



LEVENT 2002® DIESEL CRAWLER CORE DRILLING RIG

POWER UNIT

Manufacture:	Deutz
Model:	BF4L914 Tier/Stage II
Volume:	4.3 liter 4 cyl.
Power:	78kW (102 hp)
RPM:	2200
Engine type:	Diesel turbocharged/after cooled
Cooling:	Air

HYDRAULIC SYSTEM

Manufacture:	Rexroth
Main Pump:	71cc/rev. 260Bar (4061 psi)
Secondary Pump:	18cc/rev. 210Bar (3045 psi)
Hydraulic Oil Cooling:	Air

DRILL HEAD / ROTATION UNIT

Type:	Hydraulic open, spring closed
Spindle inner diameter:	78 mm (3.07 in)
Chuck Axial Holding Force:	110 kN (24728 lbf)
Max.Torque:	1350 Nm (995 ftlbf)
Power:	Hydraulic Motor (Rexroth)
Spindle Speed Range:	20 - 900 rpm

WIRELINE

Max.Pull Force:	3,4 kN (765 lbf)
Cable Size:	5mm (3/16 in)
Capacity:	400 mt (1312 ft)
Line Pull:	Bare Drum: 5.8 kN (1300 lbf)
	Full Drum: 3.4 kN (765 lbf)

FEED FRAME

3 different stroke lengths are available, the mast movement is achieved by two hydraulic cylinders and chain system.

Feed Type	Feed Force	Pull Force
850 mm (33.4 in)	60 kN	60 kN (13090 lbf)
1800 mm (70.9 in)	60 kN	60 kN (13090 lbf)
3300 mm (130 in)	60 kN	60 kN (13090 lbf)
Drilling Angle:	360 degrees	

DRILLING CAPACITIES

A-WL	Ø44 mm	600 M	(1997 ft)
B-WL	Ø56 mm	550 M	(2000 ft)
N-WL	Ø70 mm	400 M	(1320 ft)
NWJ	Ø67 mm	350 M	(1165 ft)

*Above mentioned values may differ according to surface

HYDRAULIC MUD PUMP

Max. Flow:	135 lt/min	36 gal/min
Max. Pressure:	70 Bar	(1000 psi)

ROD HOLDER

Type:	Hydraulic open, Disc spring closed
Max. Rod Size:	114,3 mm (8.3 in)
Holding Force:	24 kN (5280 lbf)

DIMENSIONS

CRAWLER	L - W - H
5000 mm (16.4 ft)	2090 mm (6.86 ft) 2550 mm (8.37 ft)

