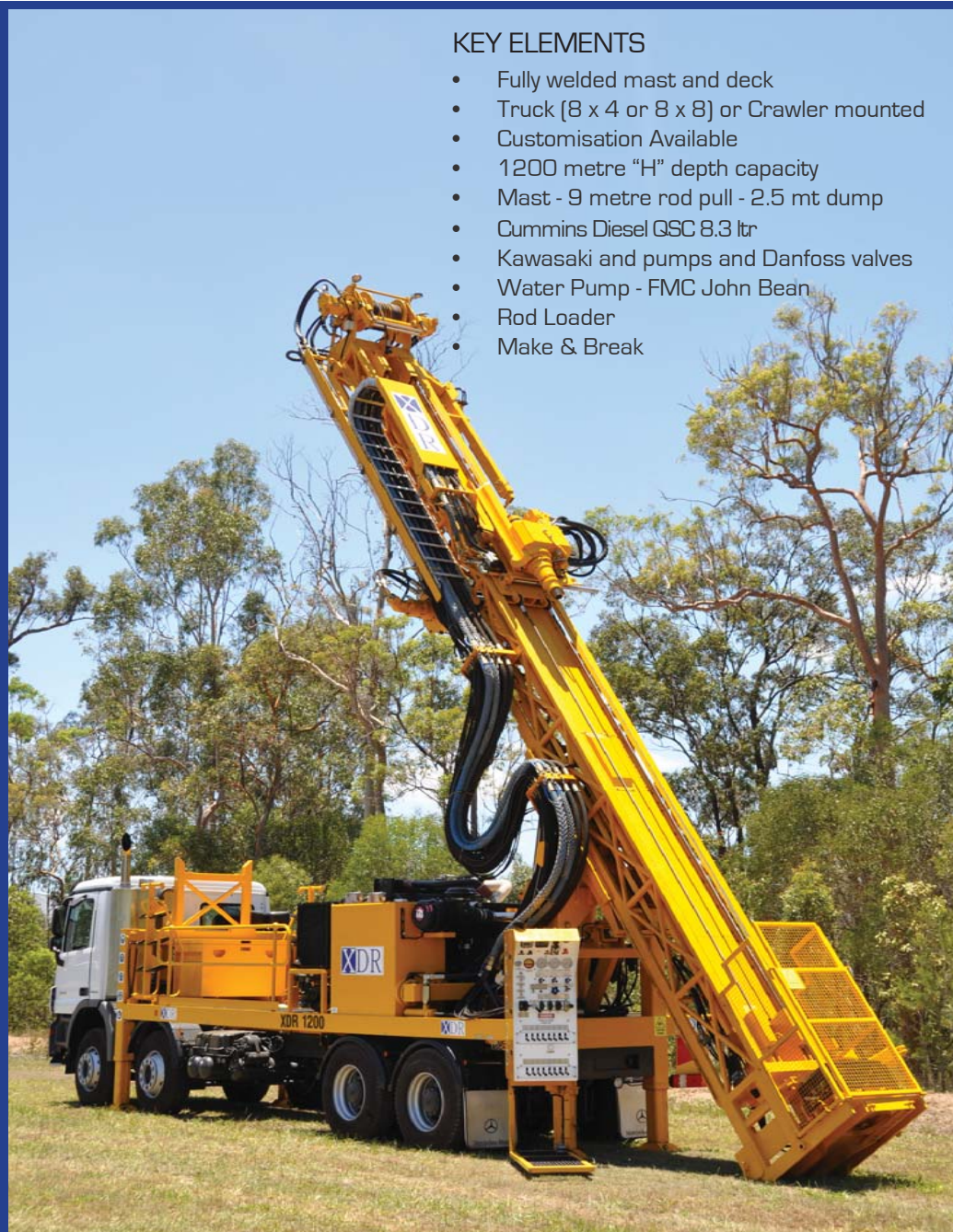


XDR1200 Multi Purpose Drill Rig

KEY ELEMENTS

- Fully welded mast and deck
- Truck (8 x 4 or 8 x 8) or Crawler mounted
- Customisation Available
- 1200 metre "H" depth capacity
- Mast - 9 metre rod pull - 2.5 mt dump
- Cummins Diesel QSC 8.3 ltr
- Kawasaki and pumps and Danfoss valves
- Water Pump - FMC John Bean
- Rod Loader
- Make & Break



The XDR drilling rig platforms have evolved over 20 years of rugged field evaluation in Australia. Our XDR1200H is the culmination of this infield experience, utilising tried and proven components from world recognised manufacturers. This design experience enables our rigs to withstand the harsh environments where exploration drilling takes place. Key components used have international warranties and the components and consumables are readily available in Australia and worldwide.

