



*Efficient performance for your service*

**PETROFLOW**

#### APPLICATIONS PUMPS

PETROFLOW Pumps leads the field in the petroleum industries.

Continuous Duty.

Intermittent Service.

Well Servicing and Production Pumps.

We have a model for every job, oil pumping, pipeline.



**MODEL 165 TRIPLEX PUMP**



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### SPECIFICATIONS

Breaking Horse Power : 165 HP (123 kW)  
 Maximum RPM : 400  
 No. of Plungers : 3  
 Stroke Length : 5 Inch (127 MM)  
 Plunger size : 1-1/2 to 4 in. (38.1 - 101.6 MM)  
 Gear Ratio : 4.38:1  
 Weight Pump only : 4,000 Pounds (1818 Kg)  
 Weight Gear Reducer : 800 Pounds (363 Kg)  
 Pump oil capacity : 8 Gallons  
 Gear Reducer oil capacity : 2.25 Gallons

### NOTE:

Based on 90% Mechanical Efficiency and  
100% Volumetric Efficiency

**165 T 5S PERFORMANCE CHART**

PUMP MODEL	PLUNGER DIA. IN.	PLUNGER AREA SQ. IN.	BPD PER RPM	GPM PER REV.	MAX PRESION PSI	DISPLACEMENT Rated plunger load 9800 pounds (4445.2Kg)													
						100	RPM	150	RPM	200	RPM	250	RPM	300	RPM	350	RPM	400	RPM
						GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
165-5S-H	1.500	1.7671	3.9343	0.1148	5000	11.48	393	17.21	590	22.95	787	28.69	984	34.43	1180	40.16	1377	45.90	1574
	1.625	2.0739	4.6173	0.1347	4720	13.47	462	20.20	693	26.93	923	33.67	1154	40.40	1385	47.14	1616	53.87	1847
	1.750	2.4053	5.3550	0.1562	4070	15.62	536	23.43	803	31.24	1071	39.05	1339	46.86	1607	54.67	1874	62.48	2142
	1.875	2.7612	6.1473	0.1793	3550	17.93	615	26.89	922	35.86	1229	44.82	1537	53.79	1844	62.75	2152	71.72	2459
	2.000	3.1416	6.9943	0.2040	3120	20.40	699	30.60	1049	40.80	1399	51.00	1749	61.20	2098	71.40	2448	81.60	2798
165-5S-M	2.000	3.1416	6.9943	0.2040	3120	20.40	699	30.60	1049	40.80	1399	51.00	1749	61.20	2098	71.40	2448	81.60	2798
	2.250	3.9761	8.8521	0.2582	2470	25.82	885	38.73	1328	51.64	1770	64.55	2213	77.46	2656	90.37	3098	103.28	3541
	2.500	4.9087	10.9286	0.3188	2000	31.88	1093	47.81	1639	63.75	2186	79.69	2732	95.63	3279	111.56	3825	127.50	4371
	2.750	5.9396	13.2236	0.3857	1650	38.57	1322	57.85	1984	77.14	2645	96.42	3306	115.71	3967	134.99	4628	154.28	5289
165-5S-L	2.750	5.9396	13.2236	0.3857	1650	38.57	1322	57.85	1984	77.14	2645	96.42	3306	115.71	3967	134.99	4628	154.28	5289
	3.000	7.0686	15.7371	0.4590	1390	45.90	1574	68.85	2361	91.80	3147	114.75	3934	137.70	4721	160.65	5508	183.60	6295
	3.250	8.2958	18.4693	0.5387	1180	53.87	1847	80.80	2770	107.74	3694	134.67	4617	161.61	5541	188.54	6464	215.48	7388
	3.500	9.6211	21.4200	0.6248	1020	62.48	2142	93.71	3213	124.95	4284	156.19	5355	187.43	6426	218.66	7497	249.90	8568
	3.750	11.0447	24.5893	0.7172	890	71.72	2459	107.58	3688	143.44	4918	179.30	6147	215.16	7377	251.02	8606	286.88	9836
	4.000	12.5664	27.9771	0.8160	780	81.60	2798	122.40	4197	163.20	5595	204.00	6994.29	244.80	8393	285.60	9792		
Maximum Brake Horsepower						42.00	HP	63.00	HP	83.00	HP	104.00	HP	124.00	HP	144.00	HP	165.00	HP
Required																			

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