



## Product Data Sheet

10-P-130

Triplex Mud Pump

REFERENCE 10-P-130	REFERENCE DESCRIPTION Triplex Mud Pump
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## **REVISION HISTORY**

Rev	Date (dd.mm.yyyy)	Reason for issue	Prepared	Checked	Approved
03	15.09.2016	For Information	BTS	BSY	WBB
02	30.06.2005	Updated Logo	PG		
01	30.06.2005	Issued for implementation	PG		

## **CHANGE DESCRIPTION**

Revision	Change Description
01	First issue
02	Updated logo
03	Page 4: removed 4" & 4-1/2" liner information from table

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## 1 PERFORMANCE DATA

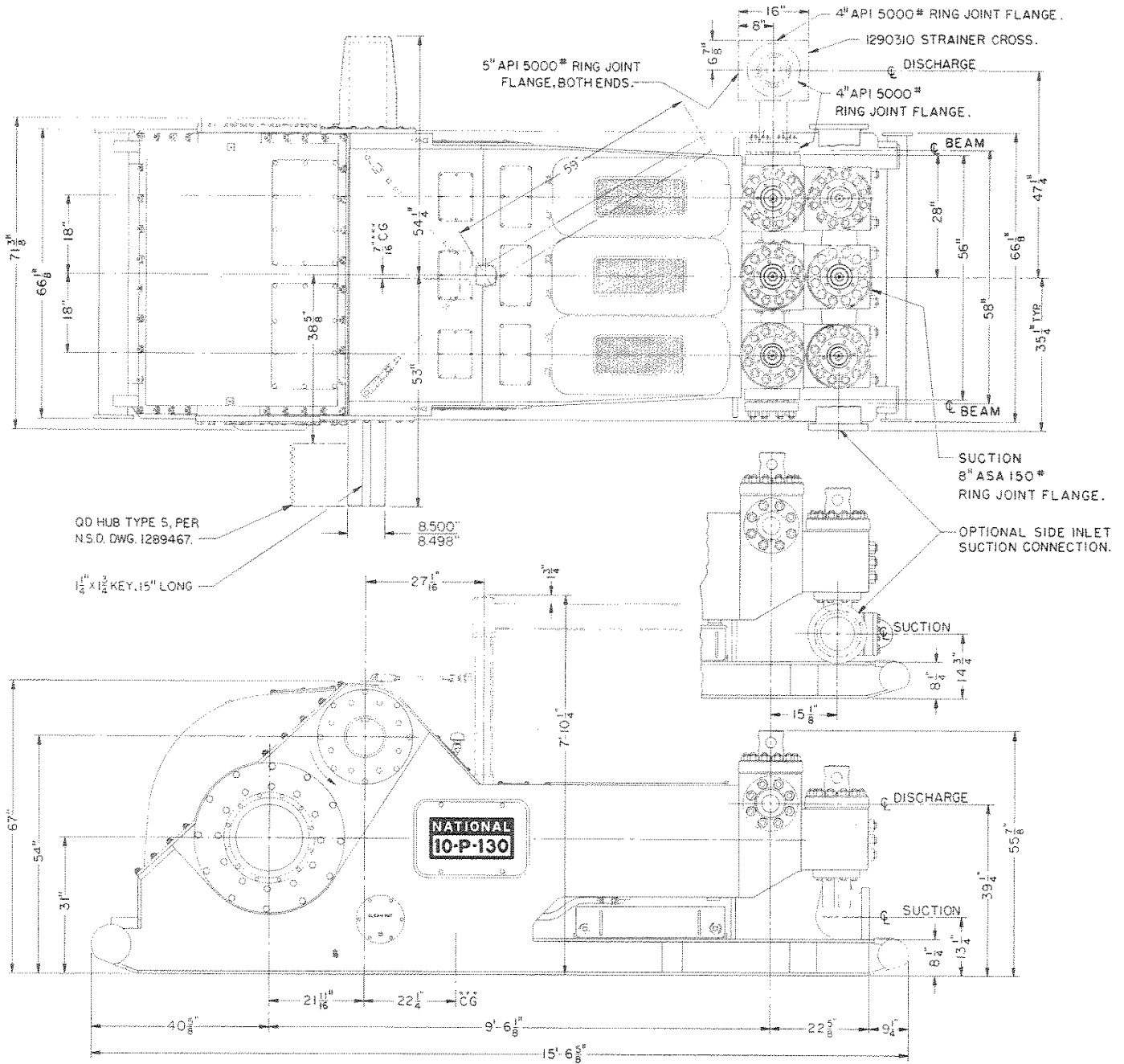
Liner size, inches (mm)**			6 ¾ (171.5)	6 ½ (165.1)	6 ¼ (158.8)	6 (152.4)	5 ½ (139.7)	5 (127.0)
Max. Discharge Pressure, psi (kg/cm <sup>2</sup> )			3085 (216.9)	3325 (233.8)	3595 (252.8)	3900 (274.2)	4645 (326.6)	5000 (351.5)
Speed spm	Input HP	Hyd.* HP	GPM* (LPM*)	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)	GPM (LPM)
140†	1300†	1170	651 (2463)	603 (2284)	558 (2111)	514 (1946)	432 (1635)	357 (1351)
120	1114	1003	558 (2111)	517 (1958)	478 (1810)	441 (1668)	370 (1401)	306 (1158)
100	929	836	465 (1759)	431 (1631)	398 (1508)	367 (1390)	309 (1168)	255 (965)
80	743	669	372 (1407)	345 (1305)	319 (1207)	294 (1112)	247 (934)	204 (772)
60	557	501	279 (1056)	259 (979)	239 (905)	220 (834)	185 (701)	153 (579)
Volume/Stroke, gal. (Liters)			4.647 (17.592)	4.309 (16.313)	3.984 (15.082)	3.671 (13.9)	3.085 (11.679)	2.549 (9.652)

