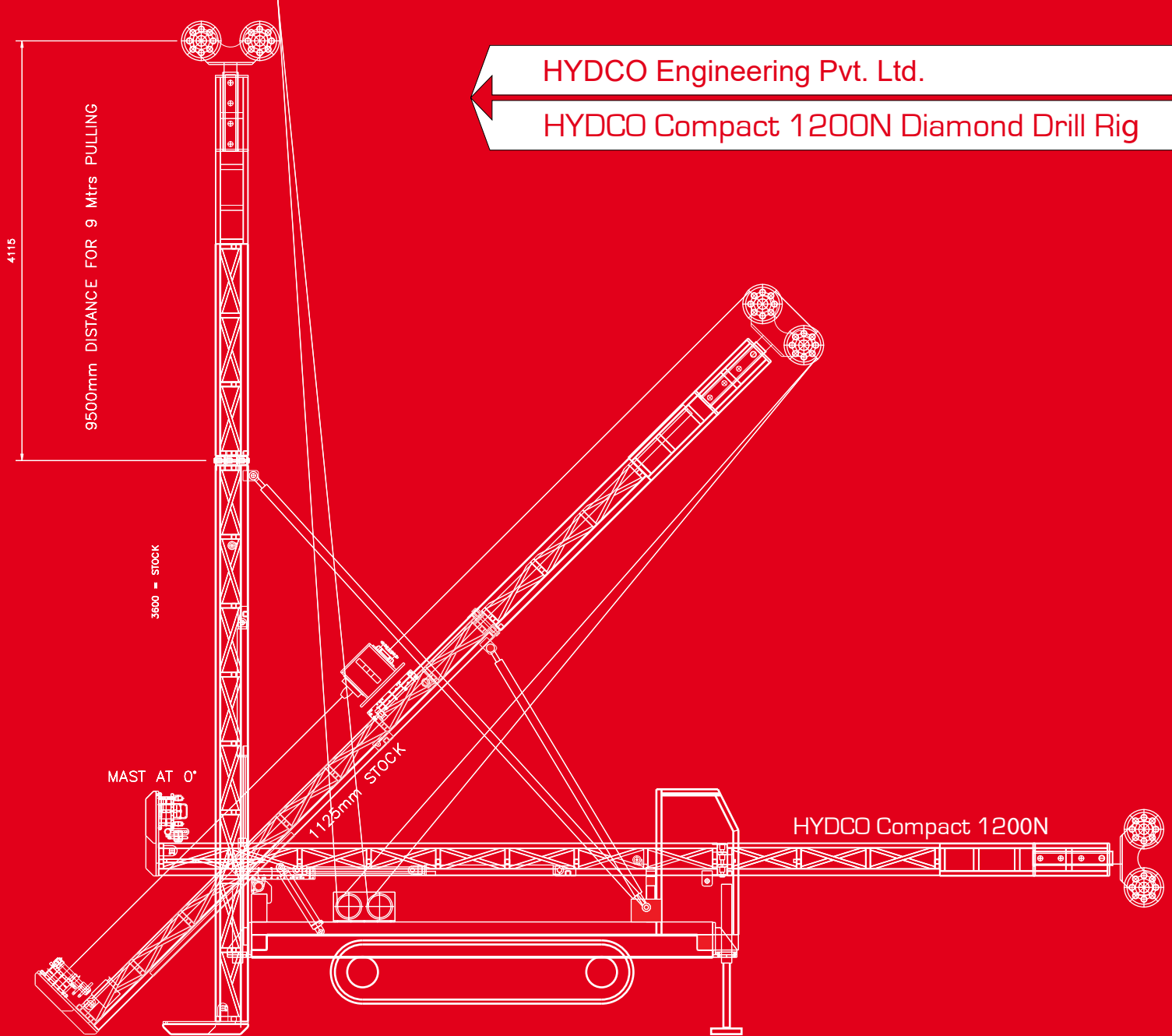


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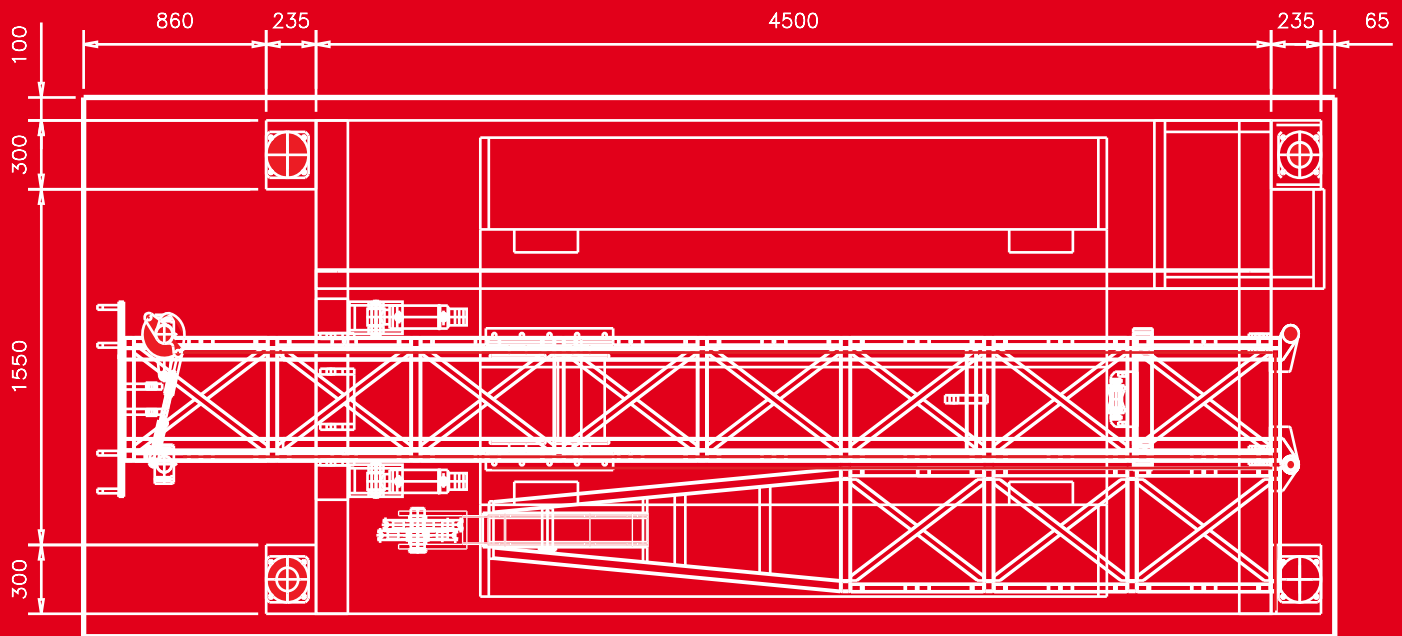
HYDCO Compact 1200N Diamond Drill Rig



HYDCO Compact 1200N Diamond Drill Rig Technical Data

Key Elements:

- Fully welded mast & deck
- Skid or track mounted
- Customisation available
- 1200 meter + "NQ" depth capacity
- Water pump - FMC John Bean
- Mast - 9 meter rod pull - 1.5 meter dump
- Variable speed multi purpose head
- Cummins 6CTA (mechanical) power unit
- Sauer Danfoss pumps and valves
- Compacts into 20ft shipping container



HYDCO Compact 1200N Diamond Drill Rig folded into 20ft shipping container

HYDCO Engineering Pvt. Ltd.

HYDCO Compact 1200N Diamond Drilling Rig

Exploration Drill Rigs Pty. Ltd's latest addition to the Hydco range of drilling rigs for the mineral exploration market is the **HYDCO 1200N**. This rig is a tough but compact rig and follows on from the previous success of the larger muscle drills Hydco manufactures. A unique feature of the HYDCO 1200N is the capability of compacting into a 20ft shipping container, filling a need in today's global market for a drilling rig to be shipped with ease and affordability from one country to another. The **HYDCO Compact 1200N** drilling rig is skid or track mounted and has a mast capable of folding up. When the HYDCO 1200N mast is fully extended the rig can drill in 3 meter lengths and pull rods in 9 meter lengths.

