

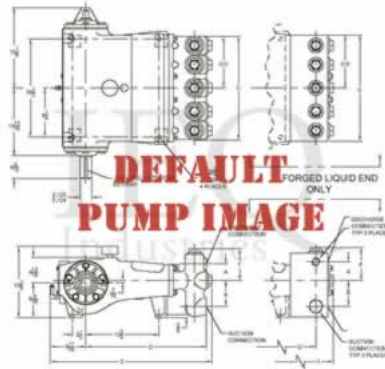
Wheatley, 5850, Quintuplex, Piston Pump (Mud Pump)

Pumps in this series

5850

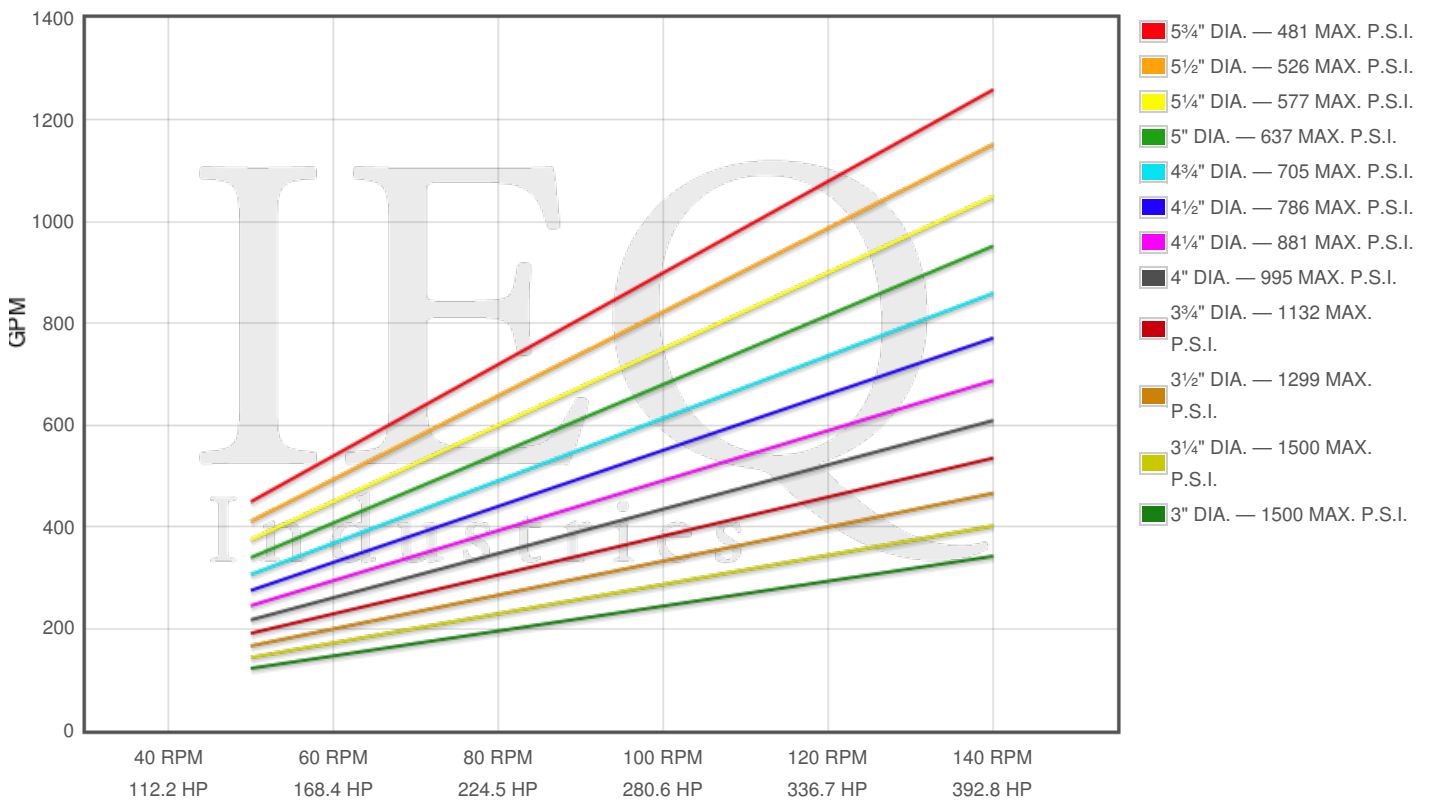
Specs

Spec	U.S. Standard
Type:	quintuplex
Minimum Piston Diameter:	3"
Maximum Piston Diameter:	5¾"
Stroke length:	8"
Maximum Working Pressure:	1,500 PSI
Rod/Piston Load:	12500lb
Gallons per Minute:	1208.0
Barrels per Day:	41417
Brake Horse Power:	408.0



