
2008 Boart Longyear DB430 Rotary Drill [Inventory ID #1206373]



2008 Boart Longyear DB430 Rotary Drill

- Make: Boart Longyear
- Model: DB 430
- Type: Rotary Drill
- Hours: 220
- Compressor: None
- Engine: Deutz 4 Cylinder
- Mud Pump: Moyno 3L6 (New 2018, 16' Stroke, Mast is 20')
- Mounted On: Tracks
- Tools/Options: Rotary/Coring Head has been Upgraded to a LF540
- Deck Engine is a 140 HP, 4.7 Liter
- Wireline Winch & a Pullmaster Winch
- Hydraulic Rod Rack with 400' of 2-3/8" API Drill Rod
- Dual Rod Clamps
- Breakout Wrench

- Specifications:
 - Standard Drilling Systems
 - 4" - 6.5": 300m (985ft)

 - PRIME MOVER:
 - Standard Unit: DEUTZ BF4M1013EC Diesel Engine
 - Power (maximum): 104kW@ 2200 RPM (140HP @ 2200 RPM)
 - Tank Capacity: 230 L (60 Gallons)
 - Fuel Consumption: 195 Gal/kWh
 - Electrical Circuit: 24 Volt



- NOTE: The engine has sufficient power to run the rig up to 2500 meters above sea level at 25 °C

- ROTARY HEAD DB430 - TORQUE AND RPM RATINGS
 - Low Gear: 4,600/75 Nm/rpm (33,501/75 lb-ft/rpm)
 - High Gear: 2,300/150 Nm/rpm (1,675/150 lb-ft/rpm)
 - Bore - Inside Diameter: 52mm (2in)
 - Swivel - Inside Diameter: 24mm (1in)
 - Rotation Motors: Danfoss OMT 160
 - Top Drive Flange: 2 3/8 API Reg Box
 - Gear Ratio: 4.047:1
 - Distance from Drilling Line to Chain: 202mm (7.95in)

- HYDRAULIC SYSTEM
 - Pump: Variable Load-Sensing with Torque Control
 - Max Flow: 230 Lpm (60GPM)
 - Max Pressure: 280 bar (4,060 PSI)
 - Hydraulic Oil Volume: 160 L (42 Gal)
 - Oil Cooler Capacity: 16kW (21.4HP)

- DRILL MAST AND FEED SYSTEM
 - Feed Stroke: 4,000mm (13ft)
 - Feed Speed - Down: 3.9m/min (12.7ft/min)
 - Feed Pressure Control: +/- 350 N (+/- 78 lbf)
 - Fast Feed Speed
 - Up: 40m/min (130 ft/min)
 - Down: 66m/min (215 ft/min)
 - Pull Down Force: 35kN (7,715 lbf)
 - Pull Back Force: 70kN (15,400 lbf)

- MAIN WINCH (Mast Top)
 - Pull on Inner Layer(Maximum): 9kN (1,980 lbf)
 - Line Speed: 35m/min (115ft/min)
 - Cable Diameter: 8mm (5/16in)

- ROD CLAMPS
 - Maximum Diameter: 220mm (8.7in)
 - Clamping Sizes: 65 to 95mm sf (2.5in to 3.75in sf)
 - Maximum Holding Force: 10kN (22,500 lbf)
 - Break-Out-Cylinder

- Max Pull: 80kN (17,984 lbf)
 - Max Push: 115kN (25,853 lbf)
 - Break-Out-Tong
 - Min. Rod Size: 66.6mm (2 5/8in)
 - Max. Rod Size: 81.2mm (3 1/5in)
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- ROD RACK:
 - Capacity - 3" Rods: 60
 - Capacity - 3 1/2" Rods: 45

 - UNDERCARRIAGE:
 - Driving Speed:
 - Low Gear: 2.5 km/h (1.55 mph)
 - High Gear: 4.8 km/h (2.98 mph)
 - Maximum Grade Ability (Low Gear): 60% (~30° Deg)
 - Rubber Tracks: Standard
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- Location: Western USA

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