

RT-08 Digger Derrick Vehicle Specifications

Vehicle Dimensions

Overall Length	307" (7.80 m) with Plow
Overall Width	101" (2.57 m)
Overall Height	120" (3.01 m)
Frame Height	53" (134 cm)
Ground Clearance	18" (45.7 cm)
Weight (Base Vehicle with Digger Derrick Boom)	28,000 lbs (12,700 Kg)

Boom

Max sheave height	48 feet
Rotation	Continuous
Insulation	Insulated for category "C" type booms: 46 kV
Boom operation	Full pressure turret control with seat and engine accelerator(foot pedal)
Pole claw	4 way
Max load	24,000 lbs (double rope)
Tip winch	12,000 lbs,
Rope	12,000 lbs rated poly rope 80 feet, 7/8"
Auger Drive	12,000 ft-lb standard (15,000 ft-lb optional)
Auger storage	Up to 24" standard (Up to 36" optional)
Standard Auger	18" (dirt) 2.5" hex dia with 12,000 ft-lb auger drive

Performance

Load Capacity	6,000 lbs. (2,750 Kg)
GVWR	34,000 lbs. (15,400 Kg)
Maximum Speed (on high)	7.0 mph (11.3 km/h)
Inside Turning Radius	0 ft
Ground Pressure	
Unloaded	3.0 PSI (20.0 kPa)
Loaded	3.5 PSI (24.0 kPa)
Maximum Gradeability	
Uphill	80% (39 degrees)
Side hill	40% (22 degrees)

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Engine

Make	FPT -Fiat Powertrain Technologies
Model	Iveco N67MNT
Type	Diesel, 6 cylinders
Displacement	6.7 L
Horsepower	173 HP @ 2,200 RPM
Torque	568 ft lbs @ 1,250 RPM
Max RPM	2,200 RPM
Air cleaner - Type	2 stages dry
Anti Freeze	-35 F (-37 C)

Power Train For Hydrostatic Drive

Transmission	Hydrostatic drive 2 speed
Drive Sprockets	Steel sprocket hubs with polyurethane inserts
Location	Rear
Parking Brakes	Multi-disc, spring applied
Service Brakes	Positive deceleration through the hydrostatic transmission

Frame

Type	Welded tub, Corten
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Subframe

Type	Full size integrated sub-frame Four corner mounted radial outriggers Four tie down "D" rings Cable grounding bar One side ladder & one rear folding step
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Suspension

Heavy duty walking beam suspension. Seals for lifetime lubrication, urethane bushings in walking beam pivots. Grease hubs.

Wheels

Quantity	8
Type	Solid Rubber
Size	28 x 7 x 22 Smooth
Idler	2
Type	Solid Rubber
Size	20 x 6 x 16

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Tracks

Type	D-Dent
Width	33" (84 cm)
Type of Belts	5 ply rubber belt 11" width

Steering For Hydrostatic Drive

Independent control for each track

Capacities

	LITRES	U.S. GALLONS
Cooling System	25.5 L	6.7 gal
Fuel Tank	303 L	80.0 gal
Hydraulic Reservoir	150 L	40.0 gal
Engine Crankcase	17 L	4.5 gal
Planetary - 36 to 1	1.5 L	0.4 gal

Electrical

12 volt battery	2
Vehicle voltage	12 V
Battery Capacity	2 x 850 Amps CCA
Alternator Capacity	90 amps
Ground	Negative

Cab

- 2-man tandem open cab ROPS
- 2 mechanical suspension seats with 2 point safety belts
- 2 front lights
- One rear light
- One dome light
- One strobe light on top
- Back up alarm & horn
- One fire extinguisher in cab

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Standard Equipment

Instrument panel	Tachometer Oil pressure Hour-meter Coolant temperature Fuel gauge Warning light gauge for: - Low engine oil pressure - High engine coolant - temperature Alternator charge
Engine	Block Heater Pre-heater
Parts & service manual	2 sets standard

Optional Equipment

- 2-man closed cab with heater / defroster, front windshield wiper & escape hatches
- Front windshield wiper intermittent
- Rear windshield wiper
- Outside rear-view mirror
- Brush guard front only
- Brush guard front & drivers side
- Front 2 way mounted plow
- Top mounted snow extension for plow
- 30,000 lb front hydraulic recovery winch
- Cold weather engine package: (Oil Heater with cable & plug, Cold Weather Oil for engine & hydraulic system)
- Oil bath hubs and spindles with glass face
- 33" rubber tracks
- Ice picks for outrigger pads
- 2 high power LED work lights (1 front, 1 rear)
- 15,000 ft-lb auger drive, 3" hex dia
- Auger storage up to 36" in diameter
- Adjustable pole rack
- Tool box on deck with 64"L x 20"W x 10"H inside dimensions
- Hydraulic tools outlet on deck for tamping
- Flow reverse on hyd tools outlet on deck for pole jacking at 2,000 PSI
- Low (2,000 PSI)/high pressure (3,000 PSI) for hyd tools outlet on deck for high speed pole jacking
- Pintle hook (rear)
- Additional manuals