



HIGH CAPABILITY, LOW CONSUMPTION.

A fully electric 120 t pull force, range 2 horizontal directional drill capable of converting power into meters of successful underground installations. Operates in a wide range of soil conditions with low energy consumption.



POWER ON DEMAND. Piloting a 600 m long borehole in soft soil is different than reaming a 48-in borehole in rock. With direct electric drive, you use the power you need when you need it, no more, no less.



HIGH-CAPABILITY DRILL. With a maximum torque of 110 kNm, the D120E delivers the hole-making capability comparable to a larger maxi rig. The direct, electric drive results in reactiveness, controllability and scalability of the rig for highly efficient operations.



DIFFERENT POWER SOURCES. You can plug the drill to a genset or to the grid or to a battery pack. Regardless of the type of power source you have available on site, the D120E will perform.



EXTENDED DRILL PIPE RANGE. The powerful vise travels along the full length of the rack. With 220 kNm of breakout torque and 110 kNm of makeup torque, the vise makes it possible to use drill pipes up to 7,625-in outer diameter. Thanks to a large passthrough opening, the vise makes it possible to handle tooling and steel casing with an outer diameter up to 406 mm (16-in).



FULL CONTROL AT YOUR FINGERTIPS.

The direct electric drive allows an accurate control over force, speed and position with precise data logging of operational parameters. An intuitive human machine interface (HMI) in combination with last-generation capacitative joysticks make the drilling experience digital.

Vermeer









D120E HORIZONTAL DIRECTIONAL DRILL

GENERAL DIMENSIONS AND WEIGHTS

Minimum transport length: 15,4 m Minimum transport width: 2,5 m Minimum transport height: 3,1 m Maximum transport weight: 35.000 kg

OPERATIONAL

Maximum thrust: 100 t Maximum pullback: 120 t

Maximum spindle torque: 110 kNm at 0 rpm

Continue maximum spindle torque: 60 kNm at 30 rpm

Maximum ground drive speed: 2,5 km/h

Fluid course: 4-in

Drill rack angle: 5°/20° (8.7%/28,7%)

VISE

Travelling breakout unit along the full length of the rack

Breakout torque: 220 kNm Makeup torque: 110 kNm Open top: 254 mm

Passthrough opening: 406 mm

Fluid course: 4-in

Carriage vise: 0,7 m travel

DRILL PIPES

Outer diameter: from 5,5-in to 7,625-in

Length: range 2

FEATURES

Wireline rear drum with tensioning system

Full-length catwalk and easy rest-in rmast

Offboard 3 m operator's cab

Auxiliary 60 kVA attachable genset for maneuvering and setup

Strike Alert system

Remote Lockout

D120E data is subject to be changed without notice.

NOTES:		

Vermeer

Vermeer Manufacturing International Goes reserves the right to make changes in engineering, design and specifications; add improvements; or discontinue manufacturing at any time without notice or obligative Equipment shown is for illustrative purposes only and may display optional accessories or components specific to their global region. Please contact your local Vermeer dealer for more information on machine specifications. Vermeer and the Vermeer logo are trademarks of Vermeer Manufacturing Company in the U.S. and/or other countries. © 2023 Vermeer Manufacturing International Goes. All Rights Reserved.