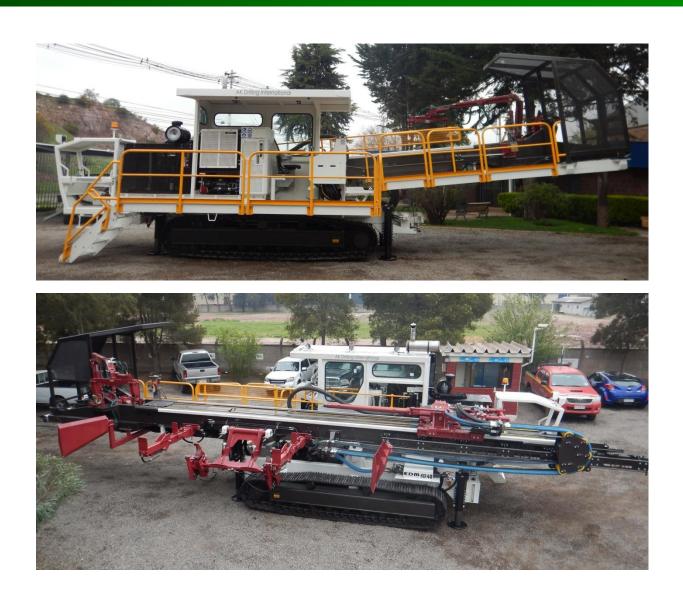
## **Exploration Drill Masters** Horizontal Reverse Circulation Drill Rig

EDM HXR 40 TRACK MOUNTED



Safety – Efficiency - Trust



### **Exploration Drill Masters** Horizontal Reverse Circulation Drill Rig

# EDM HXR 40 TRACK MOUNTED

The EDM HXR40 has been designed specifically for in pit dewatering holes , and conforms to all standard manditory mine site safety standards and regulations. The HXR 40 can be operated by one person if required and all rod handling and loading is a 100% hands free operation.

#### **Diesel Engine**

Cummins QSB 6.7 265HP@2100 rpm Fully enclose unit

#### **Rotation Head Top Head Drive**

Hollow Spindle ID: 70mm – 3 <sup>1</sup>/<sub>2</sub>" API IF pin thread 9,500ft-Lb (Max. Break out torque) 5-85 rpm

#### Mast

Heavy Duty section mast structure Capable of angles from 7°up to 2° down Standard hydraulic mast raise cylinder with counter balance valves installed as standard for safety Two hydraulically extendable mast feet to support the mast against the wall.

#### Head Traverse

Driven by one hydraulic cylinder, 2:1 rope system Max speed up cylinder 415mm/sec, rope system 830mm/sec Max speed down cylinder 311mm/sec, rope system 622mm/sec 7.6m stroke with rotation head

### Pull Down

17,000 Lbf

Pull Out 40,000 Lbf

#### Water Pump

FMC (Bean) W1122BCD 140 LPM@7,000KPa Powered from rig hydraulic system

#### Rod Break Out (Metzke)

Metzke Makor / Break wrench hydraulic cylinder mounted for hydraulic breakout capability

### Dual Rod Breaker (Airdrill)

3-1/2" to 5-1/2" top rotating breaker 3-1/2" to 5-1/2" bottom fixed breaker

#### Hydraulic RC Spanner

Hydraulically operated RC spanner.

#### Jack Leg

Heavy Duty cylinder with pilot check valves Extra large pads for better ground stability

#### Slip Table - Metzke

Hydraulic operated table spanner 12" hydraulic opening with replaceable guides

#### Rod Handler

Type EDM Capable of handling 4-1/2" – 10"rods and casing EDM Rod rack and presenter capable of holding 5 Rods

#### **Rear Mounted Crane**

Mounted on end of mast for loading/unloading of rod rack from/to support vehicle or rod racks Jaws capable of holding 3" – 5" rods Max capacity 350kg @ 4.2m Remote controlled with manual backup

#### **RC Accessories**

Drillstar top and bottom independent swivel, 500psi sample hose, 3" type boss fittings, 1500psi Aeroquip 2" air hose, diverter box, sample hose support with brackets, head inner tubes & adaptors Connection for external compressor Optional Blowdown

#### Control Panel

Easy self explanatory layout Easy access for basic maintenance and repairs Fully sealed control panel with all electrical instrumentation Semi enclosed operators panel

#### Hydraulics

Parker pump & motors, Parker 220 main valve, Danfoss PVG32 auxiliary valves, Sun cartridge

#### **Drivers Cabin**

Adjustable seat with seat belt Emergency stop button Oil pressure, engine temperature gauges Tramming controls

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### **Exploration Drill Masters** Reverse Circulation / Explorer Drill Rig

# EDM HRX 40 TRACK MOUNTED

#### Theoretical Rated Depth Capacity Reverse Circulation Drilling

4" – Dual Wall RC pipe – 400m 4 ½" – Dual Wall RC pipe – 350m

#### Dimensions

Platform Width 4400mm Working, 3000 Transport Jack leg centres 5600mm Mast Length 14500mm Overall Height 4000mm Weight: 30.000kg

#### Tracks (Strickland 385 series)

40t static load

- New frame assemblies
- Two speed motors
- 3.5kph max tramming speed

#### Safety Features

•Guards on all rotating equipment

- •Anti slip grid mesh on all work platforms
- •Hand rails on all work platforms

•Emergency stops in control cabinet and on both sides of machine

•Heat guards on all exhaust manifolds and piping

- •Murphy shut down system which protects the following
- •Low engine oil pressure, coolant level, compressor.
- Temperature level
- •High engine temperature
- Low hydraulic tank oil level
- •24 volt, 100amp alternator to enable high quality additional work lights
- •Two certified 10kg fire extinguishers

#### Standard Features

•Easy accessible control panel for general maintenance •Clear easy to read and self explanatory controls

- •Warning horn to alert drill crew
- •Easy accessible oil drain station for engine, hydraulic tank, FMC pump and
- •Fully sealed electrical panel
- •Hydraulic test points on all pumps, motors, and spool banks
- Battery isolation switchFuel tank gauge
- •Clearly labelled oil type and grades on all oil fill points

•Two additional available spool banks, one with detent, one spring centre for additional mud mixing systems, casing jacks, etc

•10m of 2 inch suction hose with foot valve and cam lock connectors

•Flashing light, and standard mine site lighting

•Rig platform access ladders and steps

•EDM products are designed with standard imperial materials. All threads are either UNC or UNF. All hydraulic valves bodies, pumps, motors use common SAE O-ring boss adaptors

#### Warranty

1 Year / 5000 hrs



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