

D60x90 S3 NAVIGATOR[®]

HORIZONTAL DIRECTIONAL DRILL



IMPRESSIVE SIZE-TO-POWER RATIO.

The D60x90 S3 boasts up to 60,000 lb (267 kN) thrust/pullback and 9,000 ft-lb (12,202.4 Nm) of rotational torque at just 100" (254 cm) wide and 26' long (7.9 m), so it's qualified for a range of installation specifications even in congested urban jobsites.



INCREASED POWER.

The D60x90 S3 boasts a sizeable 17 hp (12.7 kW) increase over its predecessor, the D60x90, giving operators more power for drilling in difficult ground conditions.



SIGNIFICANTLY QUIETER.

The D60x90 S3 has a guaranteed sound power rating of just 107 dBA – 12 dBA lower than its predecessor the D60x90 – resulting in reduced noise at operator's ear [83 dBA], increased operator comfort and less noise disturbance in residential or urban areas.



LARGE OPEN-TOP VISE DESIGN.

The D60x90 S3 features a large open-top vise design for the purpose of removing and adding tooling.



CONVENIENT ROD LOADING.

Easy-to-operate and reliable rod loader is inspired by the popular and proven D24x40 Series II design.



AURORA™ TOUCHSCREEN DISPLAY.

Interactive, full-color display provides real-time location information plus tools to complete drilling activities more efficiently, and can replace the need for hard copy bore plans.



VERMEER.COM



EQUIPPED TO
DO MORE.™

D60x90 S3 NAVIGATOR® HORIZONTAL DIRECTIONAL DRILL

GENERAL WEIGHTS AND DIMENSIONS

Min transport length: 29.5' (9 m)

Min transport width: 100" (254 cm)

Min transport height: 104" (264.2 cm)

Weight: 39,000 lb (17,690.1 kg)

ENGINE

Make/Model: CAT 7.1

Fuel type: Ultra low sulfur diesel

Max engine rpm: 2200 rpm

Gross horsepower: 202 hp (151 kW)

Max torque: 642 lb-ft (870 Nm)

Displacement: 433.3 cu-in (7.1 L)

Cooling method: Liquid

Aspiration: Turbo Charged

Emissions rating: Tier 4 Final (EU Stage IV)

OPERATIONAL

Thrust/Pullback: 60,000 lb (266.9 kN)

Max carriage speed at max engine rpm: 175 fpm (53.34 m/min)

Max spindle torque (low at max engine rpm): 9000 ft-lb (12,204 Nm)

Max spindle speed at max engine rpm: 200 rpm

Min bore diameter: 6" (15 cm)

Max ground drive speed at max engine rpm (fwd): 3.7 mph (6 km/h)

Noise level at operator's ear: 83 dBA

Drill rack angle: 12°-15° (21.3%-26.8%)

DRILLING FLUID SYSTEM

Max flow: 150 gpm (567 L/min)

Max pressure: 900 psi (6.2 MPa)

FEATURES

Breakout system: Standard top load hydraulic vise

Drilling lights: Standard

Flow indicator: Standard

Stakedown system: Optional

Strike alert: Standard

Remote lockout: Standard

DRILL PIPE OPTION ONE

Type: Firestick® drill rod

Length: 15' (4.6 m)

Rod diameter: 2.875" (7.3 cm)

Weight: 180 lb (81.7 kg)

Bend radius: 168.7' (51 m)

Onboard capacity: 600' (182.9 m)

DRILL PIPE OPTION TWO

Type: Firestick drill rod

Length: 15' (4.6 m)

Rod diameter: 3.5" (8.9 cm)

Weight: 250 lb (113.5 kg)

Bend radius: 197.7' (60 m)

Onboard capacity: 360' (109.7 m)

NOTES:

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. Equipment shown is for illustrative purposes only and may display optional accessories or components. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer, the Vermeer logo, Equipped to Do More and Firestick are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries. Caterpillar is a trademark of Caterpillar Inc. © 2016 Vermeer Corporation. All Rights Reserved. Printed in the U.S.A. Please recycle.

