

MJM 90RT SERIES III

PIGGY PACKER

SPECIFICATIONS



3111 West 167th Street, Hazel Crest, Illinois 60429
Phone (708) 596-5200 □ Fax (708) 225-2312
www.mi-jack.com

□ TRAILER AND CONTAINER HANDLING LIFT TRUCK □

ISO 9001-2000
CERTIFIED

CAPACITY –under grappler.....90,000 LBS (40,823 KG)

ENGINE - Diesel

Make and Model.....Cummins QSL9
Emission Cert.(US).EPA Tier 3, CARB Tier 3, EU Stage IIIA
Aspiration.....Turbocharged and Charge Air Cooled
Diesel Fuel.....DF1 or DF2
No. of Cylinders.....6
Bore & Stroke.....4.49" x 5.69".....114mm x 145mm
Displacement.....543cu.in.....8.9 Liters
Fuel Supply.....Cummins Electronic
Air Cleaner.....Donaldson Two Stage Dry Type
Oil Filter.....Renewable Cartridge
Cooling System.....Pressurized Radiator
Horsepower
Gross @ Flywheel.....280 hp @ 2,000 rpm
209 kW @ 2,000 rpm
Torque, maximum @ Flywheel....1,000 lbs. ft. @ 1,500 rpm
1,356 Nm @ 1,500 rpm

ELECTRICAL SYSTEM

Voltage.....12 Volt Run Neg. Ground
Alternator.....130 Amps
Batteries (2).....12 Volt-8-D @ 1,400 CCA. Each

Full CanBus electronic vehicle control system with load sense hydraulics

TIRES

Size (Dual Driver).....21.00 x 35 -42 Ply
Size (Tail).....23.50 x 25 -24 Ply

HYDRAULIC SYSTEM

Closed loop load-sensing design with proportional control to provide desired metered capacity to match demand with no loss of efficiency or horsepower reflected by heat. The system is comprised with load sensing lines and effortless electronic-over-hydraulic controls.

Steering Cylinder (2).....	4" x 18-1/8"	102mm x 460mm
Hoist Cylinder (2).....	8-1/2" x 157"	216mm x 3,988mm
Side Shaft.....	5" x 24"	127mm x 610mm
Extension (2).....	5" x 12"	127mm x 305mm
Pile Slope & Tilt.....	6" x 8-5/8"	152mm x 219mm
Spreader extensions (2).....	4" x 124-3/4"	102mm x 3,169mm
Clamp Front (2).....	4" x 3"	102mm x 76mm
Arm Rotate (2).....	5" x 24"	127mm x 610mm

TORQUE CONVERTER

Funk DFR 250

TRANSMISSION

Funk DF250 Power Shaft, Spur Gear: 3 speed forward and reverse.

Range	Speed	
1.....	1.62 mph.....	2.61 km/h
2.....	3.21 mph.....	5.17 km/h
3.....	6.43 mph.....	10.35 km/h

AXLES

Make.....Kessler
Model.....D106
Type.....Planetary
Carrier Ratio.....2.9 : 1
Brakes.....Cooled Wet Disc Brakes
Overall Ratio.....36.25 : 1

