

**Vermeer**<sup>®</sup>

**AXIS**<sup>™</sup> **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:  
192 rpm: 3030 ft-lb (4108 Nm)  
129 rpm: 4550 ft-lb (6169 Nm)  
97 rpm: 6070 ft-lb (8229 Nm)  
Thrust: 38,000 lb (169 kN)  
Pullback: 38,000 lb (169 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 m<sup>3</sup>/min)  
at 20 in. Hg (508 torr)  
Moist air rating: 3400 cfm (96 m<sup>3</sup>/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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