



MODEL RD-600SX SERIES

STANDARD SPECIFICATIONS

ENGINE	6M4-207
Type	6-cylinder, turbocharged
Net horsepower	207 (157 kW)
Grossed kW	210
Peak Torque @ RPM	500 lb-ft (1 258 N-m)
Base 4, Stroke	4.875" x 6.3" (124 x 160 mm)
Power Requirement	677 (497 kW)
Oil Filter	Full spin-on
Fuel Filter	Primary & secondary, spin-on, disposable type
Injection Pump	Linear Bosch Multiple Injector
Air Compressor	12.5 GPM (473 l/min) @ 100 psi (6.9 bar) or 12.5 GPM (473 l/min) @ 125 psi (8.6 bar)
Water	10 gal. (38 l) of Lead Acid
Air Cleaner	Canister, 30 type air/water separator, Plug Type
Oil	15.7" (400 mm) dia.
Air Intake	Blow w/ Fan Service
Cooling System	Surge-type
Radiator	100" (2 540 mm) long
Cooler	Afterheat to 107° (41°C)
Oil Line	100" (2 540 mm)
Thermostat	Set to open at 160° (71°C)
Waxes, Grease & Lubricant	Approved
Exhaust	Underhood

CLUTCH	5M4 (Cover) or 6LP (200)
	14" (356 mm), 2-plate, Organic

TRANSMISSION	TR4-101
No. of Speeds	7
Low Gear	14.1:1
High Gear	1.0:1

CHASSIS	1750-1710 Series
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CAB	C48
Construction	Distorted, double wall, all steel welded
Mounting	Fixed type (frangible) mounting with tool tray and lock
Head & Fenders	One piece, horizontal construction with wheel splash guards, tilt forward 15°

FRAME & FUEL TANK	
*Ladder Method	25.0 cu ft (707 liter)
*GM Method	27.75 cu ft (786 liter) (2 700 N-m)
Includes Reinforcement:	
Frame Cross Section	10.50" x 3.25" x 3.25" (267 x 83 x 83 mm)
Reinforcement	25" (6 mm) angle channel
Oil-Water Separator	15" x 1.00 mm
Oil-Washing Filter	15" x 1.00 mm
Oil-Catch Tank	15" x 1.00 mm
Oil-Separ. Oil Filter	15" x 1.00 mm
Number, Type	Steel Bolt (shorter) spaced, 1000
Weight	11.2" (285 mm)
Depth	10" (254 mm)
Tray	10"
Fuel Tank, Type	34" (863 mm) dia. steel step
Size	50 gal. (189.2 l) volume
Location	LR 600, under cab

FRONT AXLE	SA800C
Capacity	10,000 lbs. (4 536 kg)
Spring, Type	tapered shocks w/ shock absorbers
Brake, Type	10,000 lbs. (4 536 kg) S-CAB
Size	16.5" x 5.0" x 3.75" (419 x 127 x 95 mm)
Steering, Type	Manual, rack mounted
Ratio	20:1 (19:1)
Weight	20.5:1
Capacity	10,000 lbs. (4 536 kg)
Wheel Equipment	Cast wheels
Size	5.0"
Tire (Single), Size	21.00-20, 17 ply
Load	Standard highway
Wear	factory option
Wheel Bearing (2) Size	factory option
Turning Circle Diameter—For Std. Sides, Only	(1) Centerline of Outside Tire—
Left	62.3" (1 583 mm)
Right	62.3" (1 583 mm)

GCW	99,000 lb. (45,000 kg)
Capacity	64,000 cu. ft. (18,200 cu. m)
Center	120 in. (3,050 mm)
Clearance	24 in. (610 mm)
Rate	4.54, 5.20, 5.32, 5.73, 6.34
5.56, 7.00, 7.73, 7.49, 8.34, 8.75, 8.88	
Spacing	34" (1,370 mm)
Spring	Leaf
Capacity	18,000 lb. (8,160 kg)
Stakes, Top	2x48
Size	18 1/2" x 7 1/2" x 3 1/2" (467 x 191 x 89 mm)
Ass. Spring Brake	WABCO, spring loaded chambers, 60 psi discharge rate, mechanical spring release, four wheels (one set per axle)
Wheel Equipment	Cast spools
Size	30"
Tire (Dial), Size	T1,000-20, 17 Ply
Tread	Standard highway tread
Wheel Bearing Oil Seal	Factory seal
Wheel Bearing Oil Seal	Factory option

EE & BRAKE EQUIPMENT ..	Dual Air Brake System
Air Lines	air lines per 6.25' (1.9 m) are polymer reinforced
Air Reservoirs ..	Three, one supply tank mounted inside RH frame rail, the dual compressor primary/secondary tank mounted inside LH frame rail, and one primary tank mounted inside LH frame rail
Capacity	6,000 cu. ft. (169.3 cu. m)

ELECTRICAL	
System Type	12 volt, negative ground
Generator	12 volt, 60 amp, Lucas/Genie
Batteries	(4) Group-6, 8-volt, 1.3 ft high 225, 11.25 amp, 1 each side, name mounted, battery tenders
Lighting Front	Two lights, "cutaway" style, leader mounted—widths (21 1/2" (546 mm) dia., 4000-Low Beam) The Marker & Clearance Lights
Lighting Rear	(2) Compressor stop, 1st, 2nd, 3rd, & back-up lamps—total in single unit of green operation & mounted main frame rail

PAINT & TIRE	
Chassis & Steel Metal	Acrylic enamel, the standard Mack color, choice of white, black, red, green, orange, blue, yellow, bronze
Chassis Painting Option	Standard Mack black

STANDARD CURBED WEIGHT	
Front	7,180 lbs. (3,255 kg)
Rear	10,200 lbs. (4,630 kg)

The Overall Width of the Chassis Exceeds 96" (2,438 mm)



T&E SIZE	CGH Approx. Inches (mm)	H4 Inches (mm)		Front Tread Inches (mm)	GT Inches (mm)		WT Inches (mm)
		Unloaded	Loaded		Spoke Wheels		
11,000-22	105.5 (2,680)	43.1 (1,095)	43.5 (1,106)	50.8 (1,295)	66.1 (1,677)	73.8 (1,874)	
11,000-24	108.6 (2,768)	44.1 (1,120)	45.0 (1,143)	50.8 (1,295)	66.1 (1,677)	73.8 (1,874)	
12,000-24	107.7 (2,736)	44.9 (1,141)	45.8 (1,167)	50.5 (1,283)	64.5 (1,638)	73.5 (1,869)	

Chassis dimensions are for standard chassis unless otherwise stated. Frame heights are subject to variations: 1" (25 mm) unladen, 1.5" (38 mm) laden. Dimensions are not necessarily a representation of standard specifications.

This Chassis conforms to all federal regulatory approvals at time of manufacture. Specifications subject to change without notice.