



E-Z Pack Manufacturing, LLC

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E-Z PACK WORK READY TRUCKS



**Hercules Commercial Front Loader
 FLOO80J40SE**

Please contact Karen Seevers,
 Ready Trucks Manager for pricing.
 (859) 235-2018

2012 Mack MRU613 (2010 emission)

Overview

Engine Specifications

Mack MP-7 325
 New 2010 Emissions Engine
 325 HP
 Engine Brake (Mack Powerleash)
 Suspension SS462

Transmission Specifications

Allison 4500 RDS-6

Axle / Tires Specifications

Front: 20,000 Capacity
 Rear: 46,000 Capacity
 GVWR: 65,540
 RE Ratio: 4.80
 Tire Size: 315/80R22.5 Front, 11R 22.5 Rear

Wheelbase / Platform Specifications

210" Wheelbase
 Front-Steel; Rear- Steel

Interior Specifications

AM FM WB CD
 Convex Mirrors
 Heated Mirrors
 Stationary Passenger Seat
 Air Ride Drivers Seat

Exterior Specifications

80 Gal RH Tank; Steel Fuel Tanks
 Steel Bumper
 Single BOC Exhaust

****Full list of specifications on following pages.**

Body Specifications

40 Cubic Yard Total Capacity – Full Eject
 Muncie MLSM Front Pump with overspeed protection
 Fold Down Side Body Access Lader
 7 Gauge Body Sides
 Hopper Sump Overlay
 Front Body Screen
 Additional 10 Gallon Hopper Side Liner
 Top Door and Fork Interlock
 Additional Set of Spring Loaded Body Holddowns
 HD Bumper Pads
 4 Smart Strobes on Tailgate
 10" Cab Shield Extension
 Sliding Hopper Cover
 Sharks Teeth
 Hopper Flood Light
 2 Amber Flashing Lights
 Trapezoidal Side Body Backup Lights
 Container Flood Light
 Individual Air Controls for Arms and Forks
 Autocycle Retract Switch
 Safety Vision Heated and Shuttered Rear Vision
 Camera with In-Cab Monitor
 Rear Body Hinge with Props
 High Pressure Filter Between Pump & Main Valve
 Body

Hydraulic Specifications

6 Micron Hydraulic Filter

Paint Specifications

White Powder Coat Paint Finish

2012 Mack MRU613 (2010 emission)

Order/Customer/Vehicle Information

Initial Registration Location: Ohio, USA

Idle Emission Certification: CARB 08

Type of Service: Commercial

Vehicle Application Class: Heavy Vocational

- *Unlimited operation on concrete, asphalt, or maintained gravel/packed dirt with a maximum 3% grade.*
- *Limited operation on unmaintained surfaces with maximum 5% grade*
- *Limited operation on concrete, asphalt or maintained gravel/packed dirt with maximum 10% grade.*
- *3 Axles, 78,000 lbs (35,281 kg) Max. GVW*
- *4 Axles 80,000 lbs (36,288 kg) Max. GVW*

Carrier Application: With CRD 150-151

- *Unlimited miles on 3% grade maintained gravel/packed dirt or paved*
- *Max 15% miles on 10% grade maintained gravel, gravel/packed dirt or paved, Max 10% miles on 5% unmaintained, maintained gravel, packed dirt, or paved.*
- *9000 lbs. (41,000 kg) Max. GCW*
- *Carrier Code USA-VI*

Vehicle Type: Straight Truck without Trailer

Vehicle Use and Body/Trailer Type: Refuse, Front Loader, On/Off Highway

Price Book Level: 2012A

Product Type: OM64R

Product Class: 29

Back Office Process: Back Office Process

BVS/Wheelbase/Platform

Chassis: Mack MRU 603, Base Model 6-Wheel Truck

Frame Rails: 13.25" x 3.25" x .3125" (337 x 83 x 8 mm) Steel Combined Rating with inside channel reinforcement. Section Modulus 26.06 cu in/RBM 3,127,200 in lbs. per rail.

Wheelbase: 210" (5334 mm) WB 207" CA (5258 mm)

Platform: 320" LP (8128 mm) 113 AF (2870 mm) Used with 210" WB

Frame Reinforcement: Inside ¼ inch Steel Channel

Engine/Transmission/Clutch

Engine: Mack MP7-325M 325 HP @ 1500-1900 RPM (Peak) 1200 lb ft. Max Torque @ 1100-1300 RPM

Transmission: 6 Speed Automatic, Allison 4500-RDS-6 (4.70/.067) Rugged Duty Series Generation 5 Includes Direct Mount Oil Cooler, Internal Filter and Oil Level Sensor

Clutch: Omit Clutch

Exhaust/Emissions

Diesel Particulate Filter: Diesel Particulate Filter Vertical Left Hand Side Back of Cab with SCR Vertical Right Hand Side BOC

