

ROTATING RIGHT

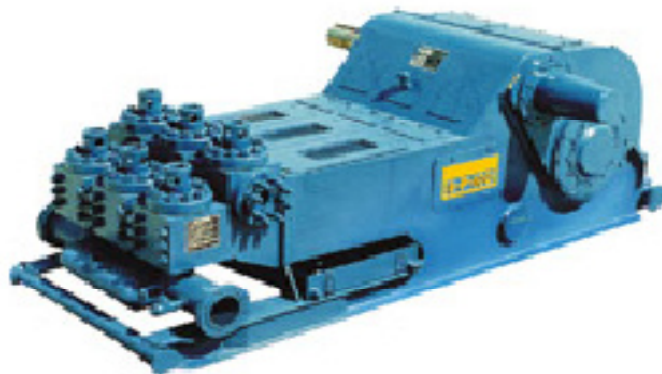
MODEL FD-1000 TRIPLEX MUD PUMP



National Oilwell Varco's FD-1000 Mud Pump is rated at 1000 input horsepower (746 kW) at 140 strokes per minute, with a 10-inch (254 mm) stroke.

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

Specifications	
General	
Nominal Horse power Rating, HP (kW) @ 140 SPM	1,000 (746)
Size Maximum Liner by Stroke, in (mm)	6 3/4" x 10" (171 x 254)
Gear Type	Herringbone
Gear Ratio	4.32:1
Suction Manifold Fem. Thd.	12
Discharge Outlet, in (mm)	5" (127) 5000 API Flange
Rated Pump Speed, spm	140
Dimensions and Weight	
Overall Length, ft (mm)	13' 6" (4,115)
Overall Width Including Shaft Ext., ft (mm)	7' 5" (2,261)
Overall Height (Less P.D), ft (mm)	5' 11 1/8" (1,807)
Skid Width, ft (mm)	8' 0" (2,438)
Pinion Shaft Dia., in (mm)	7 3/4" (197)
Extension Length, in (mm)	13 1/4" (337)
Keyway, in (mm)	2" x 1" (51 x 25.4)
Approx. Weight, lbs (kg)	38,070 (17,268)

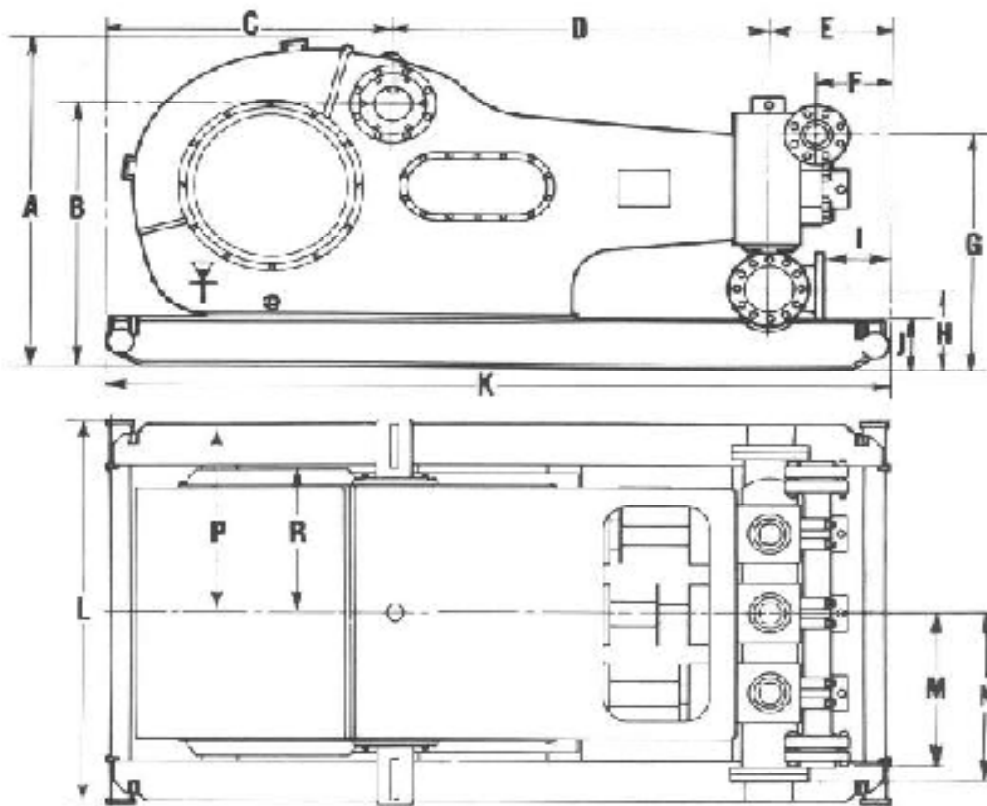


Performance Data

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)	4-1/2" (114)	
Max. Discharge Pressure, psi (kg/cm ²)	2370 (167)	2558 (180)	2770 (195)	3010 (212)	3270 (230)	3575 (251)	3920 (276)	4330 (304)	5000 (375)	
Pump Speed spm	1000* (746*)	651 (2464)	603 (2282)	558 (2112)	514 (1945)	472 (1787)	432 (1635)	394 (1491)	357 (1351)	289 (855)
130	929 (693)	604 (2286)	560 (2120)	518 (1961)	477 (1805)	438 (1658)	402 (1522)	365 (1382)	331 (1253)	268 (742)
120	857 (639)	558 (2112)	517 (1957)	478 (1809)	440 (1665)	404 (1529)	371 (1404)	337 (1276)	306 (1158)	248 (628)
110	786 (586)	511 (1934)	474 (1794)	438 (1658)	404 (1529)	371 (1404)	339 (1283)	309 (1170)	280 (1060)	227 (515)
100	714 (533)	465 (1760)	431 (1631)	398 (1506)	367 (1389)	337 (1276)	309 (1170)	281 (1064)	255 (965)	207 (401)
Volume/Stroke, gal. (Liters)	4.65 (17.6)	4.31 (16.3)	3.98 (15)	3.67 (13.9)	3.37 (12.9)	3.09 (11.7)	2.81 (10.6)	2.55 (9.6)	2.07 (7.8)	

* Rated maximum input horsepower and speed

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



Dimension, ft. in. (mm)	
A	5' 11" (1,803)
B	4' 9 1/4" (1,454)
C	5' 1 1/4" (1,556)
D	6' 1 1/2" (1,867)
E	2' 1 1/4" (641)
F	1' 2 1/2" (368)
G	4' 5 1/2" (1,359)
H	1' 6 3/4" (476)
J	1' 0" (311)
K	14' 0" (4,267)
L	7' 10" (2,388)
M	9' 0" (2,438)
N	3' 10" (1,168)
O	7' 6 1/2" (2,299)
p	3' 8 1/2" (1,130)



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