

Odessa Petroleum International

APPLICATIONS PUMPS

Vertical Pumps leads the field in the petroleum industry.

Compact pump design is ideal for high pressure, Continuous Duty.

High volume applications in tight spaces

Standard Fluid End, Plunger Colmonoy

We have a model for every job, oil pumping.



8000 B/D
INJECTION

VERTICAL Q-600 QUINTUPLEX PUMP

Bulletin 05 - 21
1st Edition

Odessa Petroleum International



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VERTICAL Q-600 QUINTUPLEX PUMP

SPECIFICATIONS

Maximum Input: 600 BHP
 Maximum RPM: 327
 No. of Plungers: 5
 Stroke Length: 6 In.
 Gear Ratio: 2.88 : 1
 Weight: 15000 Lb.

Pump oil capacity: 45 Gallons
 Gear Reducer oil capacity: 18 Gallons

NOTE:

Based on 90% Mechanical Efficiency and
 100% Volumetric Efficiency

VERTICAL OPI 600 PERFORMANCE CHART

PUMP MODEL	PLUNGER DIA. IN.	MAX PRESION PSI	DISPL. GAL. PER REV.	DISPLACEMENT							
				200 RPM		250 RPM		300 RPM		327 RPM	
				GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
600 H	2.375	5000	1.151	115.10	3946	143.87	4933	172.65	5919	188.18	6452
	2.5	4450	1.275	127.53	4373	159.41	5466	191.30	6559	208.51	7149
	2.625	4040	1.406	140.60	4821	175.75	6026	210.90	7231	229.89	7882
600 M	2.625	4040	1.406	140.60	4821	175.75	6026	210.90	7231	229.89	7882
	2.75	3670	1.543	154.31	5291	192.89	6613	231.47	7936	252.30	8650
	2.875	3365	1.687	168.66	5783	210.83	7228	252.99	8674	275.76	9455
600 L	2.875	3365	1.687	168.66	5783	210.83	7228	252.99	8674	275.76	9455
	3	2000	1.836	183.65	6296	229.56	7871	275.47	9445	300.26	10295
	3.125	1810	1.993	199.27	6832	249.08	8540	298.90	10248	325.80	11170
	3.25	1650	2.155	215.53	7390	269.41	9237	323.29	11084	352.39	12082
	3.375	1650	2.324	232.43	7969	290.53	9961	348.64	11953	380.02	13029
	3.5	1390	2.500	249.96	8570	312.45	10713	374.94	12855	408.69	14012
	4	1180	3.265	326.48	11194	408.10	13992	489.72	16790	533.79	18302
	4.5	1020	4.132	413.20	14167	516.50	17709	619.80	21250	675.58	23163
	5	890	5.101	510.13	17490	637.66	21863	765.19	26235	834.05	28596
	6	780	7.346	734.58	25186	918.23	31482	1101.87	37778	1201.04	41178
Maximum Brake Horsepower Required				372.60	HP	465.76	HP	558.91	HP	609.21	HP

ODESSA PETROLEUM INTERNATIONAL

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Opent

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