#### NEW, USED, AND REFURBISHED PUMPS AND PARTS

# WHEATLEYGASO.COM

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

IEQ Industries Ltd PO Box 230097 Grand Rapids, MI 49523

Phone: 800.544.9053 | 616.452.6882

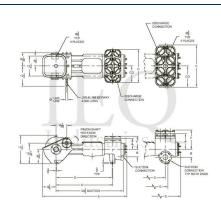
# Wheatley, 545, Duplex, Piston Pump (Mud Pump)

# **Pumps in this series**

<u>535</u> <u>545</u>

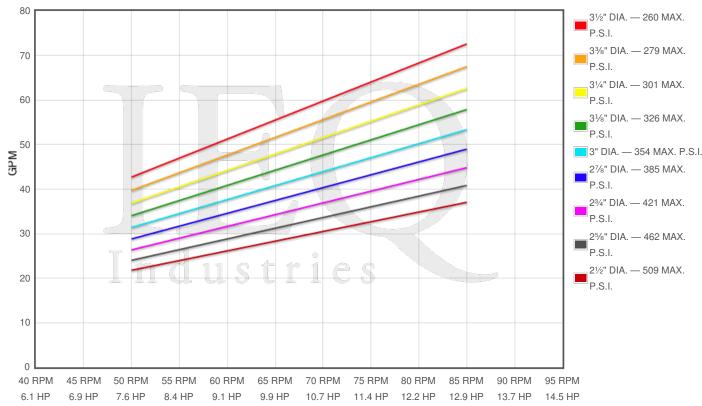
## **Specs**

Spec U.S. Standard duplex Type: Minimum Piston Diameter: 21/2" Maximum Piston Diameter: 31/2" Stroke length: 51/8" Maximum Working Pressure: 509 PSI Rod/Piston Load: 2500lb Gallons per Minute: 117.0 Barrels per Day: 4011 Brake Horse Power: 12.4



## **Pump Curves**

### **Hover over Power Curves to reveal RPM and GPM**



# **Performance Data Table**

Pump	dustrie English Units				l n d u	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	GРM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM
545	3.500	9.6211	29.274	0.8538	260	1464	43	1756	51	2049	60	2342	68	2488	73
	3.375	8.9462	27.220	0.7939	279	1361	40	1633	48	1905	56	2178	64	2314	67
	3.250	8.2958	25.241	0.7362	301	1262	37	1515	44	1767	52	2019	59	2146	63
	3.125	7.6699	23.337	0.6807	326	1167	34	1400	41	1634	48	1867	54	1984	58
	3.000	7.0686	21.507	0.6273	354	1075	31	1290	38	1506	44	1721	50	1828	53
	2.875	6.4918	19.752	0.5761	385	988	29	1185	35	1383	40	1580	46	1679	49
	2.750	5.9396	18.072	0.5271	421	904	26	1084	32	1265	37	1446	42	1536	45
	2.625	5.4119	16.467	0.4803	462	823	24	988	29	1153	34	1317	38	1400	41
	2.500	4.9087	14.936	0.4356	509	747	22	896	26	1046	30	1195	35	1270	37

## Features/Benefits

- · Cast iron power frame
- Ductile iron crankshaft
- Heavy-duty roller crankshaft bearings
- Bi-metal crankpin bearings
- Ductile iron connecting rods
- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Internal gear reduction / 4.933:1 Ratio / with:
  - o Ductile iron herringbone type main gear
  - o Alloy steel pinion shaft with herringbone pinion gear
  - o Heavy-duty roller pinion shaft bearings
- Flooded sump, splash distribution lubrication
- Rated rod load is 2500 lbs
- · Cast iron crossheads with upper/lower oil grooves

#### Fluid End Features

- Bolted Valve and Cylinder Head Covers
- Bolted type glands and removable stuffing boxes
- File Hard Steel Piston Rods
- Valve Types
  - o Steel wing guided valve & seat-Crude Oil Transfer
  - Steel wing guided w/replaceable insert for slush service
- Piston Types for crude oil transfer:
  - o Cast iron piston body, ring type
  - o Cast iron, chrome faced, piston rings
- For slush / mud service:
  - Mission slush type piston w/ replaceable rubbers
- General service piston rod packingÃ,Â

#### 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

Wheatley/Gaso.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 Å@2024 IEQ Industries, a Gallagher Fluid Handling Company. All rights reserved, \*Used under license from IntelleQ Holdings, LLC.