

Manufacturer:	Boart Longyear
Rig Horsepower:	220 HP
Rig Type:	Surface Coring Drill
Max Rod diameter:	114.3 mm (4.5 in)
Max. Capacity:	11.3 ton pullback with 6 m rod pull.

DRILL MAST and FEED SYSTEM

Feed Stroke	3.35 m 11 ft
Max Pull Capacity	167.7 kN 37,700 lbf
Max Thrust Capacity	88.4 kN 19,880 lbf
Rod Pull	3 or 6 m 10 or 20 ft
Mast Dump (Crowd)	2.34 m 7.7 ft
Mast Telescope	3.35 m 11 ft

Drilling Angle 45° off horizontal to 90° vertical down

DRAW WORKS

Main Line Hoist *Single speed motor*

Hook Load (single part line)	71.2 kN 16,000 lbf
Hoisting Speed (single part line)	0.35 m/min 1.15 ft/s
Main Hoist Cable	15 mm 0.59 in
Minimum Breaking Strength	226.0 kN 50,800 lb

HYDRAULIC SYSTEM

Primary Pump

Axial piston, variable displacement load sensing, pressure compensated with low pressure standby.

Max Flow	165 L/m 43.5 gpm
Max Pressure	31 MPa 4,500 psi

Secondary Pump

Max Flow	64 L/m 17 gpm
Max Pressure	21 MPa 3,000 psi

Auxiliary Pump

Axial piston, variable displacement, pressure compensated

Max Flow	42 L/m 11 gpm
Max Pressure	14 MPa 2,000 psi

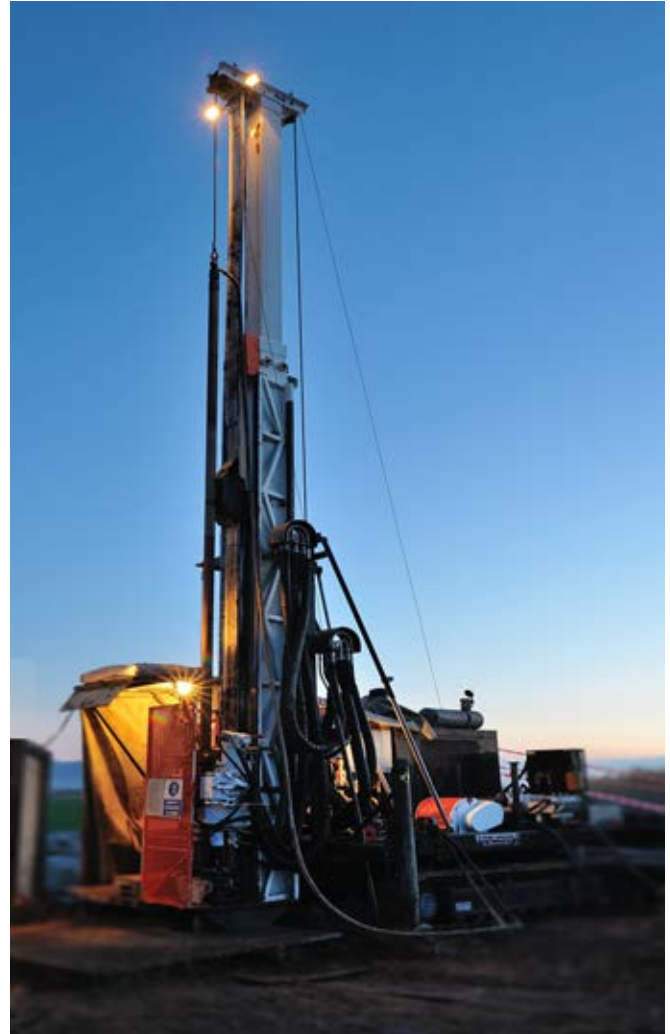
DRILL HEAD

Rotation Motor Rexroth hydraulic motor - variable/reversible

Head Opener

Patented Nitro Chuck™

Hydraulically opened, nitrogen gas spring closed
Axial holding capacity of 222 400 N (50,000 lbf)



Drilling Depth Guidelines:

BRQ / BQ	1385 m
NRQ / NQ	1064m
NRQ V-WALL™	1193m
HRQ / HQ	722m
HRQ V-WALL™	898m
PHD / PQ	476m
PHD V-WALL™	637m

PRIME MOVER

Cummins QSB 6.7 L

Liquid cooled, turbo charged, after cooled, diesel engine

Maximum power 153 kW (220 hp)
(at 2200 RPM)

Displacement 6,7L

TORQUE and RPM RATINGS

1st Gear	122 - 199 RPM	5322 - 3254 Nm
2nd Gear	1246 - 400 RPM	2 648 - 1 620 Nm
3rd Gear	439 - 714 RPM	1486 - 908 Nm
4th Gear	769 - 1,250 RPM	849 - 519 Nm