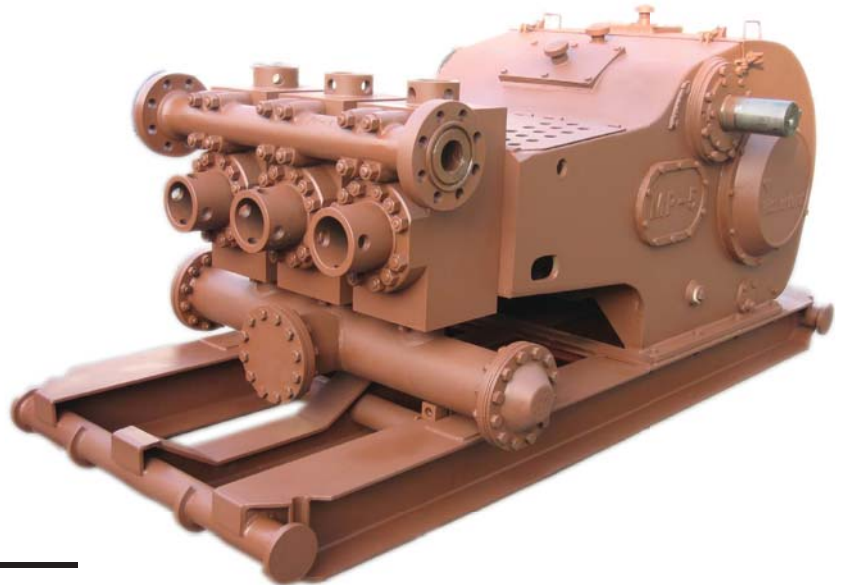


MP5 (500 HP) Triplex Pump

Weatherford's MP-series Model MP5 pump delivers outstanding value for land-based pumping in the 500-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)	500	373
Maximum pump speed (spm)	165	
Stroke length (in., mm)	7.5	190.5
Maximum piston size (in., mm)	6.5	165.1
Maximum rated pressure (psi, MPa)	3,800	26.2
Fluid-end style	F500	
Valve style	API-5	
Suction connections	8" flanged (3)	
Discharge connections	4" API-5000 (2)	
Internal gear ratio	4.24:1	
Crankcase oil capacity (gal, l)	65	246.0
Input shaft diameter (in., mm)	5.5	139.7
Dry weight (lb, kg)	21,750	9,874.5

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 3,800 psi (26.2 MPa)
- 12-month limited warranty

MP5 (500 HP) Triplex Pump

Performance Ratings

Model MP5 (standard)		Input power (hp)	Output (GPM)					
Piston Size (in.)	Rated pressure (psi)	Gallons Per Revolution	165 spm 493 hp	150 spm 448 hp	140 spm 418 hp	130 spm 388 hp	120 spm 358 hp	110 spm 328 hp
6.500	1,425	3.232	533	485	452	420	388	356
6.000	1,675	2.754	454	413	386	358	330	303
5.500	2,000	2.314	382	347	324	301	278	255
5.000	2,425	1.912	316	287	268	249	229	210
4.500	3,000	1.549	256	232	217	201	186	170
4.000	3,800	1.224	202	184	171	159	147	135

Model MP5 (metric)		Input power (kW)	Output (m ³ /hr)					
Piston Size (in.)	Rated pressure (MPa)	Litres Per Revolution	165 spm 368 kW	150 spm 334 kW	140 spm 312 kW	130 spm 290 kW	120 spm 267 kW	110 spm 245 kW
6.500	9.8	12.234	121.1	110.2	102.7	95.4	88.1	80.9
6.000	11.5	10.425	103.1	93.8	87.7	81.3	75.0	68.8
5.500	13.8	8.759	86.8	78.8	73.6	68.4	63.1	57.9
5.000	16.7	7.238	71.8	65.2	60.9	56.6	52.0	47.7
4.500	20.7	5.864	58.1	52.7	49.3	45.7	42.2	38.6
4.000	26.2	4.633	45.9	41.8	38.8	36.1	33.4	30.7

* Input power required assumes 90% mechanical efficiency.