



X350 HC Drill Rig



Mast

- Compact double lattice mast structure.
- Heavy-duty dump mast plate with single hydraulic cylinder providing 1.8 metre dump stroke.
- Twin hydraulic mast raise cylinders.
- 4.5" bore x 3" rod feed cylinder actuating 2:1 ratio travelling sheave system providing 7.35m meters of rotation head stroke.
- Rapid head traverse speed (1m per second top to bottom, .95m per second bottom to top).
- Variable hold-back and pull-down fine feed control.
- 12,500 kg pull-back capacity with Dual 140 heavy duty pull-back chain and single 140 pull-down chains.
- Slips table assembly with air actuated upper and lower bisalloy rod spanners.
- Hands free hydraulic breakout.



Rotation Head

- AustEx X350 drive head with heavy-duty hardened and ground gears.
- Travelling head plate mounted to mast via heavy-duty adjustable nylon wear strips.
- Twin hydraulic rotation motors providing max 7,200 Nm of rotation torque.
- 0 to 130 rpm speed range.
- 75mm diameter hollow bore spindle.
- OX box optional.

Base

- Optional length and width rig base.
- Design to suit crawler track frame and/or truck fitment.
- Rear hydraulic stabilising jack legs fixed into rig base.
- Front hydraulic stabilising jack legs, each side incorporated into hydraulically extendable frame.
- Built in hydraulic rod bin capable of carrying 25x4.5" drill rods.
- Hydraulic fold up walk way and hand rail with retractable stair optional.



Power Unit

- Caterpillar C18 diesel engine producing 700 horsepower at 1800 rpm or.
- Cummins QSK19 diesel engine producing 755 horsepower at 1800 rpm .
- Sullair 2-stage compressor air-end providing 1150 cfm at 500 psi or
- Atlas Copco 2-stage ORX12 compressor air-end providing 1240 cfm at 425 psi
- Hydraulic pump group direct coupled to front of engine consisting of:
 - 1 x Rexroth A10V145 piston pump (171 litres/minute @ 3500 psi)
 - 1 x Rexroth A10V100 piston pump (171 litres/minute @ 3500 psi)
 - 1 x Rexroth A10V71 piston pump (121 litres/minute @ 1500 psi)
 - 1 x 51cc Gear pump.

Miscellaneous

- Double element filtration for engine and compressor air inlets.
- 600 litre capacity hydraulic oil tank with level sight glass and return & case drain filtration.
- Hydraulic pressure filtration.
- Allied V pack cooler pack (rated to 55 degree C ambient) incorporating engine water radiator, compressor oil, hydraulic oil, air charge & diesel fuel coolers. Hydraulically driven fan motor.
- FMC A0413C vertical piston water pump.
- 24 volt electrical system including heavy-duty battery box and emergency stop buttons.
- Safety guarding to moving components.
- Fold up driller's platform.
- All fabricated components sand-blasted prior to painting. All components primed and top coated with high quality 2-pack urethane paint in the customers colour of choice.

