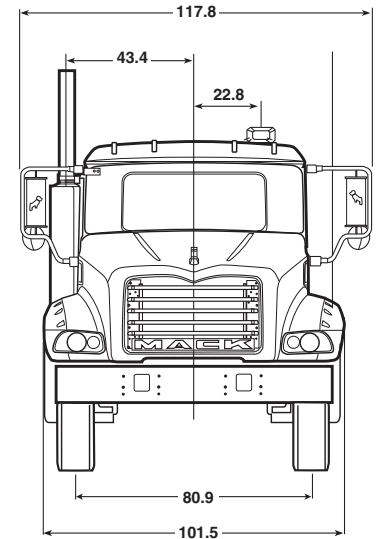
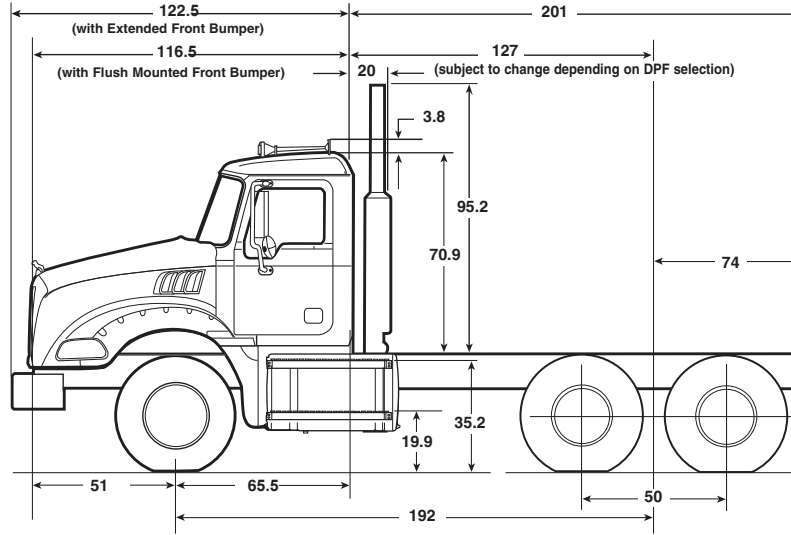
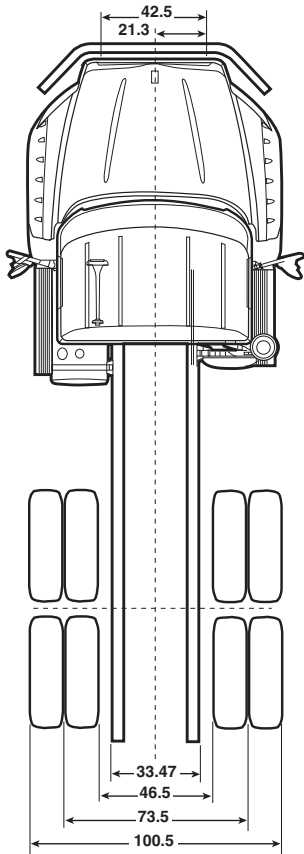
Cab, Hood and Fenders:
 Mack White (High Gloss)
Urethane Base Coat w/o Clear Coat
 Chassis Running Gear:
 Mack Black (Urethane)

WEIGHT:

Font: 8,683
Rear: 7,253
TOTAL: 15,936

CHASSIS SPECIFICATIONS

(All measurements are in inches)



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

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
MP8-485C	485 HP [362 kW] @ 1500-1700 RPM 455 HP [339 kW] @ 1950
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
MP8-485M	485 HP [362 kW] @ 1500-1900 RPM 455 HP [339 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
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

TRANSMISSIONS (Cont'd)		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
EATON FULLER		
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

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
TANDEM REAR AXLES		
38,000 lb. [17 239 kg]	MACK	S38R/SB38
40,000 lb. [18 144 kg]	MACK	SB38
	DANA SPICER	DS405/DS405P
	MERITOR	RT40-145
44,000 lb. [19 958 kg]	MACK	S440
46,000 lb. [20 866 kg]	MACK	S440-46/S462
	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

OPTIONAL EQUIPMENT

FRAME:

Optional Frames without Reinforcement

Rail Dimensions: 11.81" x 3.54" x .37"
 Section Modulus: 20.6 in.³
 Resistance Bending Moment (RBM) 2,470,000 lbs. in.

Rail Dimensions: 11.81" x 3.54" x .44"
 Section Modulus: 23.5 in.³
 Resistance Bending Moment (RBM) 2,820,000 lbs. in.

Rail Dimensions: 11.81" x 4.13" x .44"
 Section Modulus: 26.3 in.³
 Resistance Bending Moment (RBM) 3,160,000 lbs. in.

Optional Frames with Reinforcement

Rail Dimensions: 11.81" x 3.54" x .32" w/partial inside channel reinforcement
 Section Modulus: 26.9 in.³
 Resistance Bending Moment (RBM) 3,230,000 lbs. in.

Rail Dimensions: 11.81" x 3.54" x .37" w/partial inside channel reinforcement
 Section Modulus: 29.8 in.³
 Resistance Bending Moment (RBM) 3,580,000 lbs. in.

Rail Dimensions: 11.81" x 3.54" x .37" w/full inside channel reinforcement
 Section Modulus: 29.8 in.³
 Resistance Bending Moment (RBM) 3,580,000 lbs. in.

Rail Dimensions: 11.81" x 3.54" x .44" w/partial inside channel reinforcement
 Section Modulus: 32.7 in.³
 Resistance Bending Moment (RBM) 3,920,000 lbs. in.

Rail Dimensions: 11.81" x 4.13" x .44" w/partial inside channel reinforcement
 Section Modulus: 35.5 in.³
 Resistance Bending Moment (RBM) 4,260,000 lbs. in.

Wheelbase Availability: 149" to 304"

CAB, OPTIONAL INTERIOR TRIM LEVELS:

Trim Level II – Pedigree: Refer to MackTraQ for complete description
 Trim Level III – Champion: Refer to MackTraQ for complete description

OTHER OPTIONAL EQUIPMENT:

Air Compressor Option

Air Dryers
 Air Horn Options
 Alternator Options
 Back-Up Alarm
 Batter Disconnect Switch
 Battery Box Cover, Polished Aluminum
 Battery Options
 Bright Finish Grille
 Bug Screen Options
 Bumper Options
 Co-Pilot Driver Information Display
 Crossmembers, I-Beam Type
 Dash Mounted Switches
 Dust Shields, Front & Rear
 Engine Block Heaters
 Engine Starting Aid
 Exhaust Dual
 Fire Extinguisher

Fog Lights
 Front & Rear Wheel Equipment Options
 Fuel Heater
 Gauge Cluster Options
 Hand Control Valve
 Hood Insulation
 Hubodometer
 In-Dash Storage
 Instrument Panel Trim
 Keyed Alike Chassis
 Keyless Entry
 Marker and Clearance Light Options
 Metric Gauges
 Mirror Options
 Overhead Storage, 3 Compartments
 Personalized Name Plate
 Power Take Off Options
 Power Windows & Locks

Push Button Start
 Radiator Guard
 Radio and Weather Band Options
 Rear Mud Flaps
 Reflector Kit
 Roof Vent
 Seat Options, Driver & Rider
 Sliding Rear Window
 Starter Option
 Steering Wheel Selections
 Sun Visor Exterior
 Tool Box
 Trailer Connection Packages
 Two Valve Dual Brake System
 Wheel Lugwrench
 Work Lights