


MACK
MC





The optional 800 hydraulic arm, with 360-degree swing for mechanical operation in around and for back lifts.



Mount on the MC to handle virtually any kind of package or material, even after rain.



Compact design provides easy access to hard-to-reach loading areas.

Power Options

to match your job requirements

Choose from a top-flight lineup of famous Mack Diesel power plants or the quality engines and transmissions of other manufacturers. Cooling system for all engines includes a 7,000-gal.-in. (21-452 only) radiator with four rows of tubes and a bypass-circuit fan.

Maxidyne® 207 hp

The 207 hp (151 kW) Maxidyne six-cylinder engine (272 414) delivers essentially constant horsepower over a wide operating range (1,200-1,600 RPM). It produces 100 peak torque at 1,000 RPM, 11,000 ft-lbs. at 1,200 RPM. When teamed with the Mackaquip® transmission, it operates with only two steady-state gears. This reduces shifting and reduces engine wearage road speeds at lower average engine RPMs, extends engine life and offers outstanding fuel economy. The industry's first high-torque (100 ft-lbs.) engine, the Maxidyne has revolutionized truck performance.



Maxidyne 200 Series

The Maxidyne 200 Series (202/217) was developed from the standard Maxidyne (207), its revolutionary air-to-air aftercooling system — the world's first for highway trucks — enables a substantial increase in horsepower. Rated at 285 hp (210 kW) at 1,600 RPM, with a peak torque of 100 ft-lbs. (1 363 Nm) at 1,000 RPM, it has the same fuel-efficient construction and durability that have made the name Maxidyne synonymous with economy.





MODEL MR-400P SERIES

STANDARD SPECIFICATIONS

(Based on Model MR-400P)

ENGINE 2004 (Conventional)

Type	6 Cylinders, Naturally Aspirated
Maximum Power	170 (125 kW)
Governed RPM	2000
Peak Torque @ RPM	488 lbs.-ft. (667 kg) @ 1300
Bore & Stroke	4.31" x 5.00" (110 x 127 mm)
Maximum Displacement	438 in. ³ (7.1 L)
Oil Pan	Dual Spin-on
Fuel Filter	Single Spin-on
Fuel/Water Separator	Angled Mounted
Injection Pump	Common-Rail Diesel Injection Type
Air Compressor	30-4000 (120 CFM @ 90 psi) Two-Port MA, 100 CFM @ 90 psi
Water	12 GPM, Labeled Service or Better
Air Cleaner	Gasoline Dry Type, w/ 2 nd Cleaner Mounted on Secondary Intake Air Filter Type
Oil	11.7 Gall (200 mm)
Air Intake	Direct, aluminum & Steel Mesh, 20000 CFM

Cooling System	Electrically Piped
Radiator	1 (200 in. ²) (3-60) w/ 40000 Btu/hr
Control	Antifreeze for -10°F (-23°C)
Fan Drive	Electric
Temperature	Set between 160°F (65°C) 180°F (82°C)
Water, Intake & Manager	Regulated
Exhaust	Insulating

CLUTCH CLM5 (Linked w/ CL 775-Link) 14" (356 mm), 3-Plate Organic

TRANSMISSION OM924-A-Spinon

No. of Speeds	4
1st Gear	7.19
High Gear	4.02

DRYWEIGHT 14100 lbs/6400

CAB CR-101

Construction	Aluminum, Insulating, All-Steel Structure, w/1100 lbs. Steel & Heavy-duty & Heavy-duty
Type	Low-Cab Forward, Instrument 60" Tall Cab, Single-Mounted Column, Right Side Mirror
Mounting	Aluminum Cab-mounting System with Spring Loaded Rear Cab Mounts

FRAME & FUEL TANK

Section Material	20,000 psi / 1380 MPa
Max. Gross Mass	2,000,000 lbs. w/ 1000 000 kg
Frame-Over section	10,000" x 5,000" x 2400" 180" x 180" x 8 mm 132" x 100 mm
48" Wheelbase	131" (3300 mm)
2 nd Axle Position	101" (2565 mm)
CG (Center of Gravity)	120" (3048 mm)
SP (Axle-to-Axle Frame)	71.2" (1808 mm)
Support Type	Single-Beam Frontal & Tractor (Over)
Height	63" (1600 mm)
Depth	44.5" (1130 mm)
Turning	Control Turn/No
Fuel Tank Type	21" (530 mm) Qty. 2 (21" x 48")
Size	44.5" (1130 mm) Qty. 2 (21" x 48")
Location	48" (1200 mm) High of Cab

FRONT AXLE FRM500C

Capacity	10,000 lbs. (4536 kg)
Spring Type	Multi-Leaf, 2 nd Spring Control
Capacity	10,000 lbs. (4536 kg)
Wheel Type	4-Cast 18" x 7.5" x 2.0" (457 x 193 x 51 mm)
Steering Type	Manual, Power-Steered
Wheel	5000 (2000)
Hub	100-7
Capacity	10,000 lbs. (4536 kg)
Wheel/Equipment	Disc Brake

