

D60x90s NAVIGATOR[®]

HORIZONTAL DIRECTIONAL DRILL



OPEN-TOP VISE DESIGN. Features an open-top vise design for the purpose of removing and adding tooling.



OPERATOR-CONTROLLED ROD LOADER. Helps reduce the labor involved with manually loading and unloading drill rod which also assists in increasing overall drilling efficiency.



CLIMATE-CONTROLLED CAB. Enhances operator comfort and provides protection from the weather, which helps reduce operator fatigue and discomfort, helping you be more productive.



THREE-SPEED GEARBOX. Helps improve the overall drilling efficiency by allowing the operator to adjust the machine's rotational torque to match different ground conditions.



OPTIONAL FRONT-MOUNTED STAKEDOWN SYSTEM. Helps reduce the amount of time and materials needed to set up and secure the drill for enhanced jobsite efficiency.



OPTIONAL FULL-COLOR CONTROL PANEL. Choose the DCI[®] Aurora[®] panel for visibility to all downhole drilling parameters. The interactive full-color touchscreen display delivers real-time, easy-to-view locate information, bore plans and more that can help increase productivity.



VERMEER.COM



**EQUIPPED TO
DO MORE.**

D60x90s NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

Available only through select Vermeer dealers for sale into less emission-regulated countries.

GENERAL WEIGHTS AND DIMENSIONS

Length: 8.26 m (27.1')

Width: 2.32 m (7.6')

Height: 2.3 m (7.5')

Weight (basic unit): 11,000 kg (24,300 lb)

Weight (basic unit, drill rods, rod loader, stakedown):
14,000 kg (31,000 lb)

OPERATIONAL

Max thrust/pullback in low speed: 27,200 kg (60,000 lb)

Max thrust/pullback in high speed: 13,600 kg (30,000 lb)

Max rotational torque in low speed: 12,200 Nm (9000 ft-lb)

Max rotational torque in medium speed: 9150 Nm (6750 ft-lb)

Max rotational torque in high speed: 6100 Nm (4500 ft-lb)

Max rotation speed (low): 96 rpm

Max rotation speed (medium): 136 rpm

Max rotation speed (high): 210 rpm

Max carriage speed (thrust): 40 m/min (131 fpm)

Max ground drive speed: 4.4 km/h (2.7 mph)

ENGINE OPTION ONE - TIER 1

Make and model: Dongfeng Cummins 6BTA5.9-C180

Manufacturer's rated power: 134 kW (180 hp)

Rated rpm: 2200

ENGINE OPTION TWO - TIER 3

Make and model: Dongfeng Cummins QSB6.7-C190

Manufacturer's rated power: 142 kW (190 hp)

Rated rpm: 2200

DRILL PIPE

Type: V-Rod®

Length: 4.5 m (15')

Diameter: 7.3 cm (2.9")

Max entry angle: 16 degrees

DRILLING FLUID SYSTEM

Max pressure: 90 bar (1305 psi)

Max flow: 492 L/min (130 gpm)

FLUID CAPACITY

Hydraulic tank: 320 L (85 gal)

Fuel tank: 243 L (64 gal)

FEATURES

Breakout system (vise): Standard

Drilling lights: Standard

Rod loader: Standard

Stakedown system: Optional

Mud flow status: Standard

Console (Tier 1): Standard

Cab (Tier 3): Standard

DCI®-in-dash Aurora® display: Optional on Tier 3 engine option

Gearbox thrust method: Rack and pinion

Electric Strike Alert: Standard

Remote Lockout: Standard

NOTES:

Vermeer Tianjin Manufacturing Co., Ltd. reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligation. Equipment shown is for illustrative purposes only and may display optional or global-region specific features, accessories or components. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer, the Vermeer logo, Equipped to Do More, Navigator and V-Rod are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries. DCI and Aurora are trademarks of Digital Control Incorporated. Dongfeng Cummins is a trademark of Cummins Engine Company, Inc. © 2018 Vermeer Tianjin Manufacturing Co., Ltd. All Rights Reserved. Printed in the U.S.A. Please recycle.

