itchell Equipment Hire Mitchell Equipment Hire Mitchel Equipment Hire Mitchell Equipment Hire Mitchell

Specification Sheet

Sandvik DE710 Diamond Core Exploration Drill Rig

1300 m Drilling Depth, 53.2 kN Pull Down (feed force) and 89 kN Pull Out (pulling force).



Type: All hydraulic chuck drive.

Drill Mast: 6 m (20 ft) rod pull capacity, designed for angles between vertical and 45°, 1,067 mm (3'6") hydraulic mast dump.

Engine: John Deere JD 6068 TF250 diesel, 134 kW (180 hp) at 2,200 rpm. Other engine options available.

Rotation Head: Chuck drive, series 20 HQ size rotation head hollow spindle. High/ low manual gear change. 100-1,500 rpm stepless speed control.

Output Torque 100% Efficiency			
Intermittent	1,454 Nm (1,069 ft lbf) @ low rpm		
Continuous	691 Nm (508 ft lbf) @ 1,026 rpm		
	475 Nm (349 ft lbf) @ 1,500 rpm		

Pilot-adjustable torque-speed control for diamond drilling. Hollow spindle will accept up to HQ rods. Air-to-oil type lubrication oil cooler fitted.

Optional PO size rotation head available.



Rod Breakout: 2,230 Nm (1,640 ft-lbft) using rotation head.

Head Traverse			
Pull Down	53.2 kN (12,000 lbf)		
Pull Out	89 kN (20,500 lbf)		
Rod Pull	6 m (20 ft)		

Hydraulic cylinder direct coupled to the rotation head carriage. 3.45 m (11'4") traverse at 30 m/min

(100 ft/min) at 2,200 rpm.

Main Hoist: 76.6 kN (17,200 lbf) maximum pull, 55 m (180 ft) per minute maximum speed. Mounted on drill tray single line pull. Failsafe brake mechanism.

Water Pump: FMC (Bean) W1122BCD 140 l/min at 7,000 kPa (37 US gpm at 1,000 psi).

Rod Clamps and Slip Table:

B*, N* and H* rod clamp jaws, hydraulically operated and self energising.
Range of optional jaws available from 44.5 mm (1³/4") to 177.8 mm (7").
Rod clamp body opening 224 mm (8³/4").



equipment Hire Mitchell Equipment Hire Mitche ent Hire Mitchell Equipment Hire Mitchell Equ

Specification Sheet

Wireline Winch: 1,000 m (3,280 ft) of 5 mm (3/16") wire rope. Full drum pull: 3.4 kN (765 lbf) at 300 m/min (985 ft/min). Bare drum pull: 7.8 kN (1,750 lbf) at 125 m/min (410 ft/min).

Hydraulics: Highest-quality axial and radial piston pumps and motors used in three independent open circuits (main/water/ cylinders). Full-flow 10 micron beta-rated return oil filtration. Larger-than-average hose and control valve sizes used to achieve highest possible circuit efficiency. Proven reliability over thousands of hours.

Options:

- Mounting: truck, crawler track, skid
- PQ rotation head
- Mast platform
- High altitude boost system
- Upper rod breaker
- Fire suppression system

000000000000000000000000000000000000000		66666 66	0000			
Depth Capacity (Drilling technique, Diamond core)						
	B*	N*	H*	P*		
Metre	1,300	1,000	680	500		
Feet	(4,265)	(3,281)	(2,230)	(1,640)		

NOTE: Diamond drill depth capacities based on straight, vertical, clean fluid-filled holes. No allowance made to break core. * *Refers to "O", "Q", "T" or similar wire line systems*.

Weights and Dimensions (Bare drill on hydraulic jack-up tray)				
Weight 7,200 kg 15,875 lb				
Length	9.1 m	30'2" Mast Extended		
Width	2.2 m	7′2″		
Height	2.25m	7'2″		

Tools and Consumables:

- Wireline core barrels; standard and thin kerf
- Diamond rods and bits, reaming shells, casing shoes
- Overshots, water swivels, adapter subs
- · Wedges and recovery tools
- RC Hammers
- RC drill pipes, bits and shrouds.



Mitchell

112 Bluestone Circuit

Seventeen Mile Rocks Qld 4073 Australia PO Box 3199 Darra Qld 4076 Australia

- t +61 (0) 7 3376 7277
- f +61 (0) 7 3376 5055
- e info.meh@mitchellgroup.net w www.mitchellgroup.net