

OX-SR72

REVERSE CIRCULATION DRILL RIG



RC EXPLORATION



GRADE CONTROL



WATER WELL

Dual Spanner & Dual hands-free breakout



Rod Handler Radio Remote control system



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SPECIFICATIONS

DECK ENGINE

- MTU 12V-2000 (Tier I): 850 bhp (634 kW) or CAT C27 (Tier 2): 950 bhp (708 kW)
- Engine canopy fire suppression system
- 950 litre fuel tank (steel or aluminium)

COOLING

- Aluminium V-Pack, 55°C ambient design temperature

MOUNTING

- Truck or crawler options

COMPRESSOR

- Sullair 20/12 STR - 2 stage, 1350 cfm @ 350 psi, 1150 cfm @ 500 psi

TOP HEAD ROTATION

- Dual motor rotary head
- OMVW 500 motors (other options available)
- Heavy duty nylon head slides

MAST & FEED SYSTEM

- Operating angle, 45-90°
- Mechanically locks in 5° increments
- Mast slide travel: 2,243 mm
- Head travel: 9,144 mm
- Feed cylinder: (2) 5 ½" bore x 2 ¾" rod x 180" stroke
- Top head driven by two hydraulic cylinders through HD roller chain
- Pullback capacity: 74,000 lbs. (33,566 kg)
- Pulldown capacity: 35,270 lbs. (16,000 kg)
- Fixed or adjustable mast foot of 595-895mm

BREAKOUT & SPANNERS

- Metzke compact MB550 dual breakout (other options available)
- Top & bottom pneumatic spanners (other options available)

SLIPS TABLE

- 12" dual acting hydraulic slips table (other options available)
- Supplied with inserts

ROD HANDLING & STORAGE

- KL DA554 rod handler
- Automated Rod Retention system
- Radio remote
- Tilting rod bin: 5x9 (45 rods, 4.5") Max. 10t capacity

WALKWAYS & SAFETY

- Hydraulically operated passenger side walkway
- Sequenced rotation guard
- Service bulkhead for remote greasing and fluid drain
- Fire suppression 105L loss in pressure system
- 9kg dry chemical extinguisher (2)
- Mast access platform

JIB BOOM/SURVEY WINCH

- Exploration Jib Boom, 500 kg WLL with survey winch

HYDRAULIC SYSTEM

- Seven (7) hydraulic pumps: six (6) variable volume and one (1) fixed displacement
- Hydraulic circuits filtered and protected by relief valves

AIR & MUD LINES

- 1.5" air/mud lines rated to 1000 psi
- Full length hose socks
- Engineered whip checks
- Auxiliary air & booster lines
- Actuated hands free

WATER INJECTION SYSTEM

- FMC E0143C water pump (optional under-deck Dynaset)
- 3-way diverting valve for wash down, water injection, and dust suppression

TOOL LUBRICATOR

- Positive displacement, air operated piston type pump
- Oil flow: 0-5 gal/hr (0-19 l/hr)
- 68.5 litre capacity

OPERATOR CONSOLE

- Portable operator console connected via umbilical cord
- All drilling functions are electronically controlled

LIGHTING & ELECTRICAL SYSTEM

- 24 volt DC electrical system
- LED lighting
- 3 emergency stops

RIG WEIGHT & DIMENSIONS

Note: Approximate only; varies with rig configuration.

- OA length - transport: 12,000 mm
- OA width: 2,800 mm
- OA height - transport: 4,590 mm
- Approximate weight - 43,000 kg (truck dependent)

OPTIONAL EQUIPMENT

- Rod bin walkway
- Reverse Circulation package
- 750 kg Jib Boom
- Tilting head assembly
- Energy Chain (E-Chain) hose management system
- Other water pumps