XDR 650 DRILL RIG

EXPLORATION

Key Elements:

- 2 Speed Floating Hollow Spindle Drill Head.
- Cummins Diesel QSB 6.7 Ltr Engine.
- FMC John Bean L09-18HD-BCD.
- Drill Head travel of 3 Meters.
- Mast length of 9.5 Meters.
- 1.5 Meter Mast Dump.
- 900 Meters H.

Responding to requests for a compact yet powerful diamond core drill, XDR have produced the XDR 650. This compact drill packs neatly into a 20ft shipping contaner, but when unfolded becomes a 12 ton pullback top head drive powerhouse capable of drilling 1200N meter holes with ease. This power is matched up to sufficient winching capabilities that out performs many larger drills in the market.

Rotation is through the XDR two speed floating spindle rotation head with both variable speed and torque, while the hydraulic head slide makes running casing easy and efficient. The XDR 650 also incorporates full size tapered foot clamps and can comfortably handle N, H, P, rod sizes. With 3.5 meters of head travel and 9.5 meters of winch travel, the XDR 650 has the characteristic of a full size drill in a compact easily transportable package.

XDR

XDR 650 Technical Specifications

Drill Rod/Core Barrel	Rod Size	Core Size (mm)	Hole Depth (metres)
B	OD 55.6 ID 46.1	36.4	1770 +
N	OD 69.9 ID 60.3	47.6	1400 +
H	OD 88.9 ID 77.8	63.5	930 +

Base	Fully welded structure – channel & RHS with four levelling jacks
Mast	Square Hollow Section Mast / Mast Length 9.5 meters Drill Head travel 3.6 metres with Hydraulic head slide Drill Head travel 3.6 metres XDR Hydraulic operated Foot Clamps
Feed Variable	Variable feed pressure control /Pull Back 12,000 kg (Variable) Pull Down 4,500 kg (Variable)
Dump Mast	1.5 meter mast dump/UHMWPE Slides
Drill Head	2 Speed Floating Hollow Spindle Drill head Variable Speed Piston Motor Pressure Lubricate arde Ground) Speed and Torque Variable High Low 1020 RPM - 980 Nm 170 RPM - 5880 Nm 1250 RPM - 800 Nm 208 RPM - 4780 Nm 1500 RPM - 650 Nm 250 RPM - 3900 Nm
Main Winch	Main Winch Capacity - 10,000 kg single line pull /Winch limiter / Wire rope overrun cut out/Planetary reduction gearbox, fail safe brake, complete with
Wireline Winch	Capacity - 8mm non-rotating (18 X 7 Construction) 1400 metres Radial Piston Motor /Planetary reduction gearbox complete with over centre
Pumps	1 x Main pump Kawasaki 140cc Pressure compensated load sensing 2 x Auxiliary Kawasaki pumps GPM High Pressure Gear Pump
Valves	AMCA-APV22 Proportional load sensing valve Sauer Danfoss Auxillary valves/Op Press 240 Bar (3,500 PSI)
Hydraulic Tank	600Ltr capacity
Filtration	Full flow filtration/Arlon return line filtration All circuits 10 micron absolute
Oil Cooler	Combi Cooler with Engine
Control System	Rig functions & Gauges include water flow and pressures All engine controls - Shut down in panel/1 Emergency Stop in panel (3 in total on
Engine	Cummins Diesel QSB 6.7 Ltr Custom Pack 250 HP at 2,200 RPM
Water Pump	FMC John Bean L09-18HD-BCD/Variable speed: Maximum 250lts/min @ 70 bar
Other Standard Features	Guarding to table with rotation shutoff/Guarding to all rotating items Two Pack paint system to Rig/Enclosed pulleys/Drillers operating platform/Rig Lighting

SPECIFICATIONS

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