The XDR1200H is a high capacity drill rig with a 10.3 metre mast structure, which delivers a 9 metre rod pull, while also providing more internal room for make and break options now available from Exploration Drill Rigs Pty Ltd. This "Make & Break" unit, allows RC drill rod joints to be both mechanically tightened and un-tightened without any physical contact from the drill operators, eliminating one of drillings highest safety risk activities.



XDR1200 Drill Rig Multi Purpose Drill Rig

Drilling Capacity Coring – Wireline

Drilling depths reached will be dependent upon a number of factors including the rock type, drilling techniques, tools and overall conditions. The hole depths in the table below are based on 90% of hydraulic efficiency.

Drill Rod/Core Barrel	Rod Size (mm)	Core Size (mm)	Hole Depth (metres)
B	OD 55.6 ID 46.1	36.4	2400 +
N	OD 69.9 ID 60.3	47.6	1800 +
H	OD 88.9 ID 77.8	63.5	1200 +
Base	8 metre fully welded structure – Channel & RHS /Four levelling jacks		
Drill Mast	Fully welded lattice frame with cross bracing /Mast Length 10.3 metres plus winches Drill Head travel 7.5 metres/Hydraulic head slide 22mm non rotating wire ropes with Hydraulic tensioning/XDR hydraulic drill rod clamp		
Feed	Variable feed pressure control /Pull Back 21,500 kg (Variable) /Pull Down 12,500 kg (Variable)		
Dump Mast	Heavy Duty 2 metre mast dump/UHMWPE Slides		
Drill Head	2 Speed Hollow Floating Spindle Drillhead/Variable speed Hydraulic Piston Motor Pressure Lubricated – (Gears Hardened & Ground) Speed and torque @ 100% efficiency 110 to 1500 RPM 830 Nm / 165 to 1000 RPM 1246 Nm 110 to 250 RPM 4,980 Nm / 165 to 160 RPM 7,470 Nm		
Main Winch	Capacity – 17,600 kg single line pull/Speed 35 - 85 metres per minute 20mm non-rotating (35 x 7 Construction)/Variable Speed hyd motors – Wire rope overrun cutout Planetary reduction gearbox, Fail safe brake complete with over centre valve		
Wire-line Winch	Capacity – 6 mm non-rotating (18 x 7 Construction) 2100 metres /Wire Rope level winder Planetary reduction gearbox, Fail safe brake complete with over centre valve		
Pumps	1 x Main Pump Kawasaki K3VL200/Pressure compensated load sensing 2 x Auxiliary pumps/Kawasaki Series 45 – 75 cc + 60cc/Pressure compensated load sensing		
Valves	AMCA Main Directional Valve/2 x Danfoss PVG 32/8 Auxiliary valves Proportional load sensing valves/Operating Pressures 240 Bar (3,500 PSI)		
Hydraulic Tank	600 ltr capacity		
Filtration	Hydac pressure filtration/Arlon magnetic core return line filters/Circuits 10 micron absolute		
Oil Cooler	Hydac Hydraulic fan driven cooler		
Control System	All rig functions & Gauges including water flow & pressures/All engine controls – Shut down in panel 1 Emergency Stop (3 in total on rig)/Hydraulic pivoting control panel		
Engine	Cummins Diesel QSC 8.3 Custom Pack (305 HP @ 2,100 RPM)		
Water Pump	FMC John Bean L09-18HD-BCD/Variable speed: Maximum 250 lts/min @ 70 bar		
Other Features	Guarding to table with rotation shut off/Guarding to all rotating items/Rig safety rails including toe kicks Enclosed pulleys/Drillers operating platform/Fold down ladder to deck/Rig lighting/ Two pack paint		
Options	Fire Suppression system/hydraulic lighting pack/Hydraulic generator set/Multi-urpose (RC) drill fit out Mast Ladder/ Mast Ladder / Jib / Rod winch/ Rod loader and Rod spinner		

These technical specifications are based on theoretical engineering calculations. Actual capacity will depend on specific drilling conditions and materials. Exploration Drill Rigs Pty Ltd reserves the right to change or make modification to designs and specifications without prior notice or obligation.



Manufactured in INDIA by:-

HYDCO Engineering Private Limited

Survey no. 928/1 Near GEB Sub-station, Chhatral-Kadi Road, Chhatral,

Gandhinagar, Gujarat- 382729, INDIA, Telephone - 02764-233270/71

Contact : Rupesh J. Patel - Executive Director , Mobile # +917573048908

Email: rjp@hydcoengineering.com Web: www.hydcoengineering.com

