

STANDARD SPECIFICATIONS

MODEL DESIGNATION CXU603

ENGINE: MACK MP8-415C

Peak Horsepower – 415HP at 1500-1700 RPM
Horsepower – 390 HP at 1950 Gov. RPM
Max. Torque – 1660 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
Air Intake from Both Sides of Hood
Alternator, 12V 100A – Delco (24SI)
Batteries, (3) Mack 12V M/F Group – 650 CCA
Total 1950 CCA w/Kalas Cables
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
Mack EPDM Radiator & Heater Hoses
Aluminum Radiator
Starter, 12V Gear Reduction
Electronic Starter Interlock

CLUTCH: EATON/FULLER, CL7982

15.5" Two-Plate w/Dampened Ceramic Coax
Manual Adjust
9-Spring 4-Paddle Driven Disc & 2" Diameter Spline

TRANSMISSION: FULLER, FRO-16210B

10-Speed, Ratios: 11.06 Low – 0.75 High
Driveline: Meritor 176N w/Coated Splines

CAB: CA68 CONVENTIONAL

Air Conditioner w/Integral Heater – R134a Refrigerant
Air Restriction Monitor, Graduated Lock Up Type
Air Cleaner Intake Mounted
Ash Tray
Cab Mounting
Four Point System w/2 Air Bags and Shocks at Rear
Cigar Lighter
Coat Hook (2)
Cup Holders, Driver's & Rider's Side
Dome Lights, 2 Lamps LH/ 2 Lamps RH
Doors, Galvanized Steel Visibility Doors
Engine Shutoff – Key Type Control
Floor Mats, Mack Signature Polyurethane
Air Pressure Gauge – Primary & Secondary
Voltmeter – Digital Gauge Cluster:
Exhaust Pyrometer and Transmission Oil
Temperature Gauges
Engine Coolant Temperature Gauge
Engine Oil Pressure Gauge
Fuel Level Gauge
Speedometer, Electronic w/Trip Odometer
Engine Tachometer Electronic w/Hourmeter
Safety Tinted Windshield, Side and Rear Windows
Grab Handles, Black Finish RH & LH Behind Door
Horn, Air Horn Single Tone Electronic
Identification and Clearance Lights (5)

MACK

PINNACLE AXLE BACK 6X4 SERIES



- Conventional Cab
- Advantage Chassis
- Set-Back Front Axle
- 6-Wheel Tractor
- ABS (Anti-Lock Brake System)

The MACK Pinnacle Axle Back is for fleet owner and owner-operator alike, a total chassis optimized through computer-aided design for an excellent strength-to-weight ratio. The cab incorporates exceptional room and comfort with the highest standards of fit and finish. The cab ride is an innovative cab air suspension, providing unsurpassed smoothness and comfort. The axle-back configuration contributes to handling ease, while the quiet roomy interior caters to the driver's every need.

STANDARD

ENGINE: MACK MP8-415C
415 HP [309 kW] Peak Horsepower

TRANSMISSION: FULLER, FRO-16210B
10-Speed

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

REAR AXLE: MERITOR RT40-145
40,000 lb. [18 144 kg] Capacity



STANDARD SPECIFICATIONS

(Continued)

CAB: CA68 CONVENTIONAL (Continued)

Instrument Cluster:
 Segmented LCD Driver's Display
 Instrument Panel, Charcoal Gray
 Interior Trim: Genuine – Slate Gray
 Keys, 2 – Keyed at Random
 Low Air Pressure Indicator, Light and Buzzer
 Exterior Mirrors, Body Colored Aero Mirrors
 w/Integrated Convex Mirror
 Parking Brake On Indicator Light
 Radio Accommodation Package
 Includes: Antenna, Power Supply and 2 Speakers
 CB – 5 way Binding Post
 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
 w/Fixed D-Ring for Driver and Rider Seats
 Side Markers – Lamps and Reflectors
 Key Type Starter Switch
 Steering Column, Adjustable Tilt Telescope
 Steering Wheel, Two Spoke Urethane Grip Painted Spokes
 and Bulldog Horn Cap
 Overhead Console, 3 Storage Compartments w/Nets
 Sun Visor, Interior Both Sides w/Ticket Holder
 Turn Signals, Integral w/Fender
 Window Control, Standard Hand Crank
 Windshield – 2 Piece
 Windshield Washers, Wiper Mounted w/Reservoir
 Mounted under Hood
 Windshield Wipers:
 2 Speed Electric Motor w/Intermittent Feature

HOOD & FENDERS:

