



Field-tested Vermeer maxi rigs are just what the large-diameter drilling market has been waiting for: tough, productive drills with the reliability that is expected from Vermeer.

Specifications

General / Dimensions (transport)

Weight: 101,000 lb (45,812.8 kg)
 Length: 50.5' (15.4 m)
 Width: 8.5' (2.6 m)
 Height: 11.5' (3.5 m)
 Suspension: Triple axle with air ride suspension
 Drill rack angle: 8° – 12°

Operational

Max thrust: 784,000 lb-f (3487.4 kN)
 Max pullback: 784,000 lb-f (3487.4 kN)
 Max spindle torque: 102,500 ft-lb
 (138,971.3 Nm)
 Max spindle speed (with PS1200 / PS1600):
 54 rpm
 Max spindle speed (with PS800): 36 rpm
 Max carriage speed: 82 fpm (25 m/min)
 Number of rotation motors: 1
 Number of drive motors: 4
 Mud swivel: 3" (7.6 cm)
 Remote lockout system: Yes
 Strike alert system: Yes

Lower Breakout Vise

Breakout force: 253,000 ft-lb (343,021.9 Nm)
 Configuration: 3-jaw clamp, 8" (20.3 cm)
 Travel: 6' (1.8 m)
 Inside diameter: 9.8" (24.9 cm)
 Weight: 3800 lb (1723.7 kg)

Upper Breakout Vise

Clamp force: 250,000 ft-lb (338,954.5 Nm)
 Configuration: 2-jaw clamp
 Inside diameter: 10" (25.4 cm)



The larger the project, the more you have riding on your power unit. That's why our maxi rigs feature the reliable power and Tier 3 emissions compliance of CAT engines.

Power Source Options



PS800

General / Dimensions

Engine(s) make / model: (1) CAT C-27
Gross horsepower (max): 800 hp (596.6 kW)
Max engine speed: 2000 rpm
EPA Certification Family: Tier 2 (EU Stage II)
Fuel type: Diesel
Fuel capacity: 500 gal (1892.7 L)
Hydraulic tank capacity: 720 gal (2725.5 L)
Length: 22.4' (6.8 m)
Width: 8' (2.4 m)
Height: 10.3' (3.1 m)
Weight: 38,000 lb (17,236.5 kg)



PS1200

General / Dimensions

Engine(s) make / model: (2) CAT C-18
Gross horsepower (max): 1200 hp (894.8 kW)
Max engine speed: 2000 rpm
EPA Certification Family: Tier 3 (EU Stage II)
Fuel type: Diesel
Fuel capacity: 1000 gal (3785.4 L)
Hydraulic tank capacity: 720 gal (2725.5 L)
Length: 32.2' (9.8 m)
Width: 8' (2.4 m)
Height: 10.3' (3.1 m)
Weight: 57,260 lb (25,972.7 kg)



PS1600

General / Dimensions

Engine(s) make / model: (2) CAT C-27
Gross horsepower (max): 1600 hp (1193.1 kW)
Max engine speed: 2000 rpm
EPA Certification Family: Tier 2 (EU Stage II)
Fuel type: Diesel
Fuel capacity: 1000 gal (3785.4 L)
Hydraulic capacity: 720 gal (2725.5 L)
Length: 32.2' (9.8 m)
Width: 8' (2.4 m)
Height: 10.3' (3.1 m)
Weight: 57,260 lb (25,972.7 kg)

