

MP13 (1300 HP) Triplex Pump

Weatherford's MP-series Model MP13 pump delivers outstanding value for land-based pumping in the 1,300-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)	1,300	970
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

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Performance Ratings

Model MP13 (standard)		Input power (hp)	Output (GPM)					
Piston size (in.)	Rated pressure (psi)	Gallons per revolution	120 spm 1,283 hp	115 spm 1,230 hp	110 spm 1,176 hp	100 spm 1,069 hp	90 spm 962 hp	80 spm 855 hp
7.000	2,750	5.998	720	690	660	600	540	480
6.500	3,200	5.171	621	595	569	517	465	414
6.000	3,750	4.406	529	507	485	441	397	353
5.500	4,450	3.703	444	426	407	370	333	296
5.250	4,900	3.374	405	388	371	337	304	270
5.000	5,000	3.060	367	352	337	306	275	245

Model MP13 (metric)		Input power (kW)	Output (m ³ /hr)					
Piston size (in.)	Rated pressure (MPa)	Litres per revolution	120 spm 957 kW	115 spm 917 kW	110 spm 877 kW	100 spm 798 kW	90 spm 718 kW	80 spm 638 kW
7.000	19.0	22.705	163.5	156.7	149.9	136.3	122.6	109.0
6.500	22.1	19.574	141.0	135.1	129.2	117.4	105.6	94.0
6.000	25.9	16.678	120.1	115.2	110.2	100.2	90.2	80.2
5.500	30.7	14.017	100.8	96.8	92.4	84.0	75.6	67.2
5.250	33.8	12.772	92.0	88.1	84.3	76.5	69.0	61.3
5.000	34.5	11.583	83.4	79.9	76.5	69.5	62.5	55.6

* Input power required assumes 90% mechanical efficiency.