Exhaust After-Treatment System: Exhaust After-Treatment System Diesel Particulate Filter Ceramic Active Regeneration

DPF Regeneration Control: Auto in Motion. Manual Stationary. Manual Inhibit DPF Smart Switch: Locking Inhibit DPF Regeneration Switch

Exhaust: DPF, Outboard, Single (R/S) Vertical Straight Exhaust Stack Plain End. Side Outlet Diffuser

Engine Equipment:

Air Compressor: Meritor/WabCo 636 (37.4 CFM)

Pre-Cleaner: Dry Type Cleaner

Alternator: Delco 12V 135 A (35SI) Brushless

Batteries: 3 Mack 12V 650/1950 CCA Threaded Stud Type to -34 Degrees F (-37 C)

Coolant: Mack Coolant Conditioner

Engine Brake: Mack Powerleash

Engine Block Heater: 120V 1500 Watt Engine Block Heater

Fan Drive: BEHR Fan and Electronic Modulating Fan Drive

Flywheel Housing: Aluminum

Fuel-Water Separator: Mack with Manual Drain Valve (Integral with primary fuel filter)

Oil Pan Heater: Without Oil Pan Heater

Starter: 12Volt Gear Reduction Starter

Electronic Starter: Interlock

Clutch/Transmission Equipment/Drivelines

Clutch Pedal: Without Clutch Pedal

Transmission Bell Housing: Aluminum

Furnish for Allison Transmission with Direct Mount Cooler

Synthetic Lubricant: Transmission Transynd Synthetic Lube for Allison Transmissions

Vocational Package: Allison, Allison Vocational Package #105142 Rugged Duty Series (RDS)- Refuse (AG)- One Selector

Driveline Main: Spicer 1810 HD with Coated Splines

Driveline Interaxle: Spicer 1710 HD with Coated Splines

Cab (A through G)

Air Conditioning: Mack Integral with Heater (Combo Heater/Air Conditioner Unit) W/R 134a Refrigerant

Air Conditioning Compressor: Sanden Rotary

Anti-scuff Cab Entry: Driver Side

Cab: CA531 Low-Profile COE (Welded Steel Galvanized Shell) Includes Mack Rust Preventative Procedures

Cab Lift/Tilt: Located in Standard Location

Certified Weight without Daytime Running Lights

MC Door on Left Hand Window (Roll-Up Window)

Engine Shut-Off: Key Type

Fenders: Polyurethane for Chassis and Cab Sections

Gauges: English Display

Gauge: Speedometer with Trip Odometer (Electronic 1% Accuracy)

Gauge: Tachometer

Transmission Gauge and Transmission Oil High Temperature Light

Gear Shift: Neutral to Range Inhibit

Glass- Cab: Cab Window Safety Tinted Windshield Side and Rear Windows

Furnish Additional Grab Handle on Dash on Rider's Side Grille: Standard Finish

Cab (H through R)

Horn- Air: 1 Twin Trumpet (Mounted Under Cab)

Keyed Alike Chassis: Key Number H661

Mirrors- Exterior: Moto Mirror Package Left and Right Hand Side Motorized and Heated

Mirrors- Convex Type: 8" Heated Convex Mirrors Left and Right Hand Side

Mud Flaps: 24" Front Fender Mounted

Forward Overhead Storage: 2 Radio Shelf, Driver Side AM/FM Stereo CD with Weatherband

Radio Antenna: CH Style COWL Mounted on Left Hand Side

Cab (S through Z)

Sear- Driver: Bostrom Talladega 905 (Mid-Black) Air Suspension

Seat Belts: Lap and Shoulder with Locking Seat Belt Retractors and “Komfort Latch” for Driver and Rider Seats

Driver’s and Rider’s Seat

Steering Wheel: Two Spoke Urethane Grip Painted Spokes and Bulldog Horn Cap

Turn Signal Switch: Manual Canceling Switch

Windshield Protector: Furnish

Windshield Wipers: 2 Speed Electric Motor with Intermittent Feature

Frame Equipment/Fuel Tanks

Bumper- Front: Swept Back Steel Channel Type Extended 63”/1600 mm BBC with Center Tow Pin

Cross members: Steel ½ inch PL Bolted BOC and INTERMDT 1/8” Below Top of Rail

Cross member (Behind Rear Axle): Web Channel Type

10” Front Frame Extension for Refuse Service

Skid Plate under Bumper and Radiator

Towing Device: Front Tow Pin

Fuel Tank- Right Hand Side: 80 Gallon (300 liter) Steel 26”x24’ Rectangular

6.6 Gallon (25 Liter) 22” Diameter Tank Right Side Mounted

Fuel Lines: All Hose

For Right Hand Fuel Tank: Includes Sump

Relocate Fuel Tank: Locate RH Tank as Far Forward as Possible, 5” Below Top of Rail