Drill Rack

RACK GEAR ASSEMBLY

- Double I-beam construction
- Weld-on gear
- 1-year limited warranty

TRAILER

- Triple-axle
- Air suspension
- 11R 24.5 tires / 5-ply tread

ADDITIONAL COMPONENTS

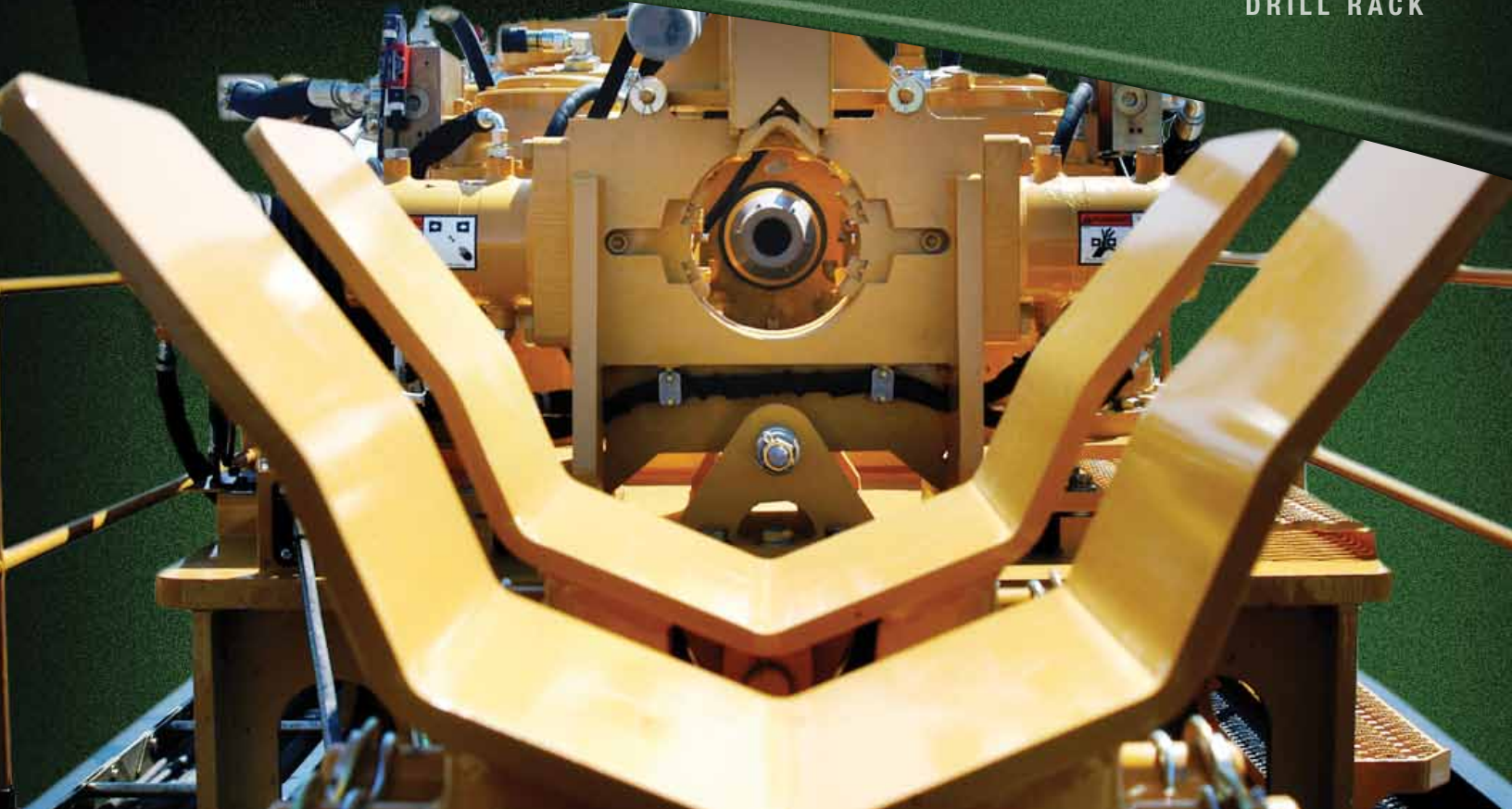
- Rear base anchor
- Front base anchor
- Rear stabilizers



Front base anchor: 20' (6.1 m) x 6' (1.8 m), 7850 lb (3560.7 kg)

Rear base anchor: 16' (4.9 m) x 7.8' (2.4 m), 4300 lb (1950.4 kg)





Breakout System



UPPER VISE / BREAKOUT SYSTEM

- Dual-cylinder design
- Integrated into carriage to reduce breakout time
- Integrated hydraulically controlled rod alignment arm



LOWER VISE / BREAKOUT SYSTEM

- Three-cylinder design
- 10" (25.4 cm) inside diameter opening
- 6' (1.8 m) of travel
- Variably sized vise blocks
 - 4.5" (11.4 cm)
 - 5.5" (14 cm)
 - 6.6" (16.8 cm)
- Replaceable die inserts
- Lower vise assembly is detached via two pins and six hydraulic quick disconnects for ease of removal during casing installations



Replaceable die inserts

D750x900

DRILLER'S CABIN



Driller's Cabin

OPERATOR CONTROL CAB (SKID MOUNTED)

Length: 10' (3 m)

Height : 9' (2.7 m)

Width: 8.5' (2.6 m)

Weight: 6000 lb (2721.6 kg)

Heat and air conditioning: In-wall combination unit

Electrical panel: 110V and 220V

DRILLER'S CABIN

- Designed to accommodate operator and steering hand
- Large tinted windows for exceptional visibility
- Steel tube frame
- Finished interior with aluminum-faced sheeting

OPERATOR CONSOLE

- Controls designed for operator comfort

COMFORT

- Sound insulated
- Climate-controlled via in-wall combo heat / air-conditioning unit

