

GasO, 1654-C, Duplex, Piston Pump (Mud Pump)

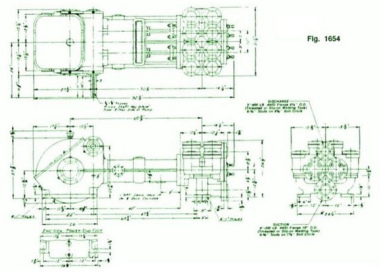
Pumps in this series

[1654](#)
[1654-C](#)

- 104 horsepower 8" stroke continuous duty double acting duplex pump
- Rated at pump speeds up to 90 RPM
- Maximum discharge pressures up to 1800 psi
- Equipped with cast iron or cast steel fluid ends
- Equipped with internal gear reduction unit

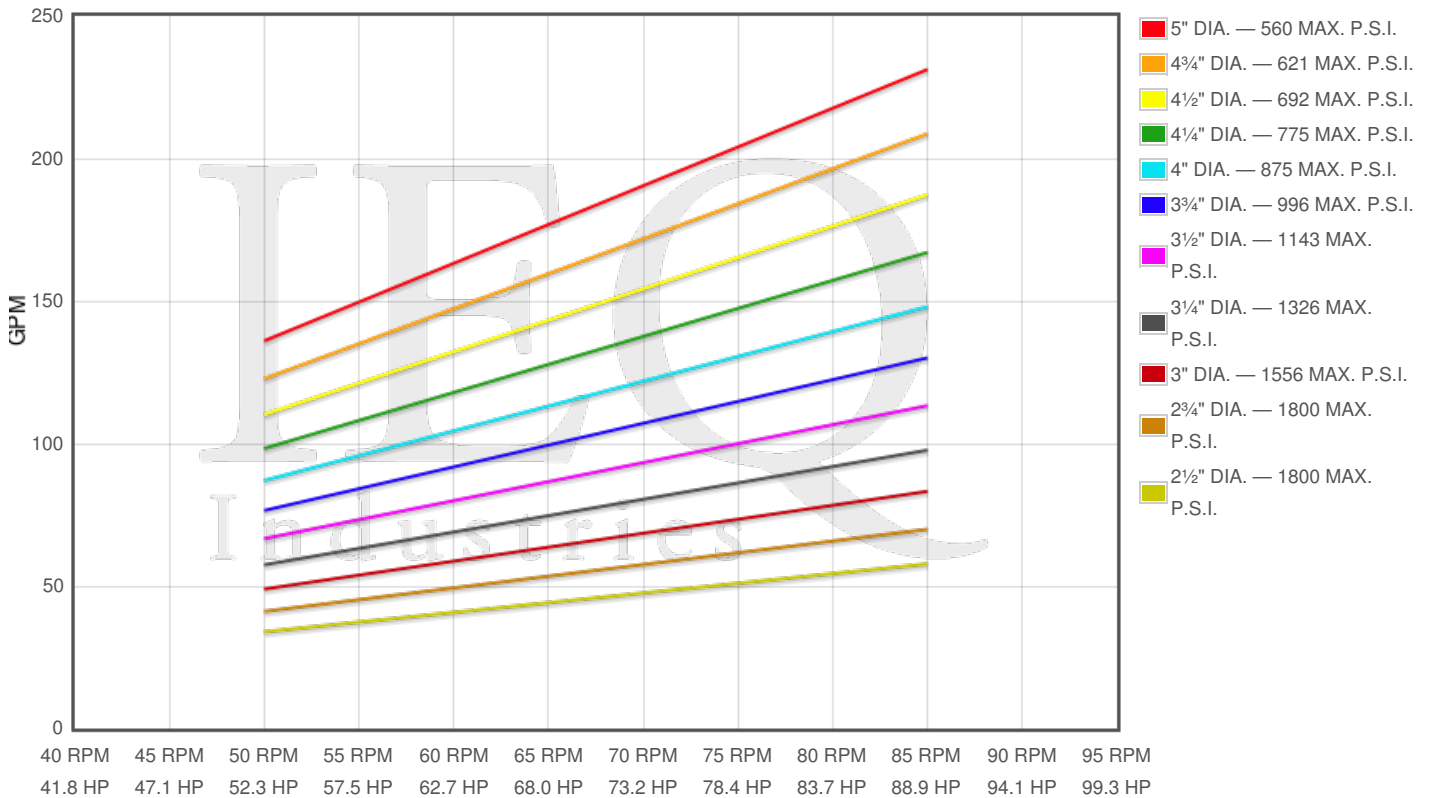
Specs

| Spec | U.S. Standard |
|---------------------------|---------------|
| Type: | duplex |
| Minimum Piston Diameter: | 2½" |
| Maximum Piston Diameter: | 5" |
| Stroke length: | 8" |
| Maximum Working Pressure: | 1,800 PSI |
| Rod/Piston Load: | 11000lb |
| Gallons per Minute: | 234.0 |
| Barrels per Day: | 8023 |
| Brake Horse Power: | 97.8 |



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 | | 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 |
| 1654-C | 5.000 | 19.6350 | 93.257 | 2.7200 | 560 | 4663 | 136 | 5595 | 163 | 6528 | 190 | 7461 | 218 | 7927 | 231 |
| | 4.750 | 17.7205 | 84.164 | 2.4548 | 621 | 4208 | 123 | 5050 | 147 | 5892 | 172 | 6733 | 196 | 7154 | 209 |
| | 4.500 | 15.9043 | 75.538 | 2.2032 | 692 | 3777 | 110 | 4532 | 132 | 5288 | 154 | 6043 | 176 | 6421 | 187 |
| | 4.250 | 14.1863 | 67.378 | 1.9652 | 775 | 3369 | 98 | 4043 | 118 | 4717 | 138 | 5390 | 157 | 5727 | 167 |
| | 4.000 | 12.5664 | 59.684 | 1.7408 | 875 | 2984 | 87 | 3581 | 104 | 4178 | 122 | 4775 | 139 | 5073 | 148 |
