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OIS Electric driven National 165 Quintuplex PUMP



Available with 3'' ; 3.5'' and 4'' plungers

Skid mounted with containment

150 HP electric motor, 1500 RPM, 440 VAC explosion proof

antistatic drive belts, four groove, 8V series

Pulsation dampener, Lubricator pump

High pressure bypass loop for high pressure application

Belt guard

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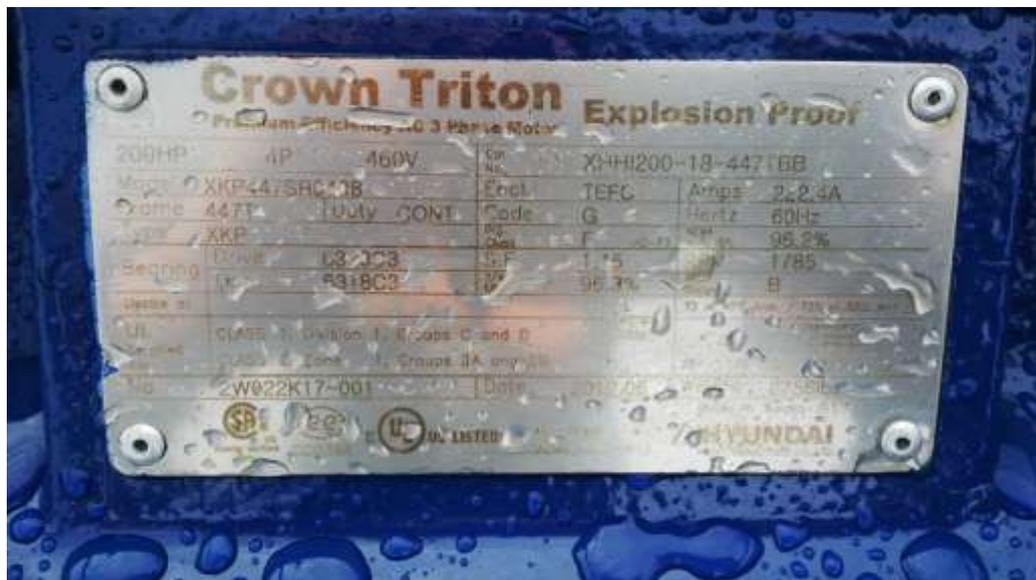


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Performance Data

PUMP	English Units					100 RPM		200 RPM		250 RPM		300 RPM		350 RPM		400 RPM	
	Plunger Dia. In.	Plunger Area Sq. In.	BPD per RPM	GPM per RPM	Max. Press. PSI	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
165T-5L	4.000	12.5664	27.9770	0.8160	780	2798	81.6	5596	163.2	6995	204.0	8394	244.8	9792	285.6	11191*	326*
	3.750	11.0447	24.5892	0.7172	887	2459	71.7	4918	143.4	6148	179.3	7377	215.2	8607	251.0	9836	286.9
	3.500	9.6211	21.4199	0.6247	1019	2142	62.5	4284	124.9	5355	156.2	6426	187.4	7497	218.7	8568	249.9
	3.250	8.2958	18.4692	0.5387	1181	1847	53.9	3694	107.7	4618	134.7	5541	161.6	6465	188.5	7388	215.5
	3.000	7.0686	15.7371	0.4590	1388	1574	45.9	3148	91.8	3935	114.7	4722	137.7	5508	160.6	6295	183.6
	2.750	5.9396	13.2235	0.3857	1650	1323	38.6	2645	77.1	3306	96.4	3968	115.7	4629	135.0	5290	154.3