MACK TRUCKS, INC., Allentown, Pa., The Truck Capital of the World

ONE OF THE GLOBAL COMPANIES

FRONT AXLE (optional)

Rate	1.0"
Track (single track)	10.00 (2) 12.00
Track	Standard (single track)
WFOPT	Factory Option
Wheel Bearing Kit Item	44004 00001
Turning Circle (Standard) For Std. Series Only	
(To Determine of Counter Top)	
Left	407 (31.4")
Right	407 (31.4")

REAR AXLE L-1100 (Factory)

Capacity	14,000 lbs (2 400 kg)
Center	2.750 Single (between hubs)
Rate	1.11, 1.00, 1.00, 1.00, 1.11, 0.90, 0.80, 1.20
Spring Type	Standard
Capacity	14,000 lbs (2 400 kg)
Track Type	Standard
Rate	4.0" x 7.0" x 1.75" (103 x 178 x 45 mm)
Air Spring Brake	Automatic Spring Loaded Chambers, Double Chamber, Type 24, Mechanical Spring Retainer, Two Lines (one line per wheel)
Wheel Equipment	Cast Iron
Rate	1.0"
Track (single track)	10.00 (2) 12.00
Track	Standard (single track)
WFOPT	Factory Option
Wheel Bearing Kit Item	44004 00001

AIR & BRAKE EQUIPMENT (Standard) AIR BRAKE SYSTEM

Air Lines	Water Tasting, No Lines Over 1.00" & 2.00" are optional equipment
Air Reservoir	Two One Gallon Tank and One One Gallon Tank Primary/Secondary Tank Mounted Behind Battery Box
Capacity	1000+ (1 000 L)

ELECTRICAL

System Type	12 Volt Negative Ground
Alternator	13 Amp 60 Amp, Lucas Model
Batteries	10 Group 47 Free 1,000 Hour CCA (4 Single Box 47 Free Battery Box)

LIGHTS

Front	Four Two Lamp Projector Beam Headlights, Headlight (5" x 7.0") and Two Infrared Beam
Side	Standard & Optional Light
Rear	10 Composite Stop, Tail, Directional & Turn (4 Composite Light) (4 LED or Laser Diodes) & Mounted Custom Trailer Light

PAINT & TRIM

Gas & Diesel Motor	Aluminum, Gray Standard Mark Color, Green or White, Black, Red, Green, Orange, Blue, Purple, Yellow
Chrome Plating Gas	Standard Mark Blue

STANDARD CHASSIS WEIGHT

Front	1,000 lbs (454 kg)
Rear	2,000 lbs (907 kg)



Color	MSRP (MSRP)
Black	11,100
Blue	11,100
Green	11,100
Orange	11,100
Purple	11,100
Yellow	11,100

MSRP (\$100)	GV Weight (lbs)	GV Weight (kg)	GV Weight (kg)	GV Weight (kg)	GV Weight (kg)	GV Weight (kg)
10,000	10,000	4,536	4,536	4,536	4,536	4,536
11,000	11,000	4,960	4,960	4,960	4,960	4,960
12,000	12,000	5,384	5,384	5,384	5,384	5,384
13,000	13,000	5,808	5,808	5,808	5,808	5,808
14,000	14,000	6,232	6,232	6,232	6,232	6,232

Chassis dimensions are for standard chassis unless otherwise noted. Frame heights are subject to variations. 1" (25 mm) increase in 1" (25 mm) wheel, therefore are not necessarily a representation of precise specifications.

This chassis conforms to all Federal Requirements applicable at time of manufacturing specifications subject to change without notice.



MODEL MR-400S SERIES

STANDARD SPECIFICATIONS

(Based on model shown)

ENGINE 3208 (Cummins)

Type	4-Cylinder, Naturally Aspirated
Displacement	7.2 liters (439 cu in)
Governed RPM	2600
Rear Torque @ RPM	500 lb.-ft. (678 Nm) @ 1400
Max. Horsepower	157 (115.5 kW) @ 2100
Oil Filter	Full Spin-on
Fuel Filter	Single Spin-on
Fuel/Water Separator	Engine Mounted
Injection Pump	Injection, In-Line, Metering Valve
Air Compressor	2, 100 (13.0) CFM @ 110 psi, 2 Fuel-Air, 12.8 CFM @ 110
Water	12-gal. (45.4) ltr. capacity
Air Cleaner	Cartridge, Dry Type, w/ Air Cleaner Element, w/ Bottom-Up, Reverse-Flow Valve

Oil	15.7 (59.2) ltr.
Air Intake	Direct, w/ Inlets & Non-Return, Service Cap
Cooling System	Water-cooled
Radiator	1.80 cu. ft. (51.0) liter, Steel/Wood
Coolant	Antifreeze 50/50 (1:1) 23% G
Fan Drive	Direct
Thermostat	Adjustable at 180° (82.2°)
Water, Heater & Radiator	Separate
Exhaust	Interchange

CLUTCH CLM (Spicer) or CL TTS (Lipco) 14" (356 mm), 2-Plate (Organic)

