



# 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: ..... 6,09 m (20 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: ..... 9000 kg (19,800 lb)

## Dimensions (Length - Width - Height)

L ..... 3875 mm ... (w/o spring guard)  
 L ..... 4103 mm ... (incl spring guard)  
 W ..... 2240 mm  
 H ..... 2585 mm  
 H ..... 2698 mm ... (w/o spring guard -  
 ..... mast down)  
 H ..... 2698 mm ... (incl spring guard -  
 ..... mast down)  
 H ..... 12310 mm .. (mast up)

## Standard Equipment

- Hydraulic mast dump
- Hydraulic mast raise
- Mast in two sections
- 4 levelling jacks
- Large crown sheave wheel
- Fuel tank 200 l (53 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