

[Atlas Copco CS10 Diamond Drill](#) [Inventory ID #1173673]



Atlas Copco CS10 Diamond Drill

- Make: Atlas Copco
- Model: Christensen CS 10
- Hours: 600 Hours
- Depth Capacity: Standard
 - B: 1,200m (3,936ft)
 - N: 800m (2,624ft)
 - H: 600m (1,968ft)
 - P: 400m (1,312ft)
- Rotation Unit:
 - Power, Hydraulic Motor: Variable Speed/Reversible
 - Final Drive: Gear Driven
 - Spindle (Inner Diameter): 124mm (4.88in)
 - Max Torque: 6,790 Nm (5,008 lbf)

- Max Speed: 1,300 RPM
- Spindle Data
 - Low Speed:
 - Ratio: 17.55:1
 - Speed: 80-200 RPM
 - Torque: 6,790-2,670 Nm
 - High Speed:
 - Ratio: 2.70:1
 - Speed: 510-1300 RPM
 - Torque: 1,070-420 Nm
- Chuck Assembly
 - Type: Hydraulic Open, Spring Close
 - Max Diameter: 124mm (4.88in)
 - Holding Capacity: 178 kN (40,000 lbf)
- Mast and Feed System:
 - Feed Travel: 1.83m (6ft)
 - Feed Speeds, With Variable Control: High and Low
 - Thrust: 59.6kN (13,390lbs)
 - Pull: 90kN (20,200lbs.)
 - Drilling Angle: 45°–90° Degrees
 - Rod Pull Length: 6m (20ft)
- Rod Holder:
 - Type: Hydraulic Open, Gas Spring Closed: BO to PO Rods/PW Casing
 - Max Diameter: 144mm (5.7in)
 - Clamping Capacity: 130kN (29,922lbs)
- Power Unit: Caterpillar 3054E, Tier II
 - Volume 4.4 Liters 4-Cyl (1.2g)
 - Power, Tier III: 80kW (108HP)
 - RPM: 2,000
 - Cooling System: Water
 - Electrical System: 24V
- Main Hoist:
 - Single Line Capacity, Bare Drum: 53.4kN (12,000lbs)

- Line Speed, Bare Drum: 51 m/min (167 ft/min)
- Cable Size: 27m x 16mm (89ft x 10/16in)

- Wireline Hoist:
 - Capacity: 2,000m of 4.76mm (6,561ft of 3/16in)
 - Line Pull:
 - Bare Drum: 13 kN (2,922 lbs.)
 - Full Drum: 4 kN (899 lbs.)
 - Line Speed:
 - Bare Drum: 130 m/min (427 ft/min)
 - Full Drum: 420 m/min (1,378 ft/min)

- Drill Base Supports:
 - Mount/Base System: Trailer Mounted Rig with Four Wheels (215/75R17.5) and Towing Package
 - Pad Diameter: Ø220mm (8.7in)
 - Leg Adjust Range: 550mm (21.7in)

- Trido
 - Model: Trido 140H
 - Flow: 140 l/min (37 gal/min)
 - Pressure: 70 bar (1,015 psi)

- Hydraulic System:
 - Primary Pump: 28 MPa, 242 l/min (4,061 psi, 64 gal/min)
 - Secondary Pump: 20 MPa, 122 l/min (2,901 psi, 32.2 gal/min)
 - Auxiliary Pump: 21.5 MPa, 47 l/min (3,118 psi, 12.4 gal/min)
 - Hydraulic Oil Cooling: Air

- Working Dimensions:
 - Length: 5,780mm (228in)
 - Mast @ 45°: 8,197mm (323in)
 - Width: 2,200mm (87in)
 - Height: 11,120mm (438in)
 - Mast @ 45°: 8,564mm (341in)
 - Weight: 5,500kg (12,130 lbs.)

- Transport Dimensions:
 - Length: 5,946mm (234in)

- Width: 2,200mm (87in)
- Height: 2,192mm (86in)
- Weight: 5,500kg (12,130 lbs.)

- Included:

- Cutter Head
- 500ft of 6in Steel
- 500ft of 8in Steel
- Extra Drill Bits

- Location: Southeast USA

View More [Diamond Core Drills](#)