TRANSMISSION M150 (Fuller)

No. of Speeds	6
Low Gear	4.44
High Gear	1.00

DRIVE LINE 1010-1015 Series

CAB CA-50H

Construction	Unimog, Double-Wall, 22 Steel Sheet, w/ Reinforcing Beams & Staking Members
Type	Low-Cab, Folding, Hydraulic, 80" (2032) Single Hydraulic, Column-Rise, Side Mount
Mounting	Hydro-Cab Mounting System, w/ Spring Loaded Rear Cab Mount

FRAME & FUEL TANK

Engine Mounting	30 (59.4) x 120 (304.8) in.
Body Over Frame	2 (40.6) x 24 (610) in. (208.8) x 610 (1550) mm
Frame Cross Section	13.00" x 13.00" x .1875" (330.2 x 330.2 x 4.76 mm)
Weight/Inch	117 (3.62) lb./in.
W/Powering Platform	227 (3.77) lb./in.
Cab Cab-to-Body	108" (2743 mm)
AP-Body End of Frame	88" (2238 mm)
Support Type	Single Bolt-Clamp Suspension, Shock Absorbers
SSC	52 (1180) mm
SSC	71.25" (1808 mm)
Trailing	Center-Taxi-Pos.
Fuel Tank Type	14" (356 mm) Dia. Steel
SSC	54 (1396) mm
Location	W/ Fuel, w/ Fuel, 14" Dia. Steel

FRONT AXLE FRW100

Capacity	10,000 lbs. (4536 kg)
Spring Type	Wet/Dry, Eye-to-Eye
Capacity	10,000 lbs. (4536 kg)
Brake Type	Disc
Size	10.5" x 13.0" x 3.75" (267 x 330 x 95 mm)
Steering Type	Manual, Power Mounted
Steer	3000 (1360) mm
Wheel	20.5" x 8.25" (518 x 210 mm)
Offset	1.5" (38 mm)
Wheel Mounting	Disc Type

FRONT AXLE (cont'd)

Wet	4.0
Tires (standard size)	10.00R14.5 ply
Front	Standard Highway
Wet	Factory Option
Wheel Bearing Oil Seal	Factory Option
Turning Circle (Diameter For Std. Spec. Only)	(Diameter of Outside Tire)
Left	63.0 (24.8 in)
Right	63.0 (24.8 in)

BOOM **80140**

(2 FWD) - Dual Springs

Capacity	5000 lbs (2268 kg)
Center	CHAMP (2) CHAMP (2) Dual Suspension
	(Std)
Rated	445, 484, 520, 530
	193, 219, 236, 239
Spacing	90" (2286 mm)
Beam Type	Channel
Capacity	24,000 lbs (10,887 kg)
Beam Type	9-4-48
Size	90" x 7.0" x 6.75"
	2286 x 178 x 171 mm
Min. Wheelbase	Architectural Spring Loaded
	Chassis, Drive Chassis
	Type, Montage Spring
	Release Four Bolt (Std)
	500 (2) 5000
Wheel Equipment	Std Spec
Size	14"
Tire (Std) Size	10.00R14.5 ply
Front	Standard Highway
Wet	Factory Option
Wheel Bearing Oil Seal	Factory Option

AIR & BRAKE EQUIPMENT **80AL 80****BRAKE SYSTEM**

Air Lines	Super Tubing, 40 Lines (over 3.25" ID max are optional)
Air Reservoir	Two, One/Each Side and One Dual Compartment (mainly for heavy duty, Full Mounted Remote Battery Box)
Capacity	4.00 (154.9)

ELECTRICAL

System Type	12 Volt, Negative Ground
Generator	12 volts, 40 amp, 1500 RPM
Batteries	40 Group 45, 45 1,200 Total CCA in Single Box, 24 Pages, 6000 Total
Lighting	
Front	4000 Lum (Optional Remote Control Headlights, Headlights (2 1" (25.4 mm) Dia. High/Low Beam
Rear	3000 Lum (Std)
Wear	3000 Lum (Std)
Wear	3000 Lum (Std)
	Optional, 4000 Lum (Std)
	4000 Lum (Std)
	4000 Lum (Std)
	4000 Lum (Std)

PAINT & FIN

Color	4000 (Std)
Standard	Black, Red, Green, Orange, Blue, Yellow, White

Chassis Finishing (Std) - Standard Black Paint

STANDARD CHASSIS WEIGHT

Front	1,700 lbs (770 kg)
Rear	4,000 lbs (1,814 kg)



Model	Max. Payload (kg)
80140	2268 (5000)
80140	2268 (5000)
80140	2268 (5000)

Model	Dr. (mm)	Dr. (mm)	Dr. (mm)	Dr. (mm)	Dr. (mm)	Dr. (mm)
80140	100	100	100	100	100	100
80140	100	100	100	100	100	100
80140	100	100	100	100	100	100
80140	100	100	100	100	100	100
80140	100	100	100	100	100	100
80140	100	100	100	100	100	100

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