



CLIMATE-CONTROLLED CAB. Enhances operator comfort and provides protection from the weather, which reduces operator fatigue and discomfort, helping increase productivity.



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



DUAL-PIVOT RACK. Allows for rack entry angles from 10 degrees to 24 degrees to help maximize the versatility of the rig for various product pipes and jobsite terrains.



OPTIONAL ROD LOADER. A single-row, sliding-arm rod loader allows for the staging of five rods, helping increase boring efficiency by minimizing rod-loading time.



OPTIONAL CRANE. Choose the optional telescoping crane to help reduce the amount of support equipment needed onsite.



OPTIONAL ONBOARD DRILLING FLUID PUMP. 1136 L/min (300 gpm) for a self-contained drilling system. For larger projects, the onboard pump can be used in combination with a stand-alone pump if additional fluid flow is required.



D220x300s NAVIGATOR[®] HORIZONTAL DIRECTIONAL DRILL Available only through select Vermeer dealers for sale into less emission-regulated countries.

GENERAL WEIGHT AND DIMENSIONS

Length: 11.8 m (38.5') Width: 2.3 m (7.5') Height: 3 m (9.7') Weight (basic unit): 29,000 kg (63,900 lb) Weight (full featured): 31,200 kg (68,784 lb)

OPERATIONAL

Max thrust/pullback in low speed: 100,000 kg (220,000 lb) Max thrust/pullback in high speed: 50,000 kg (110,000 lb) Max rotational torque in low speed: 40,675 Nm (30,000 ft-lb) Max rotational torque in medium speed: 30,896 Nm (22,788 ft-lb) Max rotational torque in high speed: 22,951 Nm (16,928 ft-lb) Max rotation speed (low): 79 rpm Max rotation speed (medium): 104 rpm Max rotation speed (high): 140 rpm Max ground drive speed: 2.5 km/h (1.6 mph)

ENGINE

Make and model: Xi'an Cummins QSM11-400 Engine tier: Tier 2 Manufacturer's rated power: 298 kW (400 hp) Rated rpm: 2100

DRILL PIPE

Type: NC46 API/NC50 API 11.4 cm (4.5"), 12.7 cm (5") Length: 6.1 m (20') Diameter: 11.4 cm (4.5"), 12.7 cm (5") Entry angle: 10-24 degrees

OPTIONAL CRANE

Capacity: 2000 kg (4410 lb) Lifting capacity at max reach: 500 kg at 6.2 m (1102 lb at 20') Rotation: 360 degrees

DRILLING FLUID SYSTEM

Max pressure: 110 bar (1650 psi) Max flow: 76 bar (1100 psi)

FLUID CAPACITIES

Hydraulic tank: 800 L (211 gal) Fuel tank: 590 L (156 gal)

FEATURES

Breakout system (vise): Standard Stakedown (base anchor): Optional Drilling lights: Standard Mud flow status: Standard Cab: Standard Rod Loader: Optional Electric Strike Alert: Standard Remote Lockout: Standard

NOTES:



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