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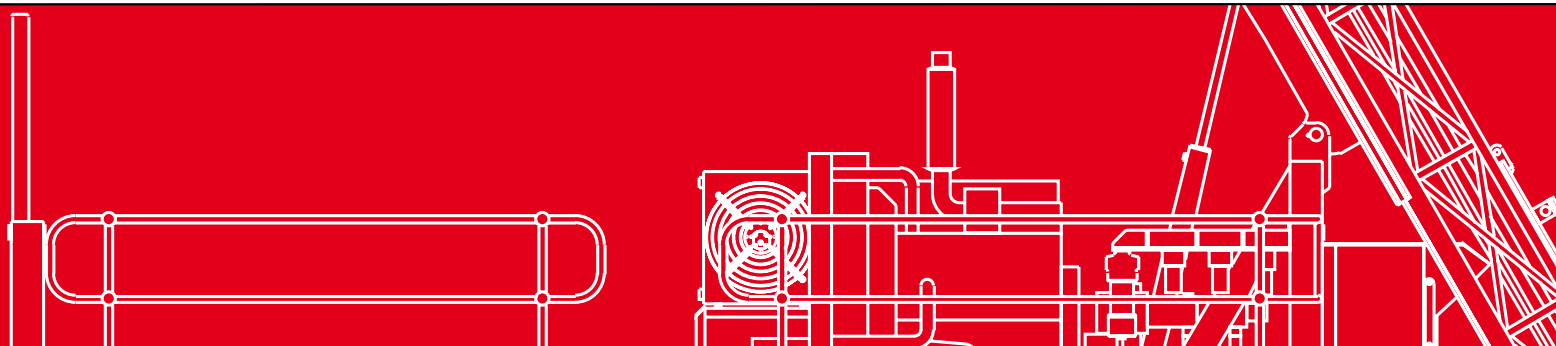
www.hydcoengineering.com



1. Drilling Capacity Coring – Wireline

The technical data supplied for drilling depths, has been based on drilling data obtained from the operations of similar drilling rigs manufactured and designed by Hydraulic Contracting & Supply Pty Ltd. The actual drilling depths reached will be dependent upon a number of factors including the rock type, drilling techniques, tools and overall conditions.

Specifications	HYDCO Compact 1200N Diamond Drill Rig
Deck	Fully welded deck with four levelling jacks mounted on Tracks Mast pivot and Dump Assembly Deck size 4500 mm x 2150 mm
Mast	RHS Box Section fully welded lattice frame mast with Top Section swing away for travel Feed travel 3600 mm Rod Pull 9500 mm above the Hydco hydraulic Foot Clamps Hydraulic head slide Mast Dump 1500 mm Mast Stays 45 Degree to 90 Degree
Feed	Variable feed pressure control Pull back: 16200 Kg Pull down: 5500 Kg.
Drive Head	Hollow Spindle Top Head Drive Pressure lubricated bearings Hardened & Ground gears Ratio 2.5:1 with 2 Speed Piston Motor Speed & Torque at 100% efficiency At 1000 rpm : 1030 nm At 1500 rpm : 685 nm
Main Winch	Capacity 9600 kg bare drum single line pull Wire rope 22 m of 18 mm non rotating with Clevis Eye included Variable Speed: One planetary reduction box fitted with failsafe brake, hydraulic piston motor and over centre valve
Wire-line Winch	800 Kg bare drum line pull, 600 kg at half drum Wire rope 6mm non rotating Capacity 1,400 meters Failsafe brake, hydraulic motor, over centre valve, rope feeder system
Engine	Cummins Diesel 6CTA 8.3 Litre Custom Pack 260 HP @ 2200 rpm Mechanical Engine



Specifications	HYDCO Compact 1200N Diamond Drill Rig
Hydraulics	2 x Sauer Danfoss 147cc Piston Pumps, Load sensing pressure compensated with auxiliary gear pumps Cooling Air/Oil Cooler Package System design pressure 240 bar Hydraulic Reservoir Filtration: 10 micron Absolute return line full flow filtration with remote hand pump filling system through 10 micron filter
Control Panel	All rig functions & gauges from control panel Engine controls and Murphy shutdown in panel Emergency stop in panel All controls and gauges labelled
Water Pump	L09-18BCD 50 US gallon/min at 1,000 psi complete with relief valve, pump out valving and digital flow meter
Tracks	Hydraulic powered steel track with operators driving cab Diesel Fuel tank located between tracks
Clamps	Hydco Hydraulic Foot Clamps including BQ, NQ and HQ slips
Manuals	2 x "Operators & Components Manual" including Hydraulic & Electrical Circuits. Electronic Copy (A Soft copy of Manual on CD-ROM) included
Standard features	Guarding to rotating parts Guarding to work table with rotation restriction Drillers operating platform Safety Signs Two pack paint system.
Options	Engine noise suppression Canopy Fire Suppression Rig Lighting Skid Mount

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 modifications to design and specifications without prior notice or obligation. Due to continuous product development process at Hydco Engineering Pvt. Ltd. & Exploration Drill Rigs Pty. Ltd., the above furnished specifications are subject to change without notice.



Manufactured in INDIA by:-
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