Front Axle/Equipment/Tires

Front Axles: 20,000 lb (9072 kg) Mack FXL20 Wide Pivot Center

Tires Brand/Type- Front: Bridgestone- Tubeless Radial PLY, (2) 315/80R22.5 20 L M860 (All Pos)

Wheels- Front: Steel Disc (10-Hole) (2) 22.5x9.0 (228 mm) Hayes Lemmerz 10-Hole Hub Piloted (11 ¼” 286 mm BC) (Five Hand Hole) (6.42” Inset)

Wheels- Polished (Front): Without Front Disc Wheel Bright Finish

Hubs- Front: Ferrous

Brakes- Front: Meritor “S” Cam Type 16.5” x 6” Q+

Brake Drums- Front: Cast Outboard Mounted

Brake Lining: Meritor R403 Brake Lining

Dust Shields- Front Brake: Furnish

Shock Absorbers: Front

Slack Adjusters- Front: Haldex- Automatic

Springs- Front: Mack Multileaf HD 20000 Lb (9072 kg) Ground Load Rating Static Load Cushions

Steering: XD120 Sheppard Steering Gear (Ratio 23:1)

Rear Axle/Equipment/Tires/Ratios

Rear Axle/Suspension: 46,000 lb (20866 kg) Mack S462 Cast Ductile Iron Housing, SS462 Mack Multileaf (Camelback) 46,000 lb

Tires Brand/Type- Rear: Bridgestone- Tubeless Radial PLY, (2) 315/80R22.5 20 L M860 (All Pos)

Carrier/Ratio- Rear Axle: CRDP 150/151, 5.04 Ratio

Wheels-Rear: Steel Disc (10-Hole) (2) 22.5x9.0 (228 mm) Hayes Lemmerz 10-Hole Hub Piloted (11 ¼" 286 mm BC) (Five Hand Hole)

Hubs- Rear: Ferrous

Brakes- Rear: Meritor Cam 16.5"x8" Q+ Includes Bronze Cam Bushing

Brake Drums- Rear: Cast Outboard Mounted

Hubs- Front: Ferrous

Abex 931-162 (Meritor R301)

Dust Shields- Rear Brake: Omit

Oil Seals: StemCo (Voyager)

Raised Rear Brake Chambers (Rear Axle Only)

Shock Insulators: Heavy Duty Urethane

Slack Adjusters- Rear: Haldex- Automatic

Springs: Anti-Sway

Spring Brake Chambers- Vendor: MGM Model TR-T (Tamper Resistant)

Spring Brake Chambers: Type 30/30 Rear

Transverse Torque Rod (Rear Axle Only)

Bronze Trunnion Bushing

Air/Brake

Air Control Valves- Vendor: Bendix Switches and Valves Where Possible

Air Dryer: Meritor /WabCo Heated Air Dryer, 1800 with Coalescing Oil Filter

Anti-Lock Brake System: Bendix ABS

Automatic Drain Valve: Bendix (Heated) (1) On Supply (wet) Tank

Manual Drain Valve Lanyard: Control on All Tanks with Manual Drain Valves

Electrical

Battery Box(es): Steel Base

Battery Box Covers: Molded Plastic

Battery Box- Mounting: Single Box 3 Battery Maximum Perp to Frame 11" from NTOF Flaming River Big Switch Wired on Positive Side

Battery Switch Warning Light: Furnish On or Near Battery Box (Light On In Run Position)

Computer and 2-Way Radio Dedicated Circuit

Electric Circuit Protection Package: 12 Volt with Circuit Breakers (Headlamp Circuit:

SAE Type I; All Other Circuits SAE Type II) Negative Ground System

Waterproof Electrical Connections Sprayed with Protective Coating

Control Link II Refuse BodyBuilder Electrical Connection System

Console Included With Control Link II

Headlights: (2) Single Round Halogen Lamps

Rear Lighting: Furnish Standard Taillights

Signal Flasher Type: Transistorized Turn Signal, ACD Triton

Provision for Local Installation of Strobe Lights

Paint

Paint- Cab Exterior: Single Color, Dark Green (PPG: 42761P)

Additional Charge for Vehicles with One or More Cab Colors Not Selected From the Mack Truck Color Specification Guide

Paint- Cab: Urethane Base Coat without Clear Coat

Paint- Cab Interior: Same Color as Cab Exterior Color

Paint- Chassis Running Gear: Mack Black (Urethane)

Paint- Bumper: Same as Chassis Running Gear

Paint- Fuel Tank: Same as Chassis Running Gear

Paint- Front Spoke Wheels: Without Optional Spoke Wheel Paint

Front Wheels: Pre-Finished White

Rear Wheels: Pre-Finished White

Paint Process Codes

Same as Chassis Running Gear (5ZB-A1X)

