

Gaso, 3774, Triplex, Plunger Pump

Pumps in this series

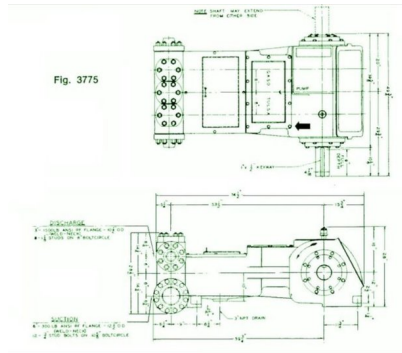
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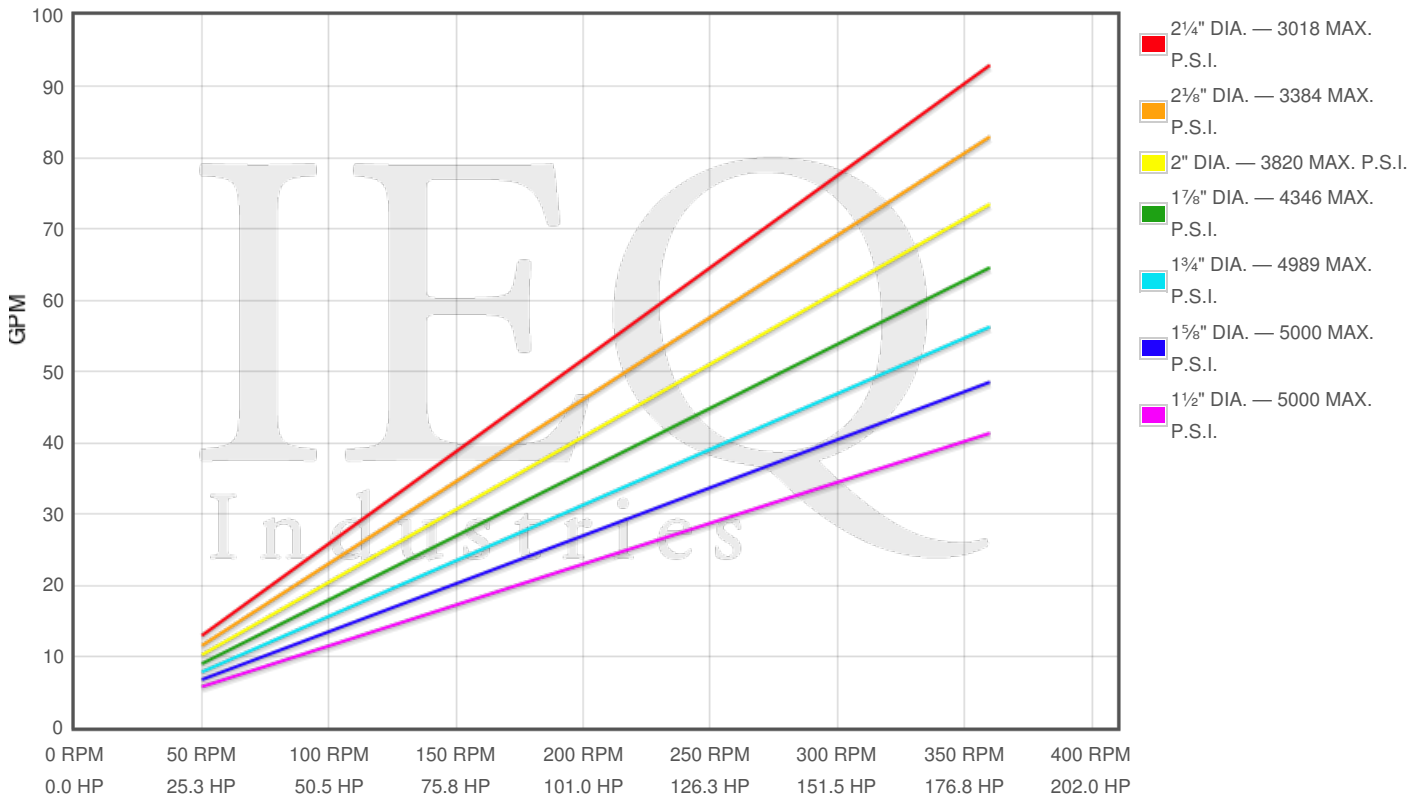
Specs

