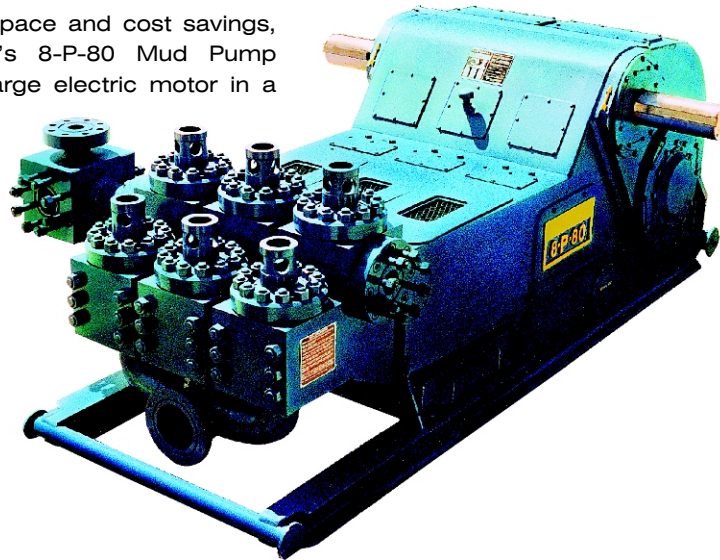


8-P-80 Mud Pump

National Oilwell Varco's 8-P-80 Mud Pump features high strength and light weight for easy portability. It is rated at 800 input horsepower (597 kw) at 160 strokes per minute, with an 8½-inch (215.9 cm) stroke.

For additional weight, space and cost savings, National Oilwell Varco's 8-P-80 Mud Pump permits the use of a large electric motor in a single-drive package.



8-P-80 Mud Pump

Dimensions and Specifications

Height, floor to center of front inlet suction, inches (mm)	10¾ (273)	Maximum fluid cylinder line bore*, inches (mm)	6¼ (158.8)
Height, floor to center of discharge, inches (mm)	35¼ (895)	Stroke, inches (mm)	8½ (215.9)
Overall length over skids, inches (mm)	161⅝ (4105)	Hydrostatic test pressure of standard fluid cylinders, psi (kg/cm2)	10,000 (703)
Width over frame, inches (mm)	62⅝ (1589)	Ratio of gears	2.463
Width over pinion shaft, inches (mm)	93⅞ (2384)	Suction connection, ASA-150 lb. R.J. Flange (inches)	8
Height, floor to top of gear case, inches (mm)	60 (1524)	Discharge connection, cross w/API-5000 lb. R.J. Flange (inches)	4
Height over fluid cylinders, inches (mm)	51⅞ (1318)	Valve pot, API number	MOD. 6
Max. input, horsepower (kW)	800 (597)	Weight-complete, less sheave, lbs. (kg)	26,970 (12,235)
Rated pump speed, spm	160		

Performance

Liner size, inches (mm)	6¼ (158.8)	6 (152.4)	5½ (139.7)	5 (127.0)	4½ (114.3)	4 (101.6)		
Max. Discharge Pressure, psi (kg/cm2)	2280 (160.3)	2470 (173.7)	2940 (206.7)	3560 (250.3)	4395 (309)	5000 (351.5)		
Pump Speed	Max. Input	Hydraulic*						
spm	HP	HP	GPM* (LPM*)	GPM (LPM)	GPM (LPM)	GPM (LPM)		
160†	800†	720	542 (2051)	500 (1890)	420 (1588)	347 (1313)	281 (1063)	
140	700	630	474 (1795)	437 (1654)	367 (1390)	303 (1149)	246 (930)	
120	600	540	406 (1538)	375 (1418)	315 (1191)	260 (984)	211 (797)	
100	500	450	339 (1282)	312 (1182)	262 (993)	217 (820)	176 (665)	
80	400	360	271 (1026)	250 (945)	210 (794)	173 (656)	140 (532)	
	Vol./stroke, gal. (liters)		3.386 (12.820)	3.121 (11.815)	2.622 (9.927)	2.167 (8.204)	1.755 (6.645)	1.387 (5.250)

* Based on 90% mechanical efficiency and 100% volumetric efficiency

† Rated speed and input horsepower

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 **NATIONAL OILWELL VARCO**

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PFO10000784 Rev. 02