



*Efficient performance for your service*

**PETROFLOW**

#### APPLICATIONS PUMPS

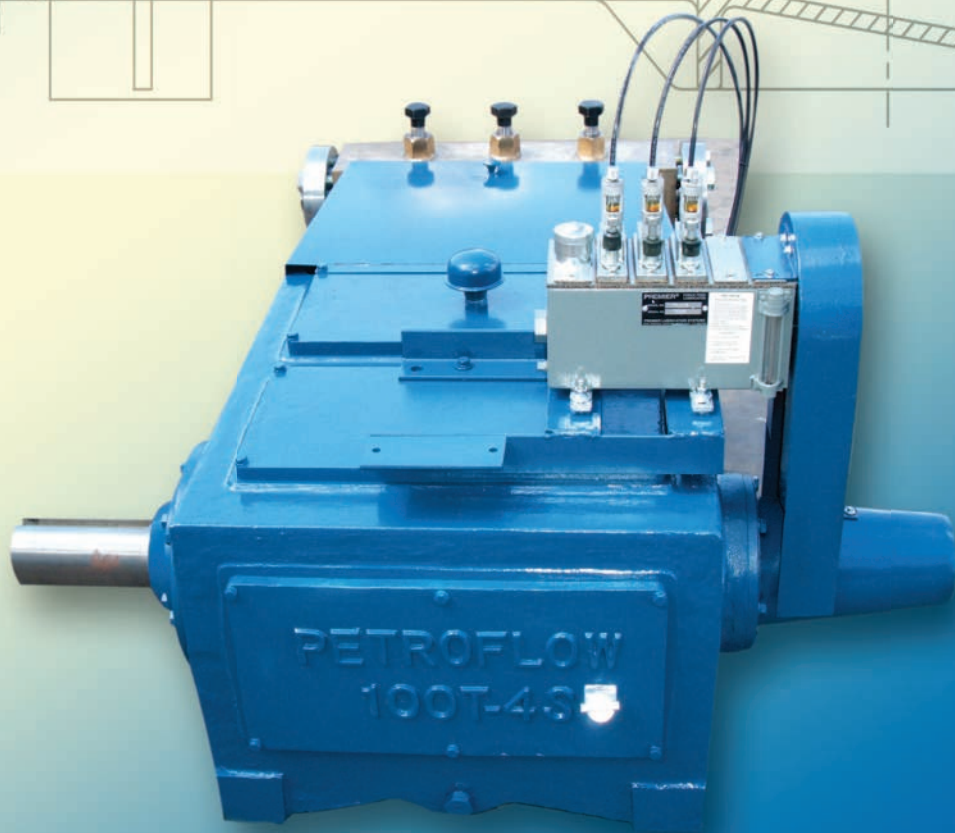
PETROFLOW Pumps leads the field in the petroleum industries.

Continuous Duty.

Intermittent Service.

Well Servicing and Production Pumps.

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



## MODEL T-100 TRIPLEX PUMP

Bulletin 03 – 201

1st Edition of 1@mo 2007



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### SPECIFICATIONS

Breaking Horse Power : 100 HP (75 kW)  
 Maximum RPM : 450  
 No. of Plungers : 3  
 Stroke Length : 4 Inch (101.6 MM)  
 Plunger size : 1-1/4 to 3-3/8 in. (31.75 - 85.72 MM)  
 Gear Ratio : 2.60:1, 3.15:1, 3.42:1, 3.89:1, 4.27:1  
 Weight Pump only : 2,300 Pounds (1,043 Kg)  
 Weight Gear Reducer : 500 Pounds (227Kg)  
 Pump oil capacity : 5.5 Gallons  
 Gear Reducer oil capacity : 3 Gallons

### NOTE:

Based on 90% Mechanical Efficiency and  
 100% Volumetric Efficiency

### 100 T 4S PERFORMANCE CHART

PUMP MODEL	PLUNGER DIA. IN.	PLUNGER AREA SQ. IN.	BPD PER RPM	GPM PER REV.	MAX PRESION PSI	DISPLACEMENT Rated plunger load 6595 pounds (2991.4Kg)											
						200 RPM		250 RPM		300 RPM		350 RPM		400 RPM		450 RPM	
						GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
100-4S-H	1.250	1.2272	2.1857	0.0638	5000	12.75	437	15.94	546	19.13	656	22.31	765	25.50	874	28.69	984
	1.375	1.4849	2.6447	0.0771	4441	15.43	529	19.28	661	23.14	793	27.00	926	30.86	1058	34.71	1190
	1.500	1.7671	3.1474	0.0918	3732	18.36	629	22.95	787	27.54	944	32.13	1102	36.72	1259	41.31	1416
	1.625	2.0739	3.6939	0.1077	3180	21.55	739	26.93	923	32.32	1108	37.71	1293	43.10	1478	48.48	1662
	1.750	2.4053	4.2840	0.1250	2742	24.99	857	31.24	1071	37.49	1285	43.73	1499	49.98	1714	56.23	1928
100-4S-M	1.625	2.0739	3.6939	0.1077	3180	21.55	739	26.93	923	32.32	1108	37.71	1293	43.10	1478	48.48	1662
	1.750	2.4053	4.2840	0.1250	2742	24.99	857	31.24	1071	37.49	1285	43.73	1499	49.98	1714	56.23	1928
	1.875	2.7612	4.9179	0.1434	2388	28.69	984	35.86	1229	43.03	1475	50.20	1721	57.38	1967	64.55	2213
	2.000	3.1416	5.5954	0.1632	2099	32.64	1119	40.80	1399	48.96	1679	57.12	1958	65.28	2238	73.44	2518
	2.125	3.5466	6.3167	0.1842	1860	36.85	1263	46.06	1579	55.27	1895	64.48	2211	73.70	2527	82.91	2843
100-4S-L	2.250	3.9761	7.0817	0.2066	1659	41.31	1416	51.64	1770	61.97	2125	72.29	2479	82.62	2833	92.95	3187
	2.500	4.9087	8.7429	0.2550	1500	51.00	1749	63.75	2186	76.50	2623	89.25	3060	102.00	3497	114.75	3934
	2.750	5.9396	10.5789	0.3086	1110	61.71	2116	77.14	2645	92.57	3174	107.99	3703	123.42	4232	138.85	4760
	3.000	7.0686	12.5897	0.3672	933	73.44	2518	91.80	3147	110.16	3777	128.52	4406	146.88	5036	165.24	5665
	3.250	8.2958	14.7754	0.4310	795	86.19	2955	107.74	3694	129.29	4433	150.83	5171	172.38	5910	193.93	6649
	3.375	8.9462	15.9339	0.4647	737	92.95	3187	116.18	3983	139.42	4780	162.66	5577	185.90	6374	209.13	7170
Maximum Brake Horsepower Required						45.00	HP	56.00	HP	67.00	HP	78.00	HP	89.00	HP	100.00	HP

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