

Vermeer[®]

AXIS™ GB812

Guided Boring System



On-grade trenchless installation system

The AXIS guided boring system offers more versatility and flexibility than other sewer and water installation methods, giving you more options to complete on-grade sewer and water installations with pinpoint accuracy.



GB812 Specifications

Rack Power Unit

General Weights and Dimensions

Length: 96" (244 cm)
Width: 77.5" (197 cm)
Height: 96" (244 cm)
Weight: 10,800 lb (4899 kg)

Power

Make/model: John Deere 4045HF
Horsepower (gross): 140 hp (104 kW)
Rated rpm: 2400
Tier rating: Tier 3

Fluid Capacities

Engine oil (including filter): 15.5 qt (14.7 L)
Fuel tank: 79 gal (300 L)
Hydraulic reservoir: 53 gal (201 L)

Rack

General Weights and Dimensions

Length: 134" (340.4 cm)
Width: 33.6" (85 cm)
Height: 60" (152 cm)
Weight: 4500 lb (2041 kg)

Operational

Max spindle torque:
218 rpm: 2600 ft-lb (3525 Nm)
146 rpm: 4000 ft-lb (5423 Nm)
110 rpm: 4900 ft-lb (6643 Nm)
Thrust: 40,000 lb (177.9 kN)
Pullback: 40,000 lb (177.9 kN)
Bore diameter: 13.5" (34.3 cm)

Vacuum Power Unit

General Weights and Dimensions

Length: 163" (414 cm)
Width: 87" (221 cm)
Height: 86" (218 cm)
Weight (wet): 22,000 lb (9979 kg)

Power

Make/model: John Deere 6068HF
Horsepower (gross): 250 hp (186 kW)
Rated rpm: 2200 rpm
Tier rating: Tier 3

Operational

Dry air rating: 3200 cfm (90.6 m³/min)
at 20 in. Hg (508 torr)
Moist air rating: 3400 cfm (96 m³/min)
at 26 in. Hg (660.4 torr)

Fluid Capacities

Engine oil (including filter): 33 qt (31 L)
Fuel tank: 115 gal (435 L)
Hydraulic reservoir: 31 gal (117 L)

Drilling Fluid System

Max flow: 25 gpm (94.6 L/min)
Max pressure: 1200 psi (83 bar)

Safety

Falling object protection: Yes
Remote lockout: Yes
Strike alert: Yes

Vacuum Tank

800 gal (3028 L) tank option

Length: 100" (254 cm)
Width: 100" (254 cm)
Height: 96" (244 cm)
Weight (dry): 2500 lb (1134 kg)

2000 gal (7571 L) tank option

Length: 135" (342.9 cm)
Width: 100" (254 cm)
Height: 96" (244 cm)
Weight (dry): 4000 lb (1814 kg)

Drill Head

Length: 78.7" (199.9 cm)
Diameter (max): 13.5" (34.3 cm)
Weight: 720 lb (327 kg)

Drill Casing

Length: 78.7" (199.9 cm)
Diameter: 12" (30 cm)
Weight: 410 lb (186 kg)
Weight (box with 6 segments of drill casing):
2976 lb (1350 kg)

Laser

Make/model: AGL GradeLight



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