

NOVOMET TRIPLEX PUMP 165 5S - NVT



Specifications

Pump Size

Maximum plunger size x stroke length in.(mm): 4 x5(102 x 127)

Rated bhp at 400 rpm (kw): 200 (149.1)

Rated plunger load, pounds(Kg): 11,870(5384.2)

Maximum discharge pressure: psi(kPa)

"L" model: 1680 (11,583)

"M" model: 3350 (23097)

"H" model: 5000 (34,474)

Crankshaft extension: in.(mm)

Diameter: 4.875 (123.8)

Length long side: 11.75 (298.0)

Length short side: 5-5/8 (142.9)

Keyway (width x depth):

1 1/4 x 5/8 (32 x 16)

Maximum recommended sheave in.(mm):
 58 (1473)

Minimum recommended sheave in.(mm):
 36 (914)

For larger sizes: Contact Factory

Pinion shaft extension,
 if gear reducer is supplied in.(mm)

For belt or chain drive:

Contact Factory

For direct drive: Diameter: 3.5 (88.9)

Length: 5-11/16 (144.5)

Keyway (width x depth):

7/8 x 7/16 (22.2 x 11.1)

Accessory gear reduction unit

2.27:1, 2.89:1, 3.25:1, 3.36:1, 3.69:1,

4.38:1, 4.84:1, 5.63:1

Oil Capacity gallons (L)

Crankcase: 8 (30.3)

Gear Reducer-varies with ratio:

3.5 to 6.5 (13.2 to 24.6)

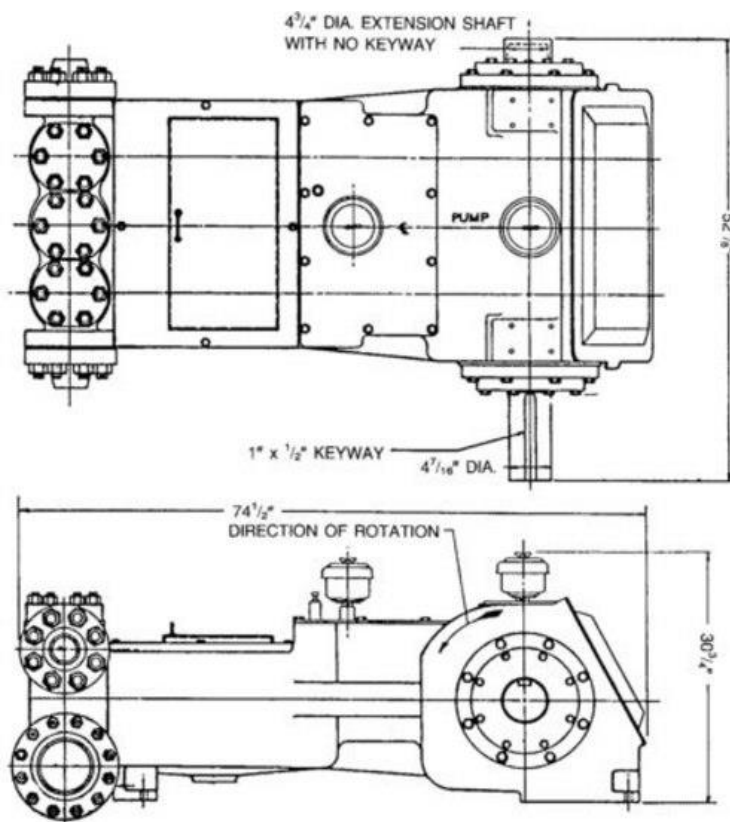
Weight, pump only on

wood shipping skids pounds (Kg):

4486 (2035)

Gear reducer, approximate pounds (Kg):

1100 (499)



Pump Model

Pump model	Flange Connections		Dimensions in inches (mm)					
	Discharge Connection Sizes	Suction Connection Sizes	A	B	C	D	E	F
165 5S-NVT-H	3 (76.2) API-2000 RJ	6 (152.4) ANSI-150 FF	5 11/16	7 5/8	27 3/4	48 3/4	65 3/4	23
165 5S-NVT-M	2 (50.8) API-5000 RJ	4 (101.6) ANSI-150 FF	4 3/4	6 1/2	26 1/2	48 3/8	64 7/8	25 5/16
165 5S-NVT-L	2 (50.8) ANSI-2500 RJ	3 (76.2) API-2000 RJ	4 3/4	6 1/2	26 1/2	48 3/8	64 1/4	25 5/16

Performance Data

Pump model	English units			Displacement							
	PLUNGER DIA. IN.	MAX PRES SURE PSI	DISPL. GAL. PER REV	100 RPM		200 RPM		300 RPM		400 RPM	
				GPM	BDP	GPM	BDP	GPM	BDP	GPM	BDP
165 5S-NVT-H	1.5	5000	0.115	11.48	394	22.96	787	34.43	1181	45.91	1574
	1.625	4720	0.135	13.47	462	26.94	924	40.41	1386	53.88	1847
	1.75	4070	0.156	15.62	536	31.25	1071	46.87	1607	62.47	2143
	1.875	3550	0.179	17.93	615	35.87	1230	53.80	1845	71.74	2460
	2	3120	0.204	20.41	700	40.81	1399	61.22	2099	81.82	2798
165 5S-NVT-M	2	3120	0.204	20.41	700	40.81	1399	61.22	2099	81.82	2798
	2.25	2470	0.258	25.83	885	51.65	1771	77.48	2656	103.30	3542
	2.5	2000	0.319	31.88	1093	63.77	2186	95.65	3279	127.53	4373
	2.625	1810	0.352	35.15	1205	70.30	2410	105.45	3616	140.60	4821
	2.75	1650	0.386	38.58	1323	77.16	2645	115.73	3968	154.23	5291
165 5S-NVT-L	2.75	1650	0.386	38.58	1323	77.16	2645	115.73	3968	154.23	5291
	3	1390	0.459	45.91	1574	91.82	3145	137.73	4722	183.65	6296
	3.25	1180	0.539	53.88	1847	107.76	3695	161.65	5542	215.53	7390
	3.5	1020	0.625	62.49	2143	124.98	4285	187.47	6428	249.96	8570
	3.75	890	0.717	71.74	2460	143.47	4919	215.21	7379	286.95	9838
	4	780	0.816	81.62	2798	163.24	5597	244.86	8395	325.63	11200
Maximun Brake Horsepower Required				42.00 HP		82.00 HP		125.00 HP		165.00 HP	