One Piece Fiberglass w/Wheel Splash Aprons
 SMC (Sheet Molding Compound)
 Grille, Bright Finish Bars w/Bright Finish Surround

FRAME:

Wheelbase (WB) – 162"
 Load Platform (LP) – 153"
 Cab to Axle (CA) – 96"
 Axle to End of Frame (AF) – 56"
 Frame Rails – Steel
 Cross Section – 10.47" x 3.54" x .24"
 Section Modulus, 11.6 in.³
 RBM (per rail) – 1,390,000 lb. in.
 Tapered and Flanged Rail Ends - 28°
 Bumper: Stainless Steel Clad Aluminum Flush Mounted
 Bumper to Back of Cab (BBC) – 116"
 Fifth Wheel: Fontaine SL3ASB Air Slide
 Front Towing, Clevis (2)

FUEL TANKS:

Capacity/Location: 93 Gallon LH & RH
 Unpainted Aluminum, 26" Diameter

FRONT AXLE: MACK FXL12

12,000 lb. Capacity
 Tires: 295/75R22.5 (Low Profile)
 Wheel Equipment: (2) 22.5" x 8.25" Alcoa 10-Hole Hub Piloted
 Aluminum Disc, 11¼" Bolt Circle
 Brakes: Meritor "S" Cam 15"x 4" Q-Plus w/o Dust Shields
 Shock Absorbers
 Slack Adjusters – Automatic
 Suspension:
 Mack Taperleaf 12,000 lb. Ground Load Rating
 2 Leaf Spring
 Steering: TAS-66 TRW Integral Power Steering

REAR AXLE: MERITOR RT40-145

40,000 lb Capacity
 Carrier – Malleable Housing
 Suspension – Maxlite 40EZ 40,000 lb Capacity
 Tires: 295/75R22.5 (Low Profile)
 Wheel Equipment: (8) 22.5x8.25 Alcoa 10-Hole Hub Piloted,
 Aluminum Disc, 11¼" 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:
 (2) 30/30 Double Diaphragm Type
 Mechanical Spring Release

AIR/BRAKE:

Dual Air Brake System
 Air Dryer – Meritor System Saver 1200P
 Air Reservoirs – Steel 5961 in³ Capacity
 Single Compartment Primary and Two
 Compartment Supply/Secondary
 Mack Road Stability Advantage System
 Brake Control – 2 Valve Dual Brake System
 Trailer Supply and Tractor-Trailer Park
 Hand Control Valve for Trailer Brake
 Trailer Connection Package: Semi
 (2) 12' Air Hoses w/Integral Glad Hand Electrical Plug Holder
 Storage Bracket
 (1) 12' Seven Wire Cord w/Seven Wire Plug on Each End
 Ground Reachable,
 Breakaway Safety Valve
 Conspicuity Treatment to Back of Cab

ELECTRICAL:

Battery Box – Steel w/Molded Plastic Cover
 Mounted Left-hand side Under Cab
 Courtesy Light Switch – Headlamp and Clearance
 Daytime Running Lights
 Doubles Trailer Electrical Package
 Electric Circuit Protection Package
 Waterproof Electrical Connections
 Rear Lighting – (2) Combination Stop, Tail Directional and
 Back-Up Lights
 Headlights – Flush mounted Rectangular Halogen Lamps
 w/Lexan Lens, Replaceable Bulbs
 Transistorized Turn Signal Flasher