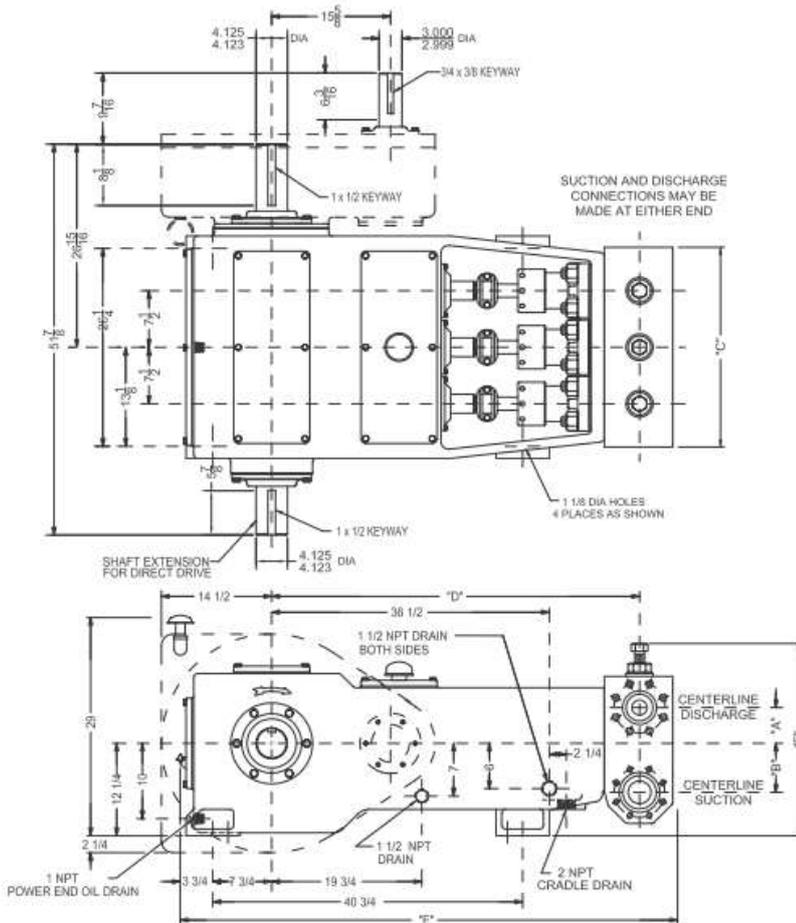
Electric explosion proof motor :



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165T-5 Triplex Plunger Pump



Specifications

Pump Size

(maximum plunger size x stroke length in.(mm))
4 x 5 (102 x 127)

Rated bhp at 400 rpm (kw)
165 (123)

Rated plunger load, pounds (Kg)
9800 (4445.2)

Maximum discharge pressure: psi (kPa)

"L" model: 1650 (11,376)

"M" model: 3120 (21,512)

"H" model: 5000 (34,474)

Crankshaft extension: in.(mm)

Diameter: 4.125 (104.8)

Length long side: 8 1/8 (206.4)

Length short side: 5 7/8 (149.2)

Keyway (width x depth): 1 x 1/2 (25.4 x 12.7)

Maximum recommended sheave in.(mm):

50 (1270)

Minimum recommended sheave in.(mm):

36 (914)

For larger sizes: **Contact Factory**

Pinion shaft extension, in.(mm):

if gear reducer is supplied

For belt or chain drive: **Contact Factory**

For direct drive: Diameter: 3.0 (76.2)

Length: 6 3/16 (157.2)

Keyway (width x depth):

3/4 x 3/8 (19.05 x 9.53)

Accessory gear reduction unit:

2.8:1, 3.22:1, 3.46:1, 4.00:1,

4.38:1, 4.78:1, 4.96:1, 5.74:1

Oil Capacity, gallons (L)

Crankcase: 8 (30)

Gear Reducer-varies with ratio:

2.25 to 3.5 (8.52 to 13.25)

Weight, pump only on wood shipping skids

pounds (Kg): 4000 (1814)

Gear reducer, approximate pounds (Kg):

800 (363)

Pump Model	Flange Connections		Dimensions (Inches)					
	Discharge Connection Sizes	Suction Connection Sizes	A	B	C	D	E	F
165-SL	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