

MX-Series MX5 Mud Pump

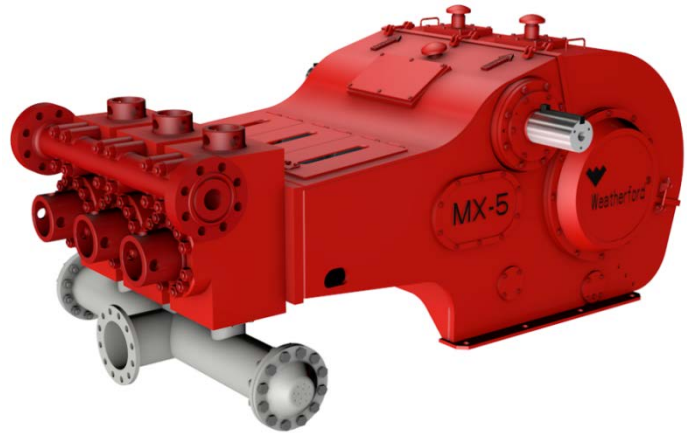
Delivers outstanding performance and value for 500-HP continuous and 650-HP intermitting duty drilling applications.

Features

- Fabricated steel power-frame construction
- Full roller-bearing construction
- Double-helical gear sets
- Pressurized lubrication system with internally mounted lube pump and heat exchanger
- Valve-over-valve, fluid-end modules
- 12-month limited warranty

Specifications

Rated power, HP (kW)	650 (483)
Maximum pump speed, spm	220
Stroke length, in. (mm)	7.5 (190.5)
Maximum piston size, in. (mm)	6.75 (171.5)
Maximum rated pressure, psi (MPa)	3,800 (26.2)
Fluid-end style	F500
Valve size	API-5
Suction connections	8-in. flanged (3)
Discharge connections	4-in. 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)



Performance Ratings

MX5		Pump speed, spm	220	200	175	150	125	100
		Input power, HP (kW)*	646 (482)	587 (482)	514 (482)	440 (482)	367 (482)	294 (482)
Piston size, in.	Rated pressure, psi (MPa)	Displacement, gal/rev	Output, gal/min (bbl/min)					
6.75	1,300 (8.9)	3.486 (13.20)	767 (18.3)	697 (16.6)	610 (14.5)	523 (12.5)	436 (10.4)	349 (8.3)
6.50	1,400 (9.6)	3.232 (12.24)	711 (16.9)	646 (15.4)	566 (13.5)	485 (11.6)	404 (9.6)	323 (7.7)
6.00	1,700 (11.7)	2.754 (10.43)	606 (14.4)	551 (13.1)	482 (11.5)	413 (9.8)	344 (8.2)	275 (6.6)
5.50	2,000 (13.8)	2.314 (8.76)	509 (12.1)	463 (11.0)	405 (9.6)	347 (8.3)	289 (6.9)	231 (5.5)
5.00	2,400 (16.5)	1.912 (7.24)	421 (10.0)	382 (9.1)	335 (8.0)	287 (6.8)	239 (5.7)	191 (4.6)
4.50	3,000 (20.6)	1.549 (5.87)	341 (8.1)	310 (7.4)	271 (6.5)	232 (5.5)	194 (4.6)	155 (3.7)
4.00	3,800 (26.1)	1.224 (4.63)	269 (6.4)	245 (5.8)	214 (5.1)	184 (4.4)	153 (3.6)	122 (2.9)

*Input power required assumes 90% mechanical efficiency.

Additional Support

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