

GasO, 2245, Duplex, Piston Pump (Mud Pump)

Pumps in this series

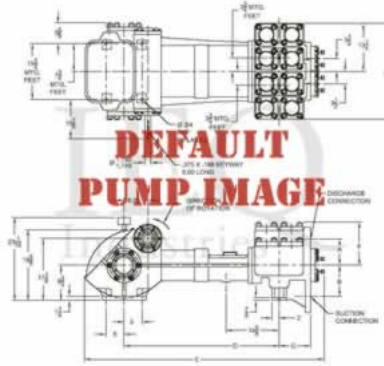
[2244](#)

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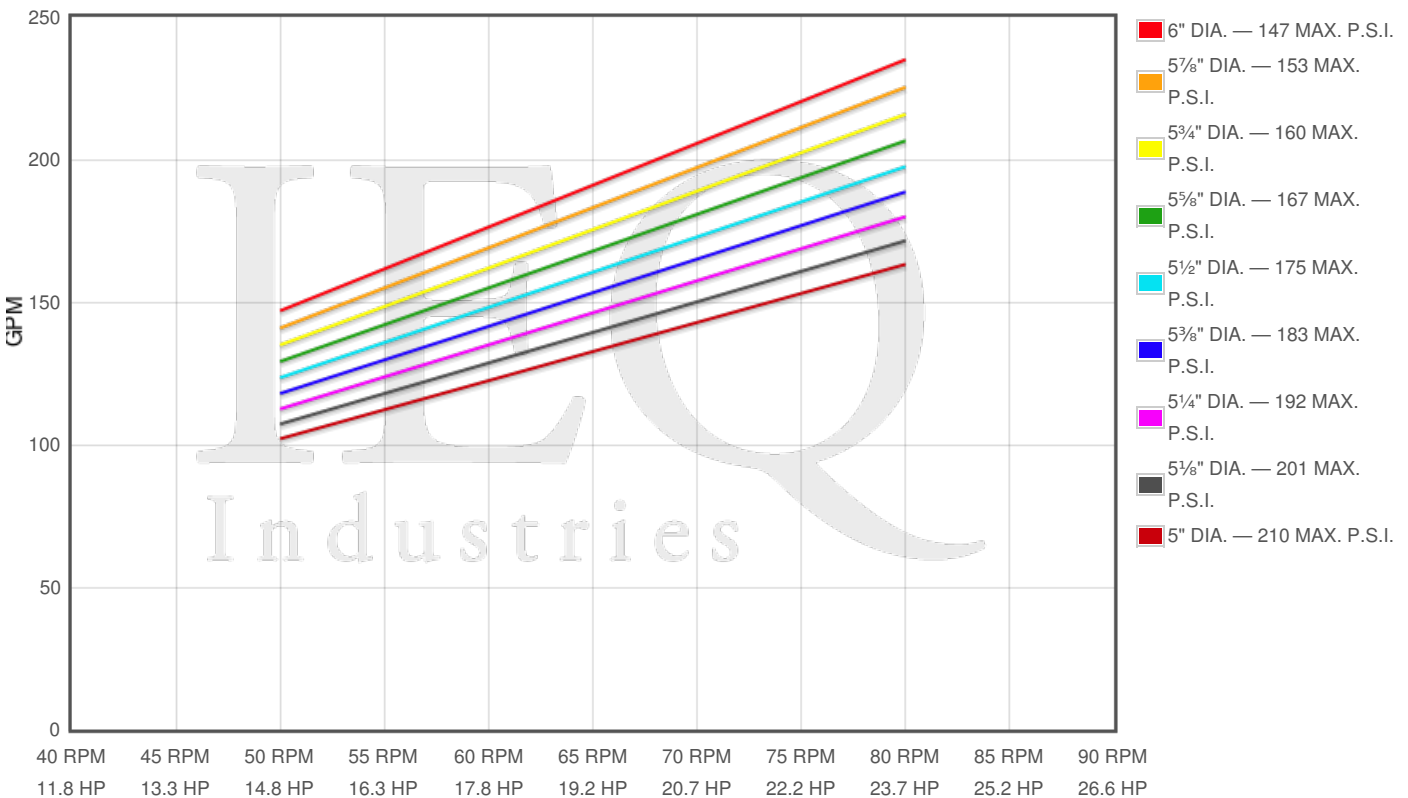
Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	5"
Maximum Piston Diameter:	6"
Stroke length:	6"
Maximum Working Pressure:	210 PSI
Rod/Piston Load:	4150lb
Gallons per Minute:	230.0
Barrels per Day:	7886
Brake Horse Power:	21.8



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	
	Plunger Dia. In.	Plunger Area Sq. In.	BPD per RPM	GPM per RPM	Max Press. PSI	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
2245	6.000	28.2743	100.717	2.9376	147	5036	147	6043	176	7050	206	8057	235
	5.875	27.1085	96.565	2.8165	153	4828	141	5794	169	6760	197	7725	225
	5.750	25.9672	92.499	2.6979	160	4625	135	5550	162	6475	189	7400	216
	5.625	24.8505	88.521	2.5819	167	4426	129	5311	155	6197	181	7082	207
	5.500	23.7583	84.631	2.4684	175	4232	123	5078	148	5924	173	6771	197
	5.375	22.6906	80.828	2.3575	183	4041	118	4850	141	5658	165	6466	189
	5.250	21.6475	77.112	2.2491	192	3856	112	4627	135	5398	157	6169	180
	5.125	20.6290	73.484	2.1433	201	3674	107	4409	129	5144	150	5879	171
	5.000	19.6350	69.943	2.0400	210	3497	102	4197	122	4896	143	5595	163

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 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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