
Atlas Copco CS14 Diamond Core Drill [Inventory ID #1355401]



Atlas Copco CS14 Diamond Core Drill

- Make: Atlas Copco
- Model: Christensen CS14
- Type: Diamond Core Drill
- Condition: Used, Reported in Good Condition

- General Model Specifications:
 - Depth Capacity Coring: (Wireline or Conventional)
 - B Wireline: 1,540m (5,052ft)
 - N Wireline: 1,200m (4,042ft)
 - H Wireline: 800m (2,695ft)
 - P Wireline: 475m (1,558ft)

 - Main Hoist:
 - Single Line Capacity: Bare Drum 80kN (18,000 lbs.)
 - Line Speed: Bare Drum 44m/min (148ft/min)
 - Cable Size: 35m (118ft) x 16mm (10/16in)

 - Wireline:
 - Capacity:
 - 1,830m (6,000ft) of 4.76 mm (3/16in)

- 975m (3,200ft) of 6.35 mm (1/4in)
- Line Pull:
 - Bare Drum: 11.9kN (2665lbs.)
 - Full Drum: 3.0kN (668lbs.)
- Line Speed:
 - Bare Drum: 114m/min (374ft/min)
 - Full Drum: 453m/min (1,486ft/min)
- Mast and Feed System:
 - Feed Travel: 3.5m (11.5ft)
 - Feed Speeds: Fast and Slow with Variable Control
 - Thrust: 59.6kN (13,390lbs.)
 - Pull: 138kN (31,020lbs.)
 - Drilling Angle: 45° to 90° degrees
 - Rod Pull Length: 6.09m (20ft)
- Power Unit:
 - Manufacture: Cummins
 - Model: QSB6.7
 - Volume: 6.7L 6-Cylinder
 - Power: 208HP (153kW)
 - RPM: 1800
- Hydraulic System:
 - Primary Pump: 28MPa – 242 L/min (4,061 PSI – 63.9 Gal/min)
 - Secondary Pump: 20MPa – 122 L/min (2,901 PSI – 32.2 Gal/min)
 - Auxiliary Pump: 21.5MPa – 47 L/min (3,118 PSI – 12.4 Gal/min)
 - Hydraulic Oil Cooling: Air
- Drillhead and Spindle Speeds:
 - Power: Hydraulic Motor – Variable Speed/Reversible
 - Final Drive: 4in Chain-Driven in Oil Bath – 2.5 Ratio
 - Spindle (Inner Diameter): 117mm (4.625in)
 - Spindle Speeds:
 - 1st: 6.63:1, 117-196 RPM, 5,113-3,051 Nm (3,771-2,250 ft-lbs.)
 - 2nd: 3.17:1, 245-410 RPM, 2,445-1,459 Nm (1,803-1,076 ft-lbs.)
 - 3rd: 1.72:1, 451-756 RPM, 1,326-792 Nm (978-584 ft-lbs.)
 - 4th: 1.00:1, 776-1,300 RPM, 771-460 Nm (569-340 ft-lbs.)
 - Range Selection: Manual Control from Operator's Station
 - Hinged Head: Swing Away

- Chuck Assembly:
 - Type: Hydraulic Open, Spring Closed
 - Maximum Inside Diameter: 117mm (4.625in)
 - Holding Capacity: 18,143 kg (40,000 lbs.)

- Rod Holder:
 - Type: Hydraulic Open, Gas Spring Closed
 - Maximum Inside Diameter: 210mm (8.3in)
 - Holding Capacity: 13,000 kg (28,660 lbs.)

- Drill Base Supports:
 - Trailer Mounted Rig, Wheels
 - Support: 4 Hydraulic Jacks

- Standard Equipment:
 - Hydraulic P-Size Rod Holder
 - 4 Hydraulic Leveling Jacks
 - Towing Package
 - Fuel Tank: 200 Liters (53 Gal)
 - Fuel Filter & Water Separator
 - Hydraulic Mast Dump
 - Mast in Two Sections
 - Large Crown Sheave Wheel
 - Wear Lines on Lower Mast
 - Safety Guards
 - Hydraulic Oil Reservoir Fill Pump & Filtration
 - Hydraulic Mast Raise

- Overall Dimensions:
 - Length: 27.65ft (8,382mm)
 - Width: 10.5ft (3,200mm)
 - Height: 10.5ft (3,200mm)
 - Weight: 7,000 kg

- Location: Western USA

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