



PERFORMANCE SPECIFICATIONS

Depth Capacity Coring

(wireline or conventional)

B wireline: 1540 m (5052 ft)
 N wireline: 1200 m (4042 ft)
 H wireline: 800 m (2695 ft)
 P wireline: 475 m (1558 ft)
 Depths are based on vertical hole

Main Hoist

Single line capacity: 15,000 lb
 Line Speed at max volume: Bare drum 104 ft/min
 Max. Cable size: 68 m (228 ft) x 16 mm
 (10/16 in)

Wireline

Capacity: 1830 (6000 ft) of 4,76 mm (3/16)
 975 m (3200 ft) of 6,35 mm (1/4 in)
 Line pull: bare drum: 11,9 kN (2665 lb)
 full drum: 3,0 kN (668 lb)
 Line speed: bare drum: 114 m/min (374 ft/min)
 full drum: 453 m/min (1486 ft/min)

Mast and Feed System

Feed travel: 3.5 m (11.5 ft)
 Feed speeds: fast and slow with variable control
 Thrust: 9,100 kg
 Pull: 21,000 kg
 Drilling angle: 45 - 90 degrees
 Rod pull length: 9 m (29.5 ft)

Power Unit

Manufacture: Cummins
 Model: 6BTA, 5.9 liter 6 cylinder
 Power: 177 hp
 RPM: 2000
 Engine type: Diesel turbo charged/after cooled
 Cooling: Water

Hydraulic System

Primary Pump: 173 l/min (3500 psi)
 Secondary Pump: 125 l/min (2466 psi)
 Auxiliary Pump: 47 l/min (1800 psi)
 Hydraulic oil cooling: ... air

Drillhead and Spindle Speeds

Power: hydraulic motor - variable speed/
 reversible
 Final drive: 4 in chain driven in oil bath - 2,5
 ratio
 Spindle: 117 mm (4 5/8 in) (inner diameter)

Spindle speeds:

	Ratio	Speed, rpm	Torque, Nm (ftlb)
1st	6,63:1	132-207	5113-3259 (3579-2396)
2nd	3,17:1	275-432	2445-1558 (1798-1146)
3rd	1,72:1	508-796	1326-846 (975-622)
4th	1,00:1	873-1369	771-492 (567-362)

Range selection: manual control from operator's
 station
 Hinged head: swing away

Chuck Assembly

Type: hydraulic open, spring
 closed
 Maximum inside diameter: 117 mm (4 5/8 in)
 Holding capacity: 18143 kg (40,000 lb)

Weight

Base drill: 6000 kg (19,680 lb)

Dimensions (Length - Width - Height)

L 3300 mm
 L 5300 mm ... (incl lower mast sect)
 W 2240 mm
 H 2585 mm ... (mast down)
 H 2698 mm ... (incl spin guard -
 mast down)
 H 12310 mm .. (mast up)

Standard Equipment

- Hydraulic mast dump
- Hydraulic mast raise
- Mast in two sections
- Large crown sheave wheel
- Fuel tank 120 l (32 gal)
- Hydraulic oil reservoir fill pump & filtration

Options

- Hydraulic Foot Clamp c/w PQ, HQ slips
- BQ, NQ slips optional extra

All weights and dimensions are approximations and are subject to change