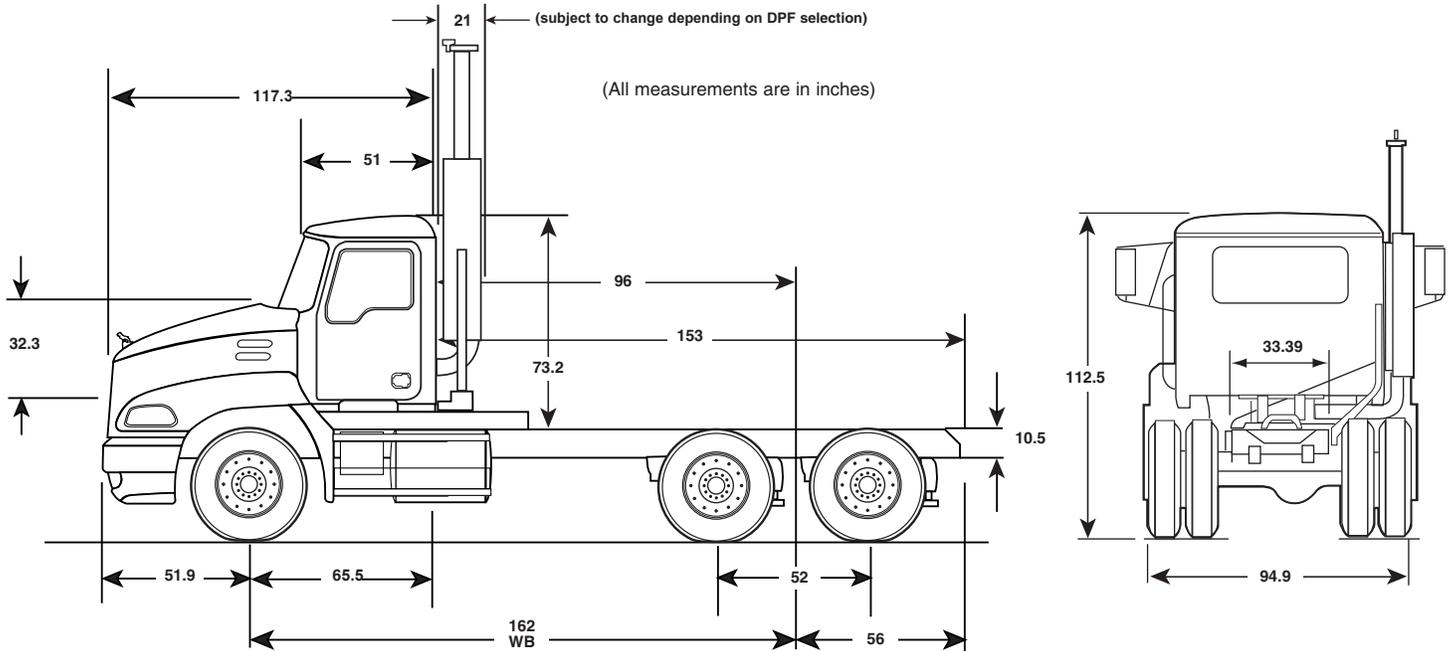
PAINT:

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

WEIGHT:

Font: 8,553
 Rear: 6,213
 TOTAL: 14,766

CHASSIS SPECIFICATIONS



AVAILABLE DRIVELINE COMPONENTS

MP7—ENGINES	
MODEL	HORSEPOWER
MACK	
MP7-325E	325 HP [242 kW] @ 1500-1800 RPM 325 HP 242 kW @ 1800
MP7-355E	355 HP [265 kW] @ 1500-1800 RPM 355 HP [265 kW] @ 1800
MP7-405E	405 HP [302 kW] @ 1500-1800 RPM 405HP [302 kW] @ 1800
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

MP8—ENGINES	
MODEL	HORSEPOWER
MACK	
MP8-425E	425 HP [317 kW] @ 1500-1800 RPM 425 HP [317 kW] @ 1800
MP8-455E	455 HP [339 kW] @ 1500-1800 RPM 455HP [339 kW] @ 1800
MP8-485E	485 HP [362 kW] @ 1500-1800 RPM 485 HP [362 kW] @ 1800
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

TRANSMISSIONS		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
MACK		
T306G	6	7.50/0.71
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
T313LR	13	16.42/0.71
T313	13	13.44/0.71
T318LR	18	16.42/0.71
T318	18	13.44/0.71
ALLISON		
4000-HS	5	3.51/0.74
4500-HS	5	4.70/0.76
4000-RDS	5	3.51/0.74
4500-RDS	5	4.70/0.76
4000-HS	6	3.51/0.64
4500-HS	6	4.70/0.67
4000-RDS	6	3.51/0.64
4500-RDS	6	4.70/0.64

TRANSMISSIONS (Continued)		
MODEL	SPEEDS	RATIOS (LOW/HIGH)
EATON FULLER		
RTX-13609B	9	12.57/0.73
RTX-14609B	9	12.57/0.73
RTX-16709B	9	12.46/0.76
FRO-13210B	10	11.06/0.75
FRO-13210C	10	12.69/0.74
FRO-14210B	10	11.06/0.75
FRO-14210C	10	12.69/0.74
FRO-15210B	10	11.06/0.75
FRO-15210C	10	12.69/0.74
FRO-16210B	10	11.06/0.75
FRO-16210C	10	12.69/0.74
RTO-14908LL	10	14.56/0.74
RTO-16908LL	10	14.56/0.74
FR-13210B	10	14.80/1.00
FR-14210B	10	14.80/1.00
RTLO-14913A	13	12.31/0.73
RTLO-16913A	13	12.31/0.73
RT-14915	15	16.94/1.00
RTO-14915	15	13.31/0.79
RTO-16915	15	13.31/0.79
RTLO-14918B	18	14.40/0.73
RTLO-16918B	18	14.40/0.73
EATON FULLER-AUTO SHIFT		
RTO-16910B-DM3	10	10.96/0.74
RTO-14910B-DM3	10	10.96/0.74
RTO-14910B-AS3	10	10.96/0.74
RTO-14910C-AS3	10	12.80/0.73
RTO-16910B-AS3	10	10.96/0.74
RTO-14910C-AS3	10	12.80/0.73
RTLO-14918A-AS3	18	12.19/0.73
RTLO-16918A-AS3	18	12.19/0.73

