



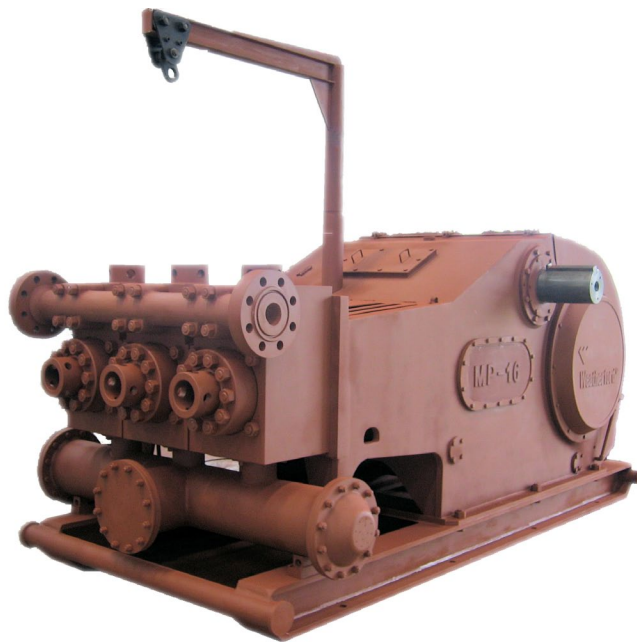
## *MP-Series Mud Pump*

### *Model MP16*

Weatherford's MP-series Model MP16 pump delivers outstanding value for land-based drilling applications in the 1,600-HP, continuous-duty-rated segment. MP-series mud pumps are based on pump designs proven in countless rigs to ensure durability and easy access to service parts around the world.

### *Features*

- Fabricated steel power-frame construction
- Full roller-bearing construction
- Double-helical gear sets
- Pressurized lubrication system with internally mounted lube pump
- Valve-over-valve, fluid-end modules, rated at 5,000 psi (34.5 MPa)
- 12-month limited warranty





## MP-Series Mud Pump

### Model MP16

## Specifications

### Performance Ratings

MP16		Pump speed (spm)	120	115	110	100	90	80
		Input power (HP/kW)*	1,568 1,169	1,502 1,121	1,437 1,072	1,306 975	1,176 877	1,045 780
Piston size (in.)	Rated pressure (psi/MPa)	Displacement (gal/rev)	Output (gal/min, bbl/min)					
7.00	3,360 23.2	5.998	720 17.1	690 16.4	660 15.7	600 14.3	540 12.9	480 11.4
6.50	3,900 26.9	5.171	621 14.8	595 14.2	569 13.5	517 12.3	465 11.1	414 9.9
6.00	4,575 31.5	4.406	529 12.6	507 12.1	485 11.5	441 10.5	397 9.4	353 8.4
5.75	4,980 34.3	4.047	486 11.6	465 11.1	445 10.6	405 9.6	364 8.7	324 7.7
5.50	5,000 34.5	3.703	444 10.6	426 10.1	407 9.7	370 8.8	333 7.9	296 7.1
5.25	5,000 34.5	3.374	405 9.6	388 9.2	371 8.8	337 8.0	304 7.2	270 6.4

\* Input power required assumes 90% mechanical efficiency.

### Specifications

Rated power (HP/kW)	1,600 1,193.6
Maximum pump speed (spm)	120
Stroke length (in./mm)	12 304.8
Maximum piston size (in./mm)	7 177.8
Maximum rated pressure (psi/MPa)	5,000 34.5
Fluid-end style	FB1600
Valve size	API-7
Suction connections	12-in. flanged (3)
Discharge connections	5 1/8-in. API-5000 (2)
Internal gear ratio	4.131:1
Crankcase oil capacity (gal/L)	100 378.5
Input shaft diameter (in./mm)	8.5 215.9
Dry weight (lb/kg)	55,000 24,970

## Additional Support

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[rigmanufacturing.com/drillingequipment](http://rigmanufacturing.com/drillingequipment)

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