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

IEQ Industries Ltd
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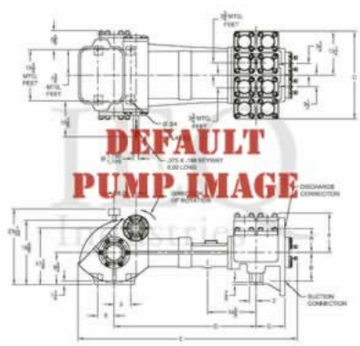
Gaso, 2249, Duplex, Piston Pump (Mud Pump)

Pumps in this series

2244
2245
2249

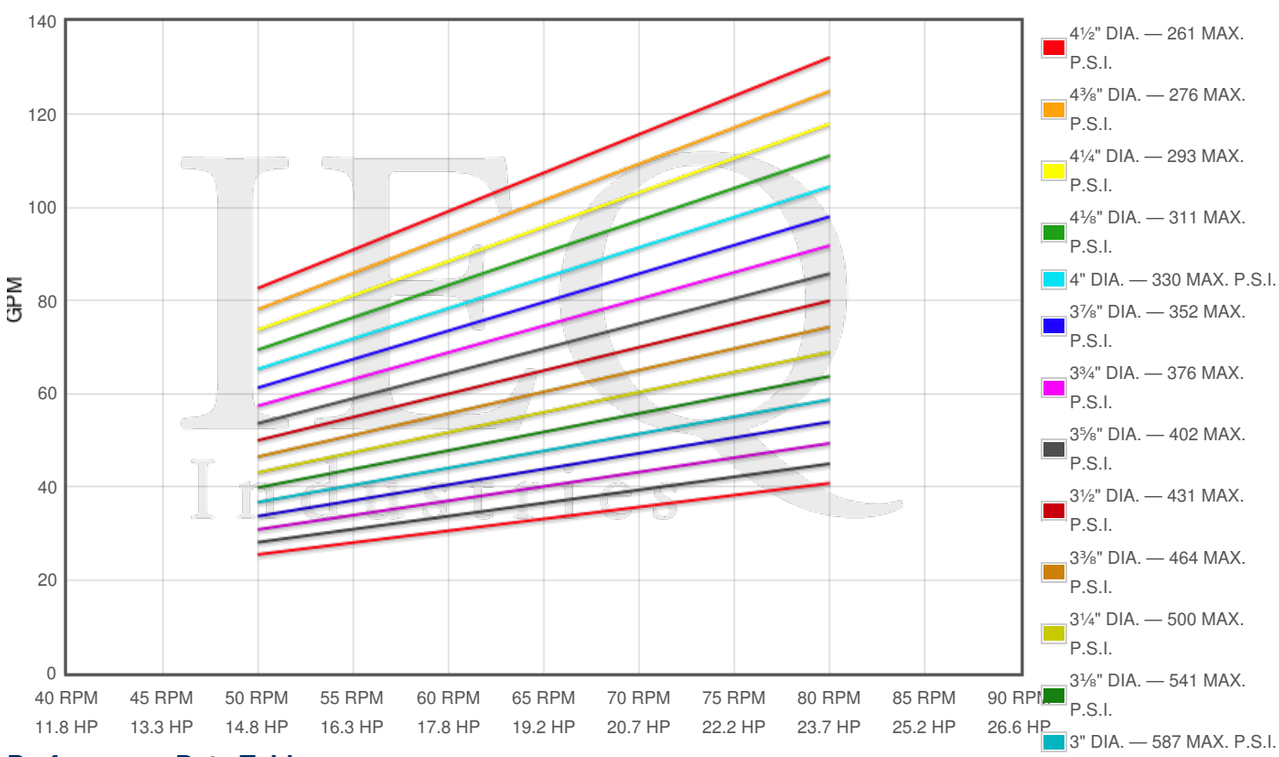
Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	2½"
Maximum Piston Diameter:	4½"
Stroke length:	6"
Maximum Working Pressure:	845 PSI
Rod/Piston Load:	4150lb
Gallons per Minute:	113.0
Barrels per Day:	3874
Brake Horse Power:	20.9



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
2249	4.500	15.9043	56.654	1.6524	261	2833	83	3399	99	3966	116	4532	132
	4.250	14.1863	50.534	1.4739	293	2527	74	3032	88	3537	103	4043	118
	4.000	12.5664	44.763	1.3056	330	2238	65	2686	78	3133	91	3581	104
	3.750	11.0447	39.343	1.1475	376	1967	57	2361	69	2754	80	3147	92
	3.500	9.6211	34.272	0.9996	431	1714	50	2056	60	2399	70	2742	80
	3.250	8.2958	29.551	0.8619	500	1478	43	1773	52	2069	60	2364	69
	3.000	7.0686	25.179	0.7344	587	1259	37	1511	44	1763	51	2014	59
	2.750	5.9396	21.158	0.6171	699	1058	31	1270	37	1481	43	1693	49
	2.500	4.9087	17.486	0.5100	845	874	25	1049	31	1224	36	1399	41

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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