

DRILLING: ATLAS COPCO RD10 TOP DRIVE DRILL RIG



RIG MOUNTING

6X4 Chassis with 203-inch wheelbase
76,000 lb GVWR highway service and speeds less than 50 MPH

RIG POWER

Caterpillar C10 370 HP; 10 Speeds Forward, 3 Speeds Reverse

RIG DECK POWER

Deck mounted Cummins, QSK-19C, 755 HP Diesel Engine with an isolated powerpack base; this drives the hydraulic gearbox and the air compressor

AIR COMPRESSOR

Ingersoll-Rand Air Compressor, 1,250 CFM x 120 PSI to 350 PSI

DERRICK

Dimensions 35'-11"L x 46" W x 33"; Designed for vertical and dump angle drilling up to 45°
Pull back: 100,000 lbs. - Pull down: 30,000 lbs.

HEAD TRAVEL SPEED

Drill Feed Rate: 200 feet per minute – Feed Up; 110 feet per minute – Feed Down

TOP HEAD PERFORMANCE

Head rotation speed 0 to 100 RPM
Drilling torque 10,000 ft-lb @ 100 RPM

CONTROL PANEL

Derrick mounted, pivoting, operator console with electric over hydraulic controls

HYDRAULIC LEVELING JACKS

Drill End: Two 6" x 48" stroke hydraulic cylinders with 18in. diameter jack pads
Non-drill End: One 5" x 48" stroke hydraulic cylinder with 18 in. diameter jack pad

RIG TRAVEL DIMENSIONS

Overall Height (derrick up position) = 38' 10";
Overall Height (derrick down position) = 13' 10"
Overall Width = 8' 0"; Overall Weight Dry (approx.) = 68,400 lbs.

DRILLING CAPABILITIES

Proven deep reverse circulation drilling rig capabilities to 4000+ ft.

FEATURES AND BENEFITS

- + The exclusive in/out box allows the compressor to be disconnected when not needed – saving fuel and increasing component life
- + Two function-zoned consoles allow precise setup and operation of the machine
- + Fast rod handling with the standard jib boom and hoist
- + The derrick allows for a 0-to-45 degree drilling angle, and the derrick dumps to ground level and the jacks provide stability
- + Optional mud manifold for "off board" mud pump

Specification will vary by specific drilling rig unit number