

Vermeer[®]
Flex-Angle Drill

D20x22 **FX**

Series II

Looking at Things from a Different Angle

Inspired by the voice of drillers and fueled by the Vermeer passion for innovative solutions, the D20x22FX Series II Navigator[®] is the industry's first flex-angle drill capable of entry points from 18 to 90 degrees – and everywhere in between.

Capable of completing vertical and steep-angle geothermal loop installations, the D20x22FX Series II is

also a fully functioning horizontal directional drill (HDD) that can install horizontal loops, as well as conventional utilities. Some may call it multiple personalities – we call it multitasking.

So whether you're a veteran driller ready for a better way or a contractor considering a new angle to earning more work, look to Vermeer.



D20x22FX

Series II

- **Rod loader.** Controlled by a single operator, the rod loader offers push-button access to 210' (64 m) of onboard drill rod without the use of winches or hand loading.
- **Footprint.** Self-propelled on rubber tracks, the D20x22FX Series II treads lightly and can access confined spaces, making it ideal for backyard geothermal retrofit installations.
- **Operator's station.** For those familiar with Navigator HDDs, the D20x22FX Series II shares a common operator's station that can help reduce operator training time.
- **Local support.** Parts, service and sales are available from over 300 Vermeer dealership locations worldwide.

D20x22FX Series II Preliminary Specifications

General

Length (min transport): 18.4' (5.6 m)
Width (min transport): 65" (165.1 cm)
Height (min transport): 87" (221 cm)
Weight: 13,200 lb (5987.4 kg)
Rack angle (min, flat surface): 18°
Rack angle (max, flat surface): 90°

Engine

Make and model: Kubota V3800
Fuel type: Diesel
Manufacturer's gross hp rating: 83 hp (61.9 kW)
Rated engine RPM: 2400

Fluid Capacities

Fuel tank capacity: 25 gal (94.6 L)
Hydraulic tank capacity: 23 gal (87.1 L)

Operational

Thrust: 20,000 lb (9071.8 kg)
Pullback: 20,000 lb (9071.8 kg)
Max carriage speed: 135 fpm (41.1 m/min)
Max spindle torque (low at max engine rpm):
2200 ft-lb (2982.8 Nm)
Max spindle torque (high at max engine rpm):
1430 ft-lb (1938.8 Nm)
Max spindle speed (at max engine rpm):
208 @ 1430 ft-lb (1938.8 Nm)
Min bore diameter: 3.5" (8.9 cm)
Rod loader: Yes

Drilling Fluid System

Max flow: 25 gpm (94.6 L/min)
Max pressure: 750 psi (51.7 bar)

Drilling Fluid System (Optional)

Max flow: 100 gpm (378.5 L/min)
Max pressure: 300 psi (20.7 bar)

Drill Pipe

Type: Firestick®
Length: 10' (3 m)
Joint diameter: 2.25" (5.7 cm)
Pipe diameter: 2.06" (5.2 cm)
Weight: 57 lb (25.9 kg)
Min bend radius: 101.9' (31.1 m)
Rod carrying capacity: 210' (64 m)
Joint inside diameter: .95" (2.4 cm)



Vermeer EMEA
(Europe, Middle East, Africa and CIS)
P.O. Box 323
4460 AS Goes
the Netherlands
Phone: +31 113 272700
Fax: +31 113 272727

Vermeer Corporation
1210 Vermeer Road East
P.O. Box 200
Pella, Iowa 50219 U.S.A.
Phone: (641) 628-3141
Fax: (641) 621-7773
International fax: +1 (641) 621-7730
www.vermeer.com

Vermeer Asia Pacific
48 Toh Guan Road East
#01-105 Enterprise Hub
Singapore 608586
Phone: +65 6516 9560
Fax: +65 6515 9218

Call toll-free 1-888-VERMEER
1-888-837-6337 (USA only)

Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information about machine specifications. Vermeer Corporation reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Vermeer, the Vermeer logo, Navigator and Firestick are trademarks of Vermeer Manufacturing Company in the U.S. and / or other countries. © 2010 Vermeer Corporation. All Rights Reserved.