SERVICE CAPACITIES

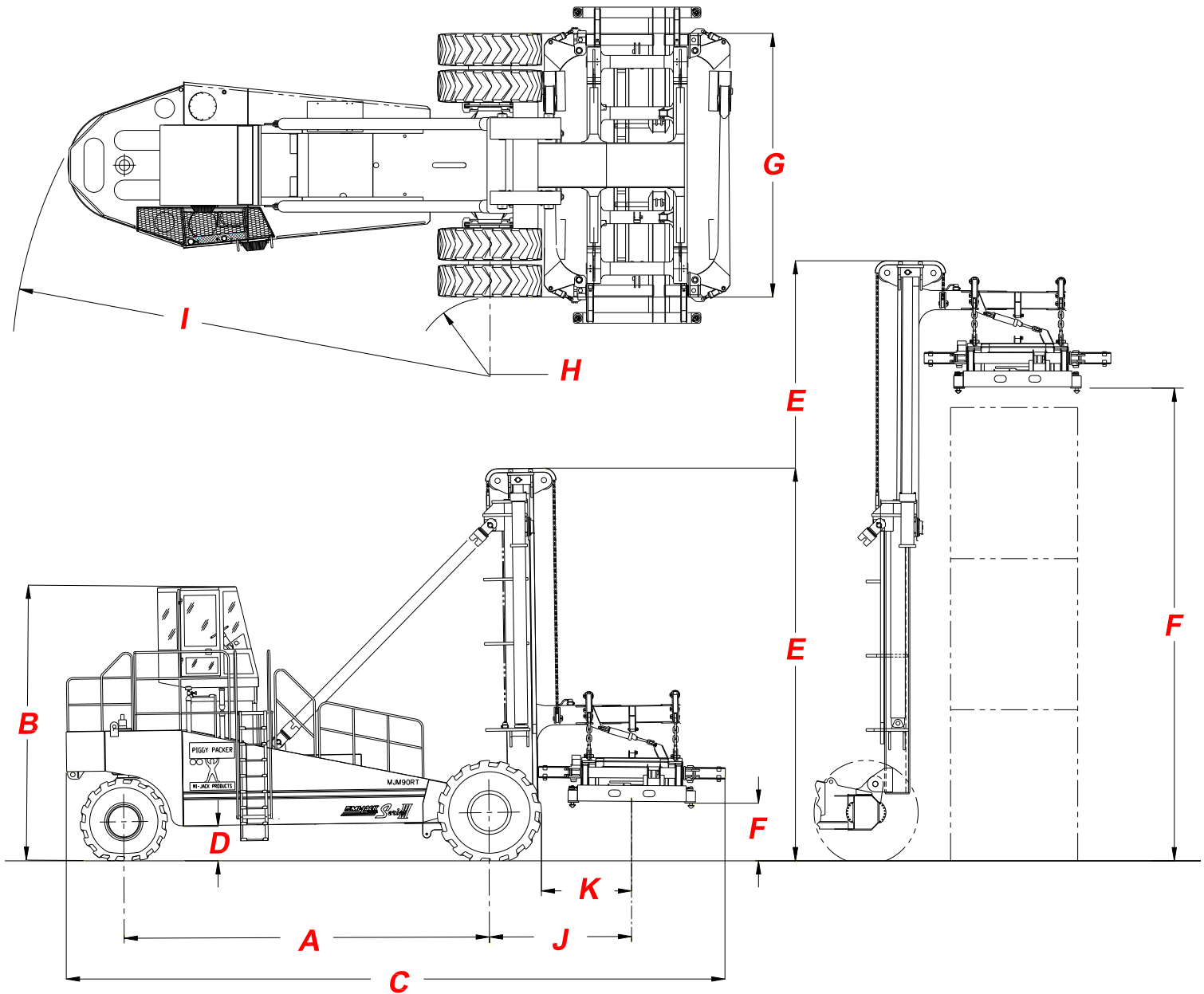
	U.S.	LITERS
Fuel Tank.....	300 gals	1,136
Hydraulic Oil.....	440 gals	1,666
Crankcase w/ Filter.....	11 gals	42
Cooling System.....	13 gals	49

11/07/07

NOTE: MI-JACK PRODUCTS reserves the right to change specifications without notice and without incurring any obligation relating to such a change.

Courtesy of CraneMarket.com

MJ 90RT SERIES III PIGGY PACKER – TRAILER AND CONTAINER HANDLING LIFT TRUCK



WEIGHTS AND FUNCTION

Unit Weight.....	179,500 Lbs.....	81,420 kg
Drive Axle, Empty.....	122,468 Lbs.....	55,551 kg
Tail Axle, Empty.....	57,032 Lbs.....	25,869 kg
Forward Tilt (Spreader).....	8°	
Backward Tilt (Spreader).....	8°	
Side Shaft.....	2'-0".....	610mm
Extension.....	12".....	305mm
Minimum Arm Spacing.....	15'-9".....	4,801mm
Maximum Arm Spacing.....	35'-10".....	10,922mm
Lift Shoe Size for		
Bottom Pick.....	6" x 30".....	152 x 762mm
Maximum Height from		
Ground to Lift Shoes.....	18'-11".....	5,766mm

DIMENSIONS

A) Wheelbase.....	23'-0".....	7,010mm
B) Height with Cab.....	17'-3".....	5,258mm
C) Overall Length.....	41'-5".....	12,624mm
D) Ground Clearance.....	2'-3".....	686mm
E) Top of Mast -Min.	24'-11".....	7,595mm
Top of Mast-Max.	38'-0".....	11,582mm
F) Ground to Twistlock -Min.....	3'-10".....	1,168mm
Ground to Twistlock -Max.....	30'-0".....	9,144mm
G) Width Outside Drive Tires.	16'-7".....	5,055mm
H) Inside Turning Radius Tail Swing.....	5'-0".....	1,524mm
I) Turning Radius Tail Swing.....	30'-1".....	9,169mm
J) Axle Centerline of Load Center.....	9'-1".....	2,718mm
K) Centerline of Load of Tires:		
Minimum.....	5'-8".....	1,727mm
Maximum..	6'-8".....	2,032mm

NOTE: All heights above ground include 1" tire deflection for an unloaded vehicle. Up to 2" additional should be deducted for tire deflection at rated load. Inside, outside and height dimensions are nominal and may vary due to manufacturing standards and structural deflection.

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