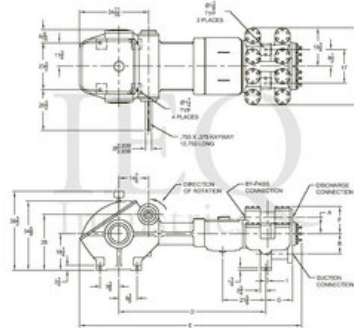


## GasO, 1759, Duplex, Piston Pump (Mud Pump)

- 130 horsepower 10" stroke continuous duty double acting duplex pump
- Rated at pump speeds up to 85 RPM
- Maximum discharge pressures up to 1042 psi
- Equipped with cast iron or cast steel fluid ends
- Equipped with internal gear reduction unit

### Specs

| Spec                      | U.S. Standard |
|---------------------------|---------------|
| Type:                     | duplex        |
| Minimum Piston Diameter:  | 4"            |
| Maximum Piston Diameter:  | 7½"           |
| Stroke length:            | 10"           |
| Maximum Working Pressure: | 1,042 PSI     |
| Rod/Piston Load:          | 13100lb       |
| Gallons per Minute:       | 637.2         |
| Barrels per Day:          | 21850         |
| Brake Horse Power:        | 130.0         |



### Features/Benefits

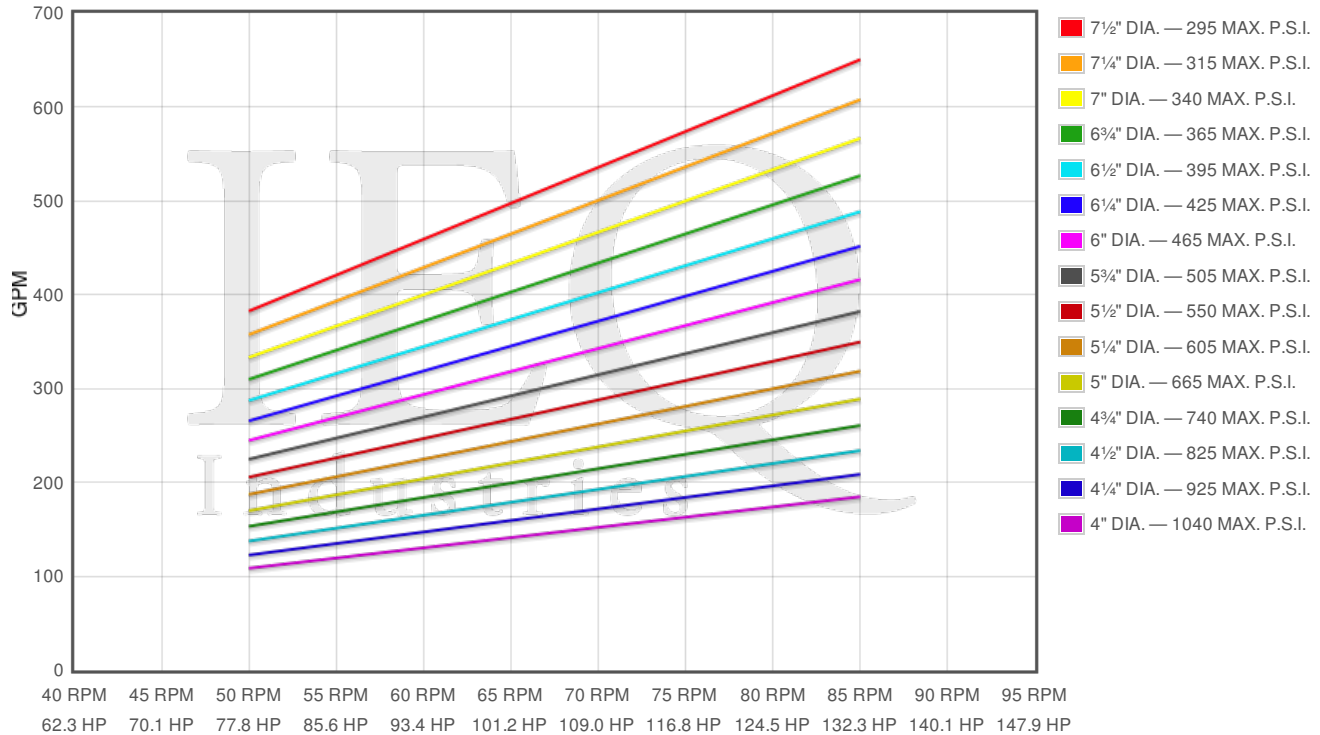
#### Power End Features

- Cast iron power frame
- Steel crankshaft
- Bi-metal crankpin bearings
- Ductile iron connecting rods
- Heavy-duty roller crankshaft bearings
- Alloy steel crosshead pins
- Bronze bearing crosshead pin bushings
- Internal gear reduction / 5.846:1/ Ratio/ with:
  - Ductile iron herringbone type main gear
  - Allow steel pinion shaft with herringbone pinion gear
  - Heavy-duty roller pinion shaft bearings
- Flooded sump, splash distribution and lubrication
- Cast iron crossheads with upper/lower oil grooves
- Rated rod load is 131000 lbs.

#### Fluid End Features

- Bolted Valve and Cylinder head covers
- Bolted or threaded type glands & removable stuffing boxes
- File hard steel piston rods
- Standard valve types
  - For crude oil transfer:
    - Steel wing guided valve & seat
  - For slush / mud service:
    - Steel wing guided with replaceable insert
- Standard Valve Types:
  - For crude oil transfer:
    - Cast iron piston body, ring type
    - Cast iron, chrome faced, piston rings

- For slush / mud service:
  - Mission slush type piston w/ replaceable rubbers
- General service piston rod packing



| 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   |
| 1759 | 7.500            | 44.1786              | 262.285     | 7.6500      | 297            | 13110  | 382.5 | 15740  | 459.0 | 18360  | 535.5 | 20980  | 612.0 | 22290  | 650.2 |
|      | 7.000            | 38.4845              | 228.479     | 6.6640      | 340            | 11420  | 333.2 | 13710  | 399.8 | 15990  | 466.5 | 18280  | 533.1 | 19420  | 566.4 |
|      | 6.500            | 33.1831              | 197.005     | 5.7460      | 395            | 9850   | 287.3 | 11820  | 344.8 | 13790  | 402.2 | 15760  | 459.7 | 16750  | 488.4 |
|      | 6.000            | 28.2743              | 167.862     | 4.8960      | 463            | 8393   | 244.8 | 10070  | 293.8 | 11750  | 342.7 | 13430  | 391.7 | 14270  | 416.2 |
|      | 5.500            | 23.7583              | 141.051     | 4.1140      | 551            | 7053   | 205.7 | 8463   | 246.8 | 9874   | 288.0 | 11280  | 329.1 | 11990  | 349.7 |
|      | 5.000            | 19.6350              | 116.571     | 3.4000      | 667            | 5829   | 170.0 | 6994   | 204.0 | 8160   | 238.0 | 9326   | 272.0 | 9909   | 289.0 |
|      | 4.500            | 15.9043              | 94.423      | 2.7540      | 824            | 4721   | 137.7 | 5665   | 165.2 | 6610   | 192.8 | 7554   | 220.3 | 8026   | 234.1 |
|      | 4.000            | 12.5664              | 74.606      | 2.1760      | 1042           | 3730   | 108.8 | 4476   | 130.6 | 5222   | 152.3 | 5968   | 174.1 | 6341   | 185.0 |

**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,