AVAILABLE DRIVELINE COMPONENTS (Continued)

AXLES		
CAPACITY	MAKE	MODEL
FRONT AXLES		
12,000 lb. [5 443 kg]	MACK	FXL12
	DANA SPICER	E1202I
	MERITOR	FF966
	HENDRICKSON	STEERTEK
14,600 lb. [6 486 kg]	MACK	FXL14.6
	HENDRICKSON	STEERTEK
	MERITOR	FG941

AXLES		
CAPACITY	MAKE	MODEL
TANDEM REAR AXLES/SUSPENSION		
38,000 LB. [17 237 kg]	MACK	S38R
40,000 lb. [18 144 kg]	MACK	S40
	DANA SPICER	DS405(P) DST40(P)/41(P)
	MERITOR	RT40-145(A)
44,000 lb. [19 958 kg]	MACK	S440
46,000 lb. [20 866 kg]	MACK	S440-46/462
	MERITOR	RT46-160 RT46-164EH

OPTIONAL EQUIPMENT

FRAME:

Rail Dimensions: 10.47" x 3.54" x .28"
 Section Modulus: 13.3 in.³
 Resistance Bending Moment (RBM) 1,600,000 lbs. in.

Rail Dimensions: 10.47" x 3.54" x .32"
 Section Modulus: 15.0 in.³
 Resistance Bending Moment (RBM) 1,810,000 lbs. in.

Rail Dimensions: 11.81" x 3.54" x .34"
 Section Modulus: 20.6 in.³
 Resistance Bending Moment (RBM) 2,470,000 lbs. in.

Wheelbase Availability: 144" to 248"

CAB, OPTIONAL INTERIOR TRIM LEVELS:

Trim Level II – Custom: Refer to MackTraQ for complete description
 Trim Level III – Grand Touring: Refer to MackTraQ for complete description

SLEEPER BOXES:

Interior Color Matches that of the Cab Interior
 48" Flat Top
 56" Flat Top
 60" Mid Rise
 70" Mid Rise
 70" High Rise

AERO AIDS:

Roof Fairings
 Side Shields

OTHER OPTIONAL EQUIPMENT:

ABS Options
 Aerodynamic Aids
 Air Dryer Options
 Air Horns
 Air Reservoir, Aluminum
 Alternator Options
 Back of Cab Reflectors
 Back-Up Alarm
 Batter Box Cover, Aluminum
 Battery Disconnect Switch
 Battery Options
 Brake Equipment Options
 Bright Finish Exhaust
 Bright Finish Fuel Tanks
 Bug Screen
 Cab Window Options
 CB Radio Options
 Coolant Protection
 Co-Pilot Driver Information Display
 Crossmember Options
 Dash Mounted Switches
 Door Interior Trim Panels
 Dual Exhaust

Engine Block Heater
 Engine Starting Aid
 Fifth Wheel & Related Equipment
 Fire Extinguisher
 Fog Lights
 Fuel Heater
 Gauge Cluster Options
 Hood Insulation
 Hubodometer
 Identification/Clearance Lights
 In-Dash Storage
 Instrument Panel Trim
 Keyed Alike Chassis
 Keyless Entry
 Metric Gauges
 Mirror Options
 Mud Flaps
 Overhead Console, 2 Compartments
 Permit Plates
 Personalized Name Plate
 Power Windows & Locks
 Push Button Start
 Quarter Fenders
 Reflector Kit

Seat Options, Driver & Rider
 Side Shield Extensions
 Sliding Rear Window
 Starter Option
 Steering Wheel Options
 Stereo Radio Options
 Storage Console
 Sun Visor, Exterior
 Synthetic Lubricants
 Trailer Hook-Up Lamp
 Wheel Equipment Options
 Wheel Lugwrench
 Windshield Curtain