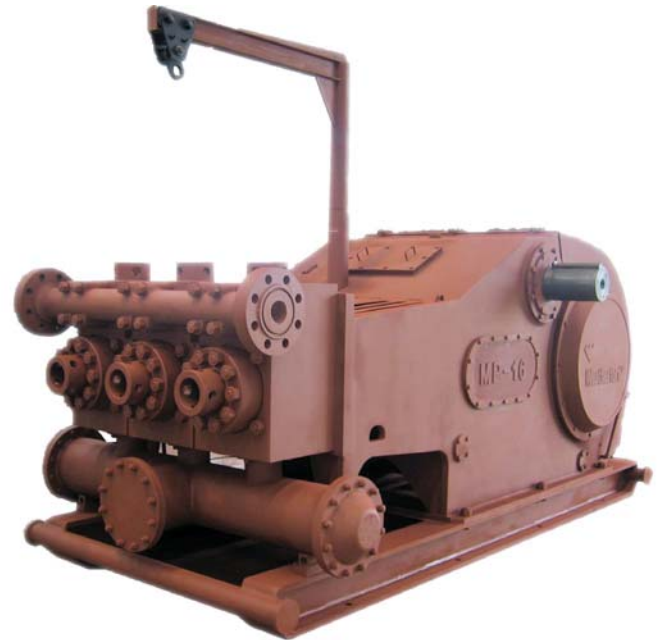


## MP16 (1600 HP) Triplex Pump

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

### Pump Specifications

Rated power (HP, kW)	1,600	1,194
Maximum pump speed (spm)	120	
Stroke length (in., mm)	12.00	304.8
Maximum piston size (in., mm)	7.00	177.8
Maximum rated pressure (psi, MPa)	5,000	34.5
Fluid-end style	FB1600	
Valve style	API-7	
Suction connections	12" flanged (3)	
Discharge connections	5 1/8" API-5000 (2)	
Internal gear ratio	4.131:1	
Crankcase oil capacity (gal, l)	100	378.5
Input shaft diameter (in., mm)	8.50	215.9
Dry weight (lb, kg)	55,000	24,970



### 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

## MP16 (1600 HP) Triplex Pump

### Performance Ratings

Model MP16 (standard)		Input power (hp)	Output (GPM)					
Piston size (in.)	Rated pressure (psi)	Gallons per revolution	120 spm 1,568 hp	115 spm 1,502 hp	110 spm 1,437 hp	100 spm 1,306 hp	90 spm 1,176 hp	80 spm 1,045 hp
7.000	3,360	5.998	720	690	660	600	540	480
6.500	3,900	5.171	621	595	569	517	465	414
6.000	4,575	4.406	529	507	485	441	397	353
5.750	4,980	4.047	486	465	445	405	364	324
5.500	5,000	3.703	444	426	407	370	333	296
5.250	5,000	3.374	405	388	371	337	304	270

Model MP16 (metric)		Input power (kW)	Output (m <sup>3</sup> /hr)					
Piston size (in.)	Rated pressure (MPa)	Litres per revolution	120 spm 1,169 kW	115 spm 1,121 kW	110 spm 1,072 kW	100 spm 975 kW	90 spm 877 kW	80 spm 780 kW
7.000	23.2	22.705	163.5	156.7	149.9	136.3	122.6	109.0
6.500	26.9	19.574	141.0	135.1	129.2	117.4	105.6	94.0
6.000	31.5	16.678	120.1	115.2	110.2	100.2	90.2	80.2
5.750	34.3	15.320	110.4	105.6	101.1	92.0	82.7	73.6
5.500	34.5	14.017	100.8	96.8	92.4	84.0	75.6	67.2
5.250	34.5	12.772	92.0	88.1	84.3	76.5	69.0	61.3

\* Input power required assumes 90% mechanical efficiency.