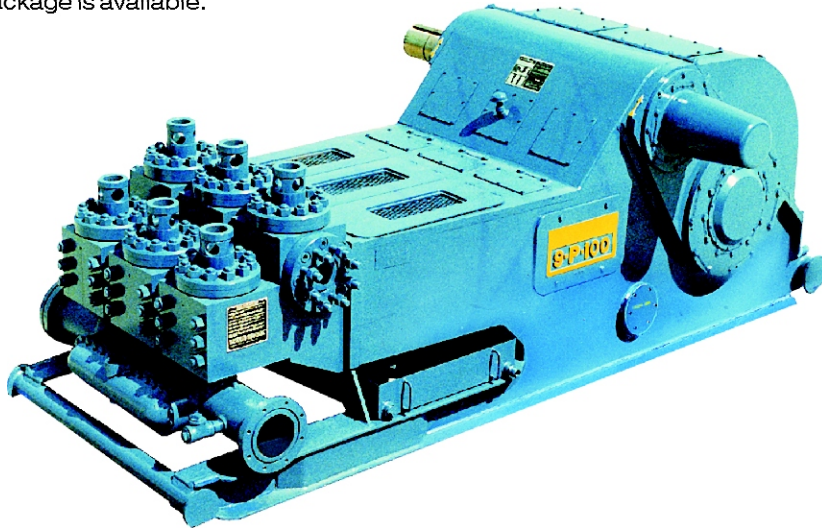


# 9-P-100 Mud Pump

National Oilwell Varco's 9-P-100 Mud Pump is rated at 1000 input horsepower (746 kw) at 150 strokes per minute, with an 9¼-inch (235 mm) stroke.

Multiple liner sizes match a wide variety of pressures and volumes. An electric motor or diesel engine drive package is available.



**9-P-100 Mud Pump**

## Dimensions and Specifications

Height, floor to center of front inlet suction, inches (mm)	13¼ (337)	Maximum fluid cylinder line bore*, inches (mm)	6¼ (171.5)
Height, floor to center of discharge, inches (mm)	38¼ (972)	Stroke, inches (mm)	9¼ (235)
Overall length over skids, inches (mm)	176¼ (4477)	Hydrostatic test pressure of standard fluid cylinders, psi (kg/cm <sup>2</sup> )	10,000 (703)
Width over frame, inches (mm)	67½ (1705)	Ratio of gears	2.658
Width over pinion shaft, inches (mm)	101¼ (2572)	Suction connection, ASA-150 lb. R.J. Flange (inches)	8
Height, floor to top of gear case, inches (mm)	64 (1626)	Discharge connection, cross w/API-5000 lb. R.J. Flange (inches)	5
Height over fluid cylinders, inches (mm)	54⅞ (1394)	Valve pot, API number	MOD. 6
Max. input, horsepower (kW)	1000 (746)	Weight-complete, less sheave, lbs. (kg)	33,200 (15,060)
Rated pump speed, spm	150		

## Performance

Liner size, inches (mm)	6¼ (171.5)	6½ (165.1)	6¾ (158.8)	6 (152.4)	5½ (139.7)	5 (127)	4½ (114.3)	4 (101.6)			
Max. Discharge Pressure, psi (kg/cm <sup>2</sup> )	2395 (168.4)	2580 (181.4)	2790 (196.2)	3030 (213.0)	3605 (253.5)	4360 (306.5)	5000 (351.5)	5000 (351.5)			
Pump Speed	Max. Input	Hydraulic*									
spm	HP	HP	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)		
150†	1000†	900	645 (2441)	598 (2263)	553 (2093)	509 (1929)	428 (1620)	354 (1339)	287 (1085)	226 (855)	
130	867	780	559 (2115)	518 (1962)	479 (1814)	442 (1671)	371 (1404)	307 (1161)	248 (940)	196 (742)	
110	733	660	473 (1790)	438 (1660)	405 (1535)	374 (1414)	314 (1188)	259 (982)	210 (796)	166 (628)	
90	600	540	387 (1464)	359 (1358)	332 (1256)	306 (1157)	257 (972)	212 (804)	172 (651)	136 (515)	
70	467	420	301 (1139)	279 (1056)	258 (977)	238 (900)	200 (756)	165 (625)	132 (506)	106 (401)	
			Vol./stroke, gal. (Liters)	4.298 (16.272)	3.986 (15.089)	3.685 (13.951)	3.396 (12.857)	2.854 (10.803)	2.358 (8.928)	1.910 (7.232)	1.510 (5.716)

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

† Rated speed and input horsepower

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