| | 3.750 | 11.0447 | 52.457 | 1.5300 | 996 | 2623 | 76 | 3147 | 92 | 3672 | 107 | 4197 | 122 | 4459 | 130 |
| | 3.500 | 9.6211 | 45.696 | 1.3328 | 1143 | 2285 | 67 | 2742 | 80 | 3199 | 93 | 3656 | 107 | 3884 | 113 |
| | 3.250 | 8.2958 | 39.401 | 1.1492 | 1326 | 1970 | 57 | 2364 | 69 | 2758 | 80 | 3152 | 92 | 3349 | 98 |
| | 3.000 | 7.0686 | 33.572 | 0.9792 | 1556 | 1679 | 49 | 2014 | 59 | 2350 | 69 | 2686 | 78 | 2854 | 83 |
| | 2.750 | 5.9396 | 28.210 | 0.8228 | 1800 | 1411 | 41 | 1693 | 49 | 1975 | 58 | 2257 | 66 | 2398 | 70 |
| 2.500 | 4.9087 | 23.314 | 0.6800 | 1800 | 1166 | 34 | 1399 | 41 | 1632 | 48 | 1865 | 54 | 1982 | 58 | |

Features/Benefits

Power End Features

- Cast iron power frame
- Steel crankshaft
- Heavy-duty crankshaft bearings
- Ductile iron connecting rods
- Allow steel crosshead pins
- Bronze bearing crosshead pin bushings

Internal gear reduction / 4.750:1 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 lubrication
- Cast iron crossheads with upper/lower oil grooves
- Rated rod load is 12680 lbs.

Fluid End Features

- Bolted valve cylinder head covers
- Bolted or threaded type glands and removable stuffing boxes
- File hard steel piston rods
- Standard valve types:
 - For crude oil transfer:
 - Steel wing guided valve and seat
 - For slush/mud service:
 - Steel wing guided with replaceable insert
- Standard piston 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

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