

D120E HORIZONTAL DIRECTIONAL DRILL



HIGH CAPABILITY, LOW CONSUMPTION.

A fully electric 1,200 kN 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.



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 reactivity, controllability and scalability of the rig for highly efficient operations.



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).



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.



DIFFERENT POWER SOURCES. You can plug the drill to a genset or to a battery pack to help you perform.



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 capacitive joysticks make the drilling experience digital.

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GENERAL DIMENSIONS AND WEIGHTS

Minimum transport length: 15,4 m

Minimum transport width: 2,55 m

Minimum transport height: 3,1 m

Maximum transport weight: 37.500 kg

OPERATIONAL

Maximum thrust: 1.000 kN

Maximum pullback: 1.200 kN

Maximum carriage speed: 35 m/min

Maximum spindle torque: 110 kNm

Continuos maximum spindle torque: 60 kNm at 30 rpm

Maximum rotational spindle speed: 80 rpm

Maximum ground drive speed: 1,5 km/h

Fluid course: 10.16 cm (4 in)

Drill rack angle: 6°- 20° (10.5% - 36.4%)

WISE

Full-rack travelling vise assembly

Vise assembly detachable from the rack

Maximum breakout torque: 220 kNm

Maximum makeup torque: 110 kNm

Vise assembly clamp force: 840 kN

Open top: 25 cm (10 in)

Passthrough opening: 40 cm (16 in)

Carriage vise travel: 65 cm

Carriage vise clamp force: 840 kN

DRILL PIPES

Outer diameter: up to 7.625 in

Length: range 2

POWER

Genset: 200 kVA – 350 kVA, 400 V, 50 Hz

FEATURES

Wireline rear drum with tensioning system

Full-length wide catwalk

Rod supports built-in the rack

Hydraulic rack/undercarriage detach

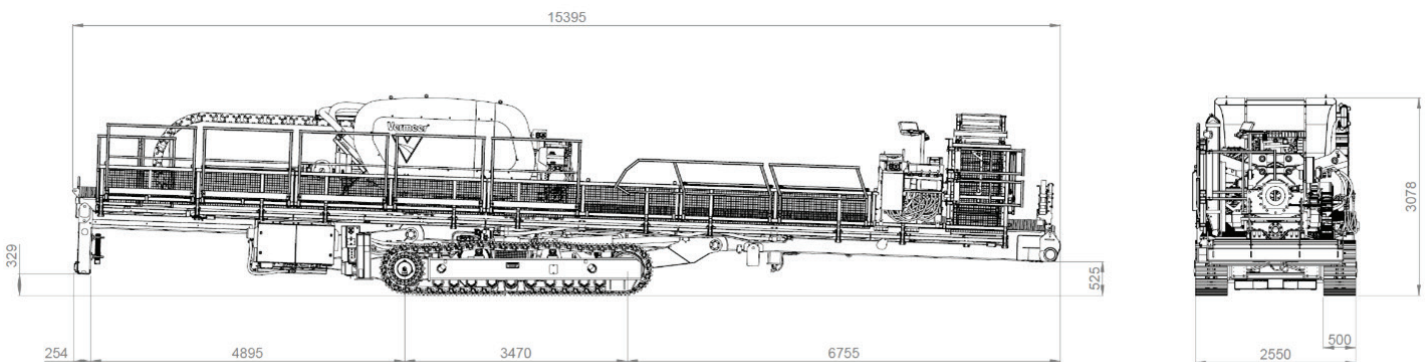
Offboard 3-m (10 ft) operator's cab, adjustable in height

Auxiliary 65-kVA hook-on genset for maneuvering and setup

Color cameras system

Strike alert system

Remote lockout



D120E data is subject to be changed without notice.

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DO MORE.