NEW, USED, AND REFURBISHED PUMPS AND PARTS

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GASO DUPLEX, GASO TRIPLEX AND GASO QUINTUPLEX PLUNGER AND PISTON PUMPS BY WHEATLEY AND GASO PUMP

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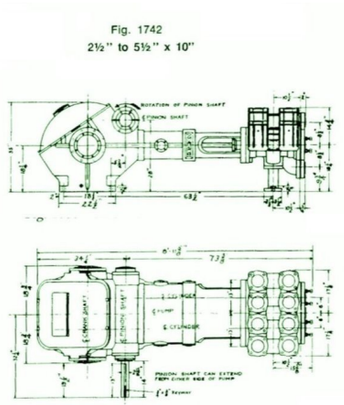
Gaso, 1740, Duplex, Piston Pump (Mud Pump)

Pumps in this series

1740
1741
1742
1743

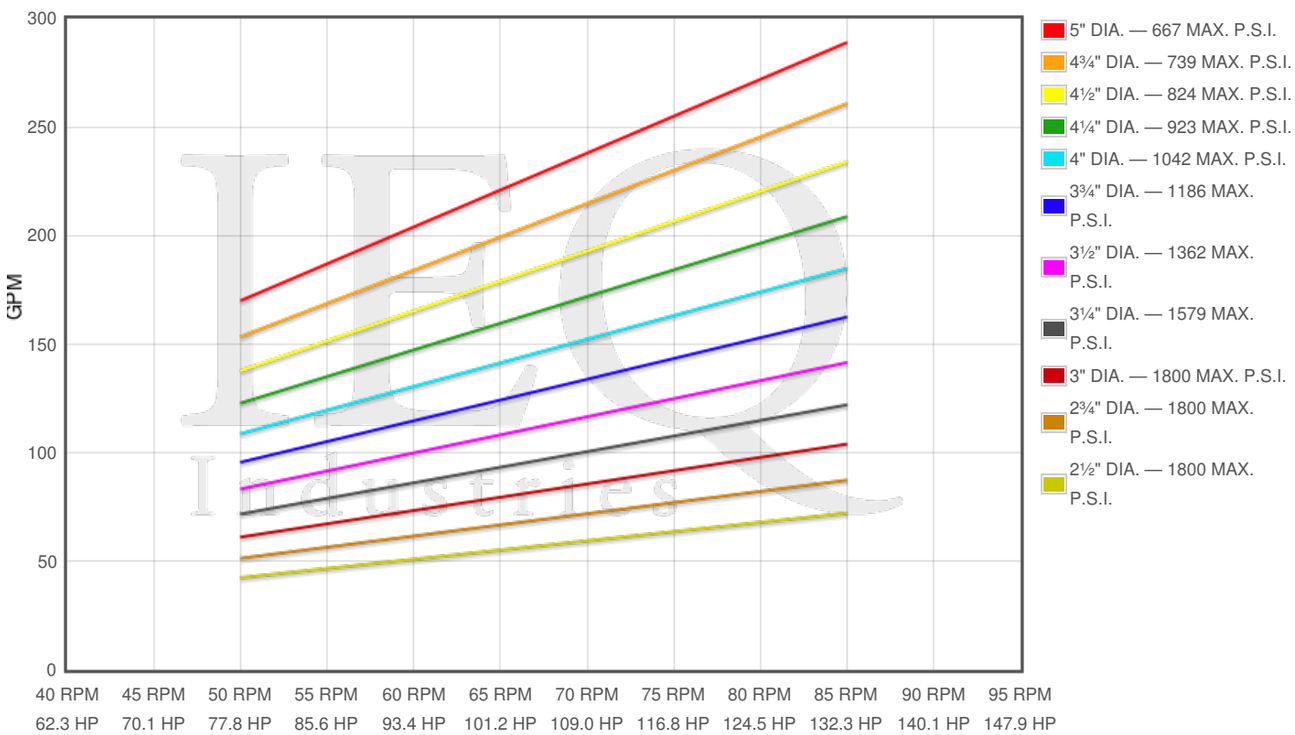
Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	2½"
Maximum Piston Diameter:	5"
Stroke length:	10"
Maximum Working Pressure:	1,800 PSI
Rod/Piston Load:	13100lb
Gallons per Minute:	234.0
Barrels per Day:	8023
Brake Horse Power:	119.1



Pump Curves

Hover over Power Curves to reveal RPM and GPM



Performance Data Table

Pump	English Units					50 RPM		60 RPM		70 RPM		80 RPM		85 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
1740	5.000	19.6350	116.571	3.4000	667	5829	170	6994	204	8160	238	9326	272	9909	289
	4.750	17.7205	105.205	3.0685	739	5260	153	6312	184	7364	215	8416	245	8943	261
	4.500	15.9043	94.423	2.7540	824	4721	138	5665	165	6610	193	7554	220	8026	234
	4.250	14.1863	84.223	2.4565	923	4211	123	5053	147	5896	172	6738	197	7159	209
	4.000	12.5664	74.606	2.1760	1042	3730	109	4476	131	5222	152	5968	174	6342	185
	3.750	11.0447	65.571	1.9125	1186	3279	96	3934	115	4590	134	5246	153	5574	163
	3.500	9.6211	57.120	1.6660	1362	2856	83	3427	100	3998	117	4570	133	4855	142
	3.250	8.2958	49.251	1.4365	1579	2463	72	2955	86	3448	101	3940	115	4186	122
	3.000	7.0686	41.966	1.2240	1800	2098	61	2518	73	2938	86	3357	98	3567	104
	2.750	5.9396	35.263	1.0285	1800	1763	51	2116	62	2468	72	2821	82	2997	87
	2.500	4.9087	29.143	0.8500	1800	1457	42	1749	51	2040	59	2331	68	2477	72

Features/Benefits

GASO DUPLEX 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 MolybdenumÃ¢Â€Â™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. MollyÃ¢Â€Â“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 lipÃ¢Â€Â“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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