

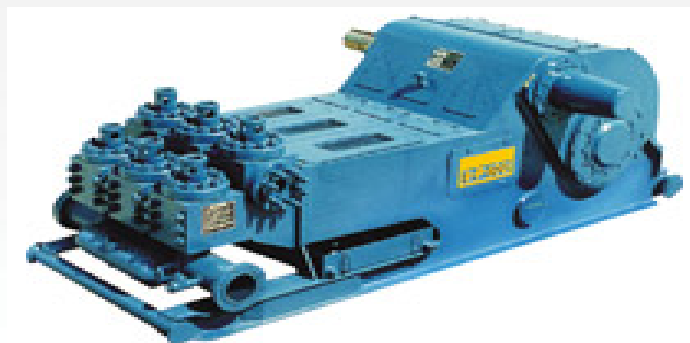


FD-800 Triplex Mud Pump

National Oilwell Varco's FD-800 Mud Pump is rated at 800 input horsepower (597 kW) at 150 strokes per minute, with a 9-inch (229 mm) stroke.

Multiple liner sizes allow pressures and volumes to handle circulation requirements in deep drilling applications.

Specifications	
General Specifications	
Nominal Horse power Rating, HP (kW) @ 150 SPM	800 (597)
Size Maximum Liner by Stroke, in (mm)	6 3/4" x 9" (171 x 229)
Gear Type	Herringbone
Gear Ratio	4.31:1
Suction Manifold Fem. Thd.	10
Discharge Outlet, in (mm)	5" (127) 5000 API Flange
Rated Pumps Speed, spm	150
Dimensions and Weight	
Overall Length, ft (mm)	13' (3,962)
Overall Width Including Shaft Ext., ft (mm)	6' 9" (2,057)
Overall Height (Less P.D), ft (mm)	5' 5 1/4" (1,657)
Skid Width, ft (mm)	5' 1 3/4" (1,568)
Pinion Shaft Dia., in (mm)	7 (178)
Extension Length, in (mm)	12 7/16" (316)
Keyway, in (mm)	1 3/4" x 7/8" (44 x 22)
Approx. Weight, lbs (kg)	27,659 (12,546)



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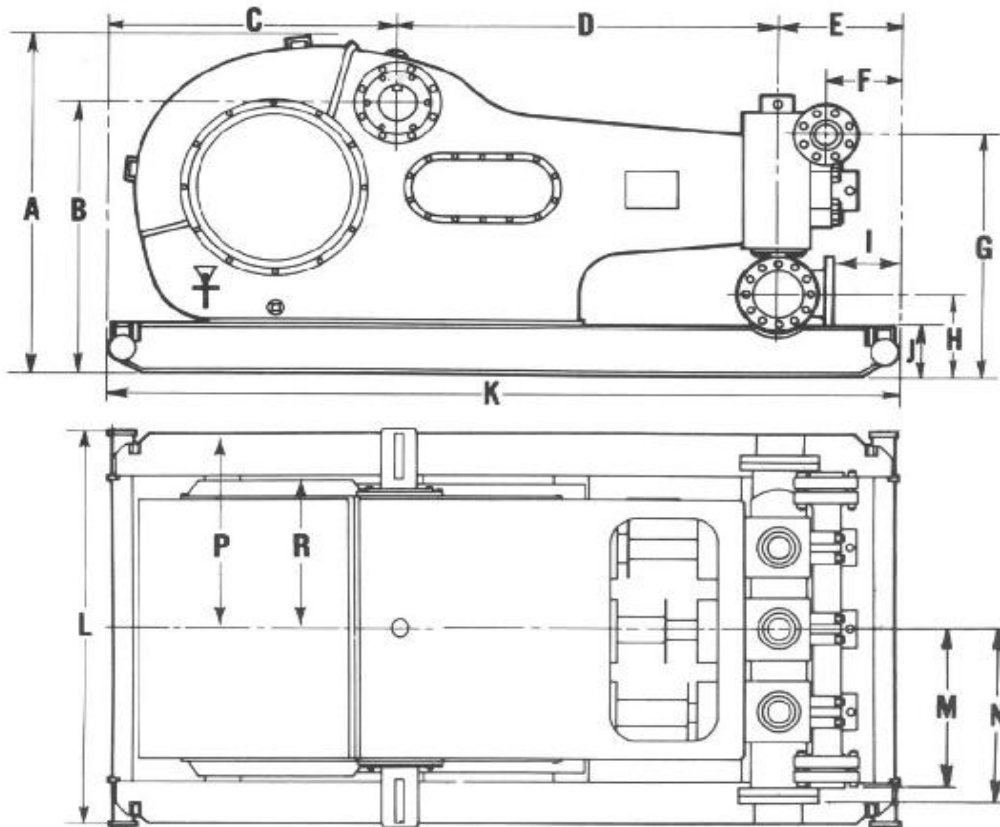
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Performance Data										
Liner size, inches (mm)	6-3/4" (171)	6-1/2" (165)	6-1/4" (159)	6" (152)	5-3/4" (146)	5-1/2" (140)	5-1/4" (133)	5" (127)	4" (102)	
Max. Discharge Pressure, psi (kg/cm ²)	1968 (138)	2120 (149)	2295 (161)	2490 (175)	2715 (191)	2965 (208)	3260 (229)	3590 (252)	5000 (352)	
Pump Speed, spm	Input HP, HP (kW)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)	GPM** (LPM**)
150*	800* (597*)	627 (2373)	582 (2203)	538 (2036)	496 (1877)	455 (1722)	416 (1575)	379 (1435)	344 (1302)	221 (836)
140	747 (557)	585 (2214)	543 (2055)	502 (1900)	463 (1752)	425 (1609)	389 (1472)	354 (1340)	321 (1215)	206 (780)
130	693 (517)	543 (2055)	504 (1908)	466 (1764)	429 (1624)	395 (1495)	361 (1366)	328 (1241)	298 (1094)	191 (723)
120	640 (477)	502 (1900)	466 (1764)	431 (1631)	397 (1503)	364 (1378)	333 (1260)	303 (1147)	275 (1041)	176 (666)
110	587 (438)	459 (1737)	427 (1616)	394 (1491)	363 (1374)	334 (1264)	305 (1154)	278 (1052)	252 (954)	162 (613)
80	427 (318)	335 (1266)	310 (1173)	287 (1086)	264 (999)	243 (920)	222 (840)	202 (765)	183 (693)	118 (448)
Volume/Stroke, gal. (Liters)	4.18 (15.8)	3.88 (14.7)	3.59 (13.6)	3.30 (12.5)	3.04 (11.5)	2.78 (10.5)	2.53 (9.6)	2.29 (8.7)	1.47 (5.6)	

*Rated maximum input horsepower and speed

**Based on 90% Mechanical and 100% Volumetric Efficiency



Dimension, ft in (mm)

A	5' 5 1/4" (1,657)
B	--
C	4' 6" (1,372)
D	5' 4 1/2" (1,638)
E	3' 1 1/2" (953)
F	2' 2 3/4" (679)
G	3' 11 1/8" (1,197)
H	1' 3 5/8" (397)
J	--
K	13' (3,662)
L	5' 1 3/4" (1,538)
M	--
N	2' 10 3/16" (868)
O	7' 1/4"
P	2' 10 13/16" (884)

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