Spec	U.S. Standard
Type:	triplex
Minimum Plunger Diameter:	1½"
Maximum Plunger Diameter:	2¼"
Stroke length:	5"
Maximum Working Pressure:	5,000 PSI
Rod/Piston Load:	12000lb
Gallons per Minute:	92.9
Barrels per Day:	3185
Brake Horse Power:	180.0



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

Pump	English Units					50 RPM		150 RPM		250 RPM		350 RPM		360 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
3774	2.250	3.9761	8.852	0.2582	3018	443	13	1328	39	2213	65	3098	90	3187	93
	2.125	3.5466	7.896	0.2303	3384	395	12	1184	35	1974	58	2764	81	2843	83
	2.000	3.1416	6.994	0.2040	3820	350	10	1049	31	1749	51	2448	71	2518	73
	1.875	2.7612	6.147	0.1793	4346	307	9	922	27	1537	45	2152	63	2213	65
	1.750	2.4053	5.355	0.1562	4989	268	8	803	23	1339	39	1874	55	1928	56
	1.625	2.0739	4.617	0.1347	5000	231	7	693	20	1154	34	1616	47	1662	48
	1.500	1.7671	3.934	0.1147	5000	197	6	590	17	984	29	1377	40	1416	41

Features/Benefits

GASO TRIPLEX PLUNGER PUMPS

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GASO pumps are engineered to deliver the best plus values which have distinguished GASO pumps for over 60 years and to provide longer life and lower maintenance costs. Important design features include:

Power End Specifications

Power Frame. High-strength gray iron alloy casting with heavy wall sections well written to ensure rigid construction.

Crankshaft. Mounted with centerline of shaft on centerline of cross heads. Crankshaft may extend from either side of the pump.

Crankshaft Bearings. Interchangeable heavy-duty roller bearings.

Connecting Rods. All triplex plunger pumps are equipped with H type construction rods, with renewable Babbit lined steel backed shell bearings at the crank end and bronze bushings at crosshead end.

Crossheads. Figures 3088, and series 3200, 3300, 313, 3400, 3800, 3900, 3600 and 3700 pumps are furnished with cylindrical type high-strength alloy castings. Series 3500 pumps are furnished with semi-cylindrical typecasting. Cross head tends are hardened and ground steel.

Lubrication. All power and parts are lubricated by splash system from oil in the crankcase reservoir. Power frame has an oil return channel, from front of the cross heads back to the crankcase, to permit constant circulation of oil and to help keep oil cool. Positive power and lubrication is optional for series 3700 pumps.

Stuffing Boxes. Figures 3088 and series 3200, 3300, 3400, 3500, 3800, and 3900 pumps are furnished with double lip U-cup packings. Series 3630 700 pumps are furnished with a set of four non-crushable lip type packing rings.

Fluid End Specifications

FLUID END BODY. Alloys which are stocked are Molybdenum alloy iron for crude oil and freshwater service, and steel for pumping petroleum products in hazardous locations. Aluminum bronze alloys are used for salt water and other corrosive liquids. Special alloys such as Hastalloy C, Inconel or stainless steel can be furnished upon request.

VALVES. Figure 3211 and 3364 pumps are furnished standard with wing guided type valves and seats. Figures 3365, 3088 and series 3113, 3400, 3500, 3800, 3900, 3630 700 pumps are furnished with stem guided disk type valve assemblies.

CYLINDER HEADS AND VALVE COVERS. 3211 and 3364 pumps with aluminum bronze and Molybdenum alloy fluid ends have threaded valve covers and cylinder heads, all other are bolt on type.

PLUNGERS. Plunger materials are available in: file hard steel, mononoy's surfaced steel, solid ceramic, and chrome plated steel.

STUFFING BOXES. All triplex pump boxes, with the exception of figures 3088, 3583, and series 3900, 3630 3700 pumps, are board directly into the fluid body. Stuffing boxes are for figures 3088, 3583 and series 3800, 3900, 3630 and 3700 pumps are replaceable type.

PACKING. Standard packing is a set of non-crushable lid tight packing rings. Other packing can be furnished for special applications.

PILUNGER LUBRICATION. Furnished by use of grip oilers or regulated flow of oil from a force-feed's lubricator. Lubricator is mounted on the pump with separate oil lines to each plunger.

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