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

Pump	English Units					50 RPM		75 RPM		100 RPM		125 RPM		140 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
5850	5.750	25.9672	308.331	8.9930	481	15417	450	23125	674	30833	899	38541	1124	43166	1259
	5.500	23.7583	282.102	8.2280	526	14105	411	21158	617	28210	823	35263	1029	39494	1152
	5.250	21.6475	257.039	7.4970	577	12852	375	19278	562	25704	750	32130	937	35986	1050
	5.000	19.6350	233.142	6.8000	637	11657	340	17486	510	23314	680	29143	850	32640	952
	4.750	17.7205	210.411	6.1370	705	10521	307	15781	460	21041	614	26301	767	29458	859
	4.500	15.9043	188.845	5.5080	786	9442	275	14163	413	18885	551	23606	688	26438	771
	4.250	14.1863	168.445	4.9130	881	8422	246	12633	368	16845	491	21056	614	23582	688
	4.000	12.5664	149.211	4.3520	995	7461	218	11191	326	14921	435	18651	544	20890	609
	3.750	11.0447	131.143	3.8250	1132	6557	191	9836	287	13114	382	16393	478	18360	535
	3.500	9.6211	114.240	3.3320	1299	5712	167	8568	250	11424	333	14280	416	15994	466
	3.250	8.2958	98.503	2.8730	1500	4925	144	7388	215	9850	287	12313	359	13790	402
	3.000	7.0686	83.931	2.4480	1500	4197	122	6295	184	8393	245	10491	306	11750	343

Features/Benefits

GASO PISTON PUMPS

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Power End Specifications

Power Frame. High-strength gray iron alloy casting with heavy wall sections, well ribbed to ensure rigid construction and design to fully enclose all working parts.

Gears. Continuous to Sykes herringbone construction. Main gear is heat treated high-grade ductile iron. Pinion gear is cut from forged alloy steel and hardened.

Crankshaft. Have a center section for mounting main gear. Large diameter crank pins

Pinion Shaft. Alloy steel bar stock, machine and precision ground.

Bearings. Heavy duty tapered roller bearings on crankshaft. Self-contained double roll bearings on pinion shaft to permit free floating of shaft for self centering of peers.

Connecting Rods. Heavy cross section castings with renewable Babbitt lined steel shell bearings and crank and; bronze bushing in cross head end.

Lubrication. All power and parts including gears, cross heads, connecting rod bearings, crankshaft bearings and pinion crank shaft bearings, are lubricated by splash system from lubricant in crankcase reservoir.

Fluid End Specifications

Power Frame. Alloys stocked are Molybdenum's cast iron and cast steel. Fluid ounce can be trimmed out for pumping various liquids. Ductile iron can be furnished upon request.

Cylinder Heads. Heavy section alloy casting to match material of pump fluid body.

Valve Covers. Heavy section alloy casting to match material of pump fluid body.

Liners. All pumps are available with interchangeable pipe liners. Standard materials available are Molybdenums alloyed iron, file hard steel and special corrosion resistant liners.

Piston Rods. Various rod materials are available. These are: steel, bronze, stainless steel, file hard steel, and chrome plated steel.

Pistons. Molly's iron and bronze bodies fitted with various types of rings or cups are available.slush service pistons can also be furnished.

Valves. Valves and seats are available as follows: hardened and ground steel wing guided, bronze wing guided, steal or bronze insert type, direct blood valves for use on cast iron or bronze seats. McClatchie and mission can also be furnished.

Stuffing Boxes. All duplex pumps are furnished with replaceable type stuffing boxes which are available in cast iron and bronze.

Packing. Standard packing is a set of lip's type packing rings. Other packings can be furnished for special applications.

Stuffing Box Lubrication. Furnished by use of regulated flow of oil from a force-feed lubricate or mounted on the pump, with a separate oil line to each stuffing box.

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