

Gasol, 1847-A, Duplex, Piston Pump (Mud Pump)