Chassis Running Gear- Standard Color (Mack Black) (6AB-Z1X)

Same as Chassis Running Gear (7HB-A1X)

Without Custom Paint for Hub and Drum/Spokes (5YB-Z1X)

Without Custom Painted Front/Rear Rim/Wheel (6BB-Z1X)

PTO/Specialty/Additional Equipment

PTO- Crankshaft Adapter: 1350 Series Flange for Front End Mixer or Refuse PTO Drive (Does not include Front Frame Extension)

PTO- Rear Engine (REPTO): Without Rear Engine Power Take Off

Hydraulic Pump: Furnish Pump MTG Provisions Including Wiring, Switches and Indicators as Required

Torque Converter: TC541

V-Mac IV Programmable Parameters

Cruise Control Settings with Allison Transmission:

- Cruise Control Max Set Speed : 65 mph
- Cruise Control Min Set Speed: 20 mph
- Cruise Control Autoresume with Clutch: Omit
- Cruise'n Brake Engagement Delay: 3 mph

DataMax Setting for Use with Instrument Cluster Display (C0J002)

- Engine Overspeed Company Limit: 2200 rpm
- Fueled Engine Overspeed Company Limit: 2100 rpm
- Vehicle Overspeed Company Limit: 75 mph
- Fueled Vehicle Overspeed Company Limit: 70 mph
- Idle Logging Delay: 2 minutes
- Periodic Trip Type: Monthly Trip Summary
- Periodic Trip Hour of Day 0 (disable)
- Periodic Trip Day of Week 0 (disable)
- Periodic Trip Day of Month 1
- EHT Max Engine Set Speed (RPM)

2100 rpm

- EHT Min Engine Set Speed: 700 rpm
- EHT Vehicle Speed Range Limit: 10 mph
- EHT Ramp Rate (RPM/Sec)
- EHT Single Speed Control Activation: Omit
- EHT Single Speed Control Set Speed: 0000 rpm
- EHT Jump-To-Min Set Speed: Omit
- Engine Protection- Oil Pressure Shutdown: Furnish
- Engine Protection- Coolant Level Shutdown: Omit
- Engine Protection- Coolant Temp Shutdown: Furnish
- Engine Protection- Engine Oil Temp Shutdown: Furnish
- Engine Protection Transmission Oil Temp Shutdown: Furnish

Governor Setting for Use with Automatic Transmissions

- Governor Type: Min-Max Governor
- Engine High Idle Speed in Upper Gears: 0000
- Engine Low Idle Set Speed: 650 rpm
- Driver Low Idle Adjust Feature Activation: Omit
- Smart Idle Feature Activation: Omit
- Smart Idle Elevated Idle RPM Time: 10 Minutes
- Idle Cooldown Feature Activation: Omit
- Idle Shutdown Feature Activation: Omit
- Idle Shutdown Time: 10 Minutes
- Idle Shutdown Warning Time: 30 Seconds
- Idle Shutdown Warm-Up Temperature: 100 Degrees F
- Idle Shutdown Warm-Up Timer: 5 Minutes
- Idle S/D Override with EHT: Omit

Governor Setting for Use with Automatic Transmissions (Continued)

- Idle S/D Override with PRO: Furnish
- Idle S/D Override with Engine Load: Furnish
- Maintenance Monitor Feature Activation: Furnish
- Maintenance Monitor OEM Default Intervals MP Vocational
- Maintenance Due Warning Percent: 90
- PTO 1 Max Engine Set Speed: 2100 rpm
- PTO 1 Min Engine Set Speed: 600 rpm
- PTO 1 Vehicle Speed Range Limit: 10 mph
- PTO 1 Ramp Rate (RPM/Sec): 100
- PTO 1 Single Speed Control Activation: Omit
- PTO 1 Single Speed Control Set Speed: 1000 rpm
- PTO 1 Single Speed Control Autoset: Omit
- PTO 1 Jump-to-Min Set Speed: Omit
- PTO 1 Vehicle Limiting Speed (MPH)
- PTO 2 Max Engine Set Speed: 2100 rpm
- PTO 2 Min Engine Set Speed: 600 rpm
- PTO 2 Vehicle Speed Range Limit: 10 mph
- PTO 2 Ramp Rate (RPM/Sec): 100
- PTO 2 Single Speed Control Activation: Omit
- PTO 2 Single Speed Control Set Speed: 1000 rpm
- PTO 2 Single Speed Control Autoset: Omit
- PTO 2 Jump-to-Min Set Speed: Omit
- PTO 2 Vehicle Limiting Speed (MPH)
- Speed Sensor Tamper Detection System Activation: Furnish
- Speed Sensor Tamper Detection System Torque Limit: 50%
- Customer Vehicle Limiting Speed: 65 mph
- LGVLS Feature Activation: Omit
- Lower Gear Vehicle Limiting Speed: 00 mph