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

\*\* 6 ¾" (171.5 mm) and 6 ½" (165.1 mm) size available in regular liners

† Rated maximum input horsepower and speed

## 2 TECHNICAL SPECIFICATION



1.	<b>Dimensions</b>	
2.	Height, floor to center of front inlet suction, inches (mm)	13 ¼ (337)
3.	Height, floor to center of discharge, inches (mm)	39 ¼ (997)
4.	Overall length over skids, inches (mm)	186 ⅝ (4740)
5.	Width over frame, inches (mm)	71 ⅜ (1813)
6.	Width over pinion shaft, inches (mm)	107 ¼ (2724)
7.	Height, floor to top of gear case, inches (mm)	67 (1702)
8.	Height over fluid cylinders, inches (mm)	55 ⅞ (1419)
9.	Weight-complete, less sheave, lbs. (kg)	42,550 (19,300)
10.	<b>Fluid Connections</b>	
11.	Suction connection	8" ASA-150 lb. R.J. flange
12.	Discharge connection, cross	5" API-5000 lb. R.J. flange
13.	<b>Capacity Data</b>	
14.	Maximum liner bore, inches (mm)	6 ¾ (171.5)
15.	Stroke, inches (mm)	10 (254)
16.	Maximum input horsepower (kW)	1300 (969)
17.	Rated pump speed, spm	140
18.	Pinion Speed	399
19.	Hydrostatic test pressure of fluid cylinders, psi (kg/cm <sup>2</sup> )	10,000 (703)
20.	<b>Mechanical Data</b>	
21.	Fluid cylinder	Steel, 2 piece interchangeable modular design
22.	Valves, API number	MOD. 6
23.	Valve seats	Bottom shouldering, modified for high pressure
24.	Piston rod-piston connection	Piloted and shouldered, National CB-4
25.	Piston rod-intermediate rod connection	Piloted and shouldered, metal-to-metal lock
26.	Type of gears	Relieved herringbone
27.	Gear ratio	2.853:1
28.	Gear and pinion	Through hardened alloy
29.	Type of crosshead pin	Tapered
30.	Number and type of pinion shaft bearing	2 self aligning roller
31.	Number and type of main bearing	2 double row tapered roller
32.	Number and type of crosshead bearing	3 double row needle
33.	Number and type of crankshaft-connecting rod bearing	3 cylindrical roller
34.	Double extension on pinion shaft, inches (mm)	8 ½ Dia. x 19 ½ Long (215.9 x 495.3)
35.	Sprocket with QD Hub Type S-Dual Electric Motor Drive (Drive sprocket 1200 RPM max.)	Two- 75T 1½" pitch quint.
36.	Ind. or rig drive-drive sprocket 1100 rpm max.	75T 1½" pitch octuple
37.	Sheave, QD Hub Type S	53" OD 18-8V Section belts 52" PD26-D Section Belts