

## Gaso, 2244, Duplex, Piston Pump (Mud Pump)

### Pumps in this series

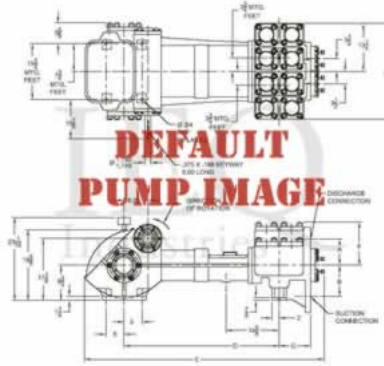
[2244](#)

[2245](#)

[2249](#)

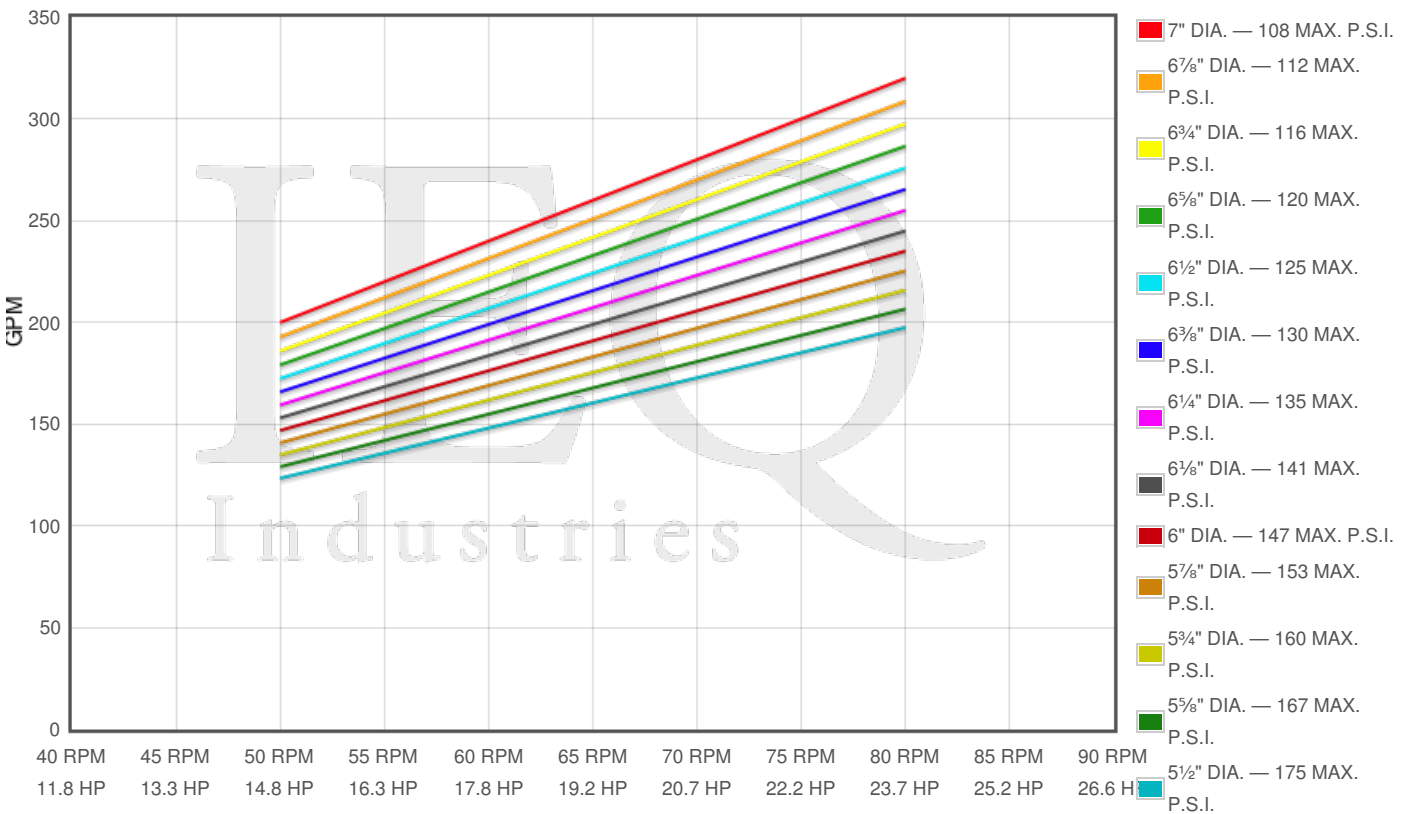
### Specs

Spec	U.S. Standard
Type:	duplex
Minimum Piston Diameter:	5½"
Maximum Piston Diameter:	7"
Stroke length:	6"
Maximum Working Pressure:	235 PSI
Rod/Piston Load:	4150lb
Gallons per Minute:	460.0
Barrels per Day:	15771
Brake Horse Power:	43.0



### 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
2244	7.000	38.4845	137.088	3.9984	108	6854	200	8225	240	9596	280	10967	320
	6.750	35.7847	127.471	3.7179	116	6374	186	7648	223	8923	260	10198	297
	6.500	33.1831	118.203	3.4476	125	5910	172	7092	207	8274	241	9456	276
	6.250	30.6796	109.285	3.1875	135	5464	159	6557	191	7650	223	8743	255
	6.000	28.2743	100.717	2.9376	147	5036	147	6043	176	7050	206	8057	235
	5.750	25.9672	92.499	2.6979	160	4625	135	5550	162	6475	189	7400	216
	5.500	23.7583	84.631	2.4684	175	4232	123	5078	148	5924	173	6771	197

### Features/Benefits

#### GASO DUPLEX PISTON PUMPS

gas opines must be approved in writing. THE INFORMATION CONTAINED HERE IS TRANSCRIBED FROM A GASO TECHNICAL MANUAL FROM THE 1960s - 70s. IEQ INDUSTRIES OR THE CUSTODIANS OF THIS WEBSITE ARE NOT RESPONSIBLE FOR ITS CONTENT.

## 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 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.* Molybdenum 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, steel 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 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.

## Disclaimer I

This website is intended as a reference tool only. It has been constructed from published data that is based on manufacturer's sales and engineering documents that are either current, historical and obsolete. Much of the machinery data contained herein has been re-rated through the years with different engineering criteria which maybe in conflict with legacy data. Much of the content published here is calculated online with the use of dynamic data using formulas and extrapolations considered to be sound engineering formulas and are correct to the degree that the data used is accurate. We have done our best to be as precise as as possible in this posting but do not represent any of the calculations or performance data to be entirely accurate. The data published here is intended to be general information rather than actual and to serve as a reference rather than a technical absolute. The user of such data should confirm such information independently.

---

### Copyright and Disclaimers

WheatleyGas.com is your resource for Gaso pumps, Gaso pump parts and a supplier of ORIGINAL GASO PARTS and equipment, new used and remanufactured Wheatley, GASO and Wheatley/GASO plunger and piston pumps and pump parts and is not affiliated with Wheatley/GASO Inc. or its parent company, National Oilwell Varco, Copyright ©2024 IEQ Industries, a Gallagher Fluid Handling Company. All rights reserved, \*Used under license from IntelleQ Holdings, LLC.