

# P-750/G2



## Caterpillar C-18 Tier III diesel engine

*\*Tier III or Tier 4i determined by country of purchase*

**Quintiplex pump with Rated Capacity of 750 US gallons (2,839 L) / minute**

**Stand-alone, self-powered and compatible with any drill brand**

### Performance Specifications

| Power Train  | Pump   |
|--|--|
| Engine: Caterpillar© C-18 Tier III Diesel                | Pump Design: Quintiplex, piston and liner  |
| Rating: 600 HP (447 kW)                                  | Rated Capacity: 750 U.S.Gallons (2,839 L)/min.   |
| Max. Speed 1800 RPM                                      | Bore x Stroke: 5.5 x 7.87 in (139.7 x 200 mm)  |
| Fuel Capacity: 300 Gallon (1,136 L)                      | Max. Pressure: 1,500 psi (103 bar)   |
| Transmission: Eaton-RTLO-22918B, 10 Speed                | Note: Pump Capacity will Vary Depending on the Overall Mud Weight, Drilling Fluid Mixture/Content, and the Working Elevation |
| Clutch: 15 1/2 in. (394 mm) Twin Disk                    |  |
| Battery: (2) Deka 908DMF,12V,1450 CCA                    |  |
| Controls   | Accessories  |
| Remote Controls: Mud Pump Throttle, Mud Pump Start/Stop, | <ul style="list-style-type: none"><li>• Pulsation Dampener on inlet and discharge</li></ul>                                  |

|   |   |
|---|---|
| <p>Clutch Actuator, Horn remote</p> <p>Remote Instruments: Digital Mud Flow Meter (gallons/liters per minute)</p> <p style="text-align: center;"><b>Dimensions/Weight</b></p> <ul style="list-style-type: none"> <li>• Length: 25 ft. 6 in. (7.8 m)</li> <li>• Width: 8 ft. (2.49 m)</li> <li>• Height: 10 ft. (3.12 m)</li> </ul> <p>Estimated Weight: 39,000 lbs. (17,690 kg)</p> | <ul style="list-style-type: none"> <li>• (2) 25 ft. (7.6 m) Suction Hoses with 6 in. (152 mm) Kamlok Fittings</li> <li>• 4 in. (102 mm) NPT Hammer Union Discharge Connection</li> <li>• Liner Wash System w/Supply Tank</li> <li>• 24 V, Dual Work Lights</li> </ul> |
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**Mud Motor Specifications**

Mud motors offer the proven way to get acceptable penetration rates when drilling in hard formations and rock. The mud pump has to supply the mud motor, but also has to flush the cuttings to the surface for disposal. The table below shows typical flow rates for popular size mud motors. Be sure to allow enough extra mud flow to flood the bore. American Augers mud pumps can be used with any brand or size of directional drill

| Mud Motor Size (Inch)       | 3-3/8         | 3-1/2         | 4-3/4         | 6-3/4         | 8             |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| Mud Motor Size (Millimeter) | 85.72         | 88.9          | 120.6         | 171.4         | 203.2         |
| Flow Rate (GPM)             | 30-120        | 75-160        | 100-250       | 300-600       | 400 - 900     |
| Flow Rate (LPM)             | 113.6 - 454.2 | 283.9 - 605.7 | 378.5 - 946.4 | 1,136 - 2,271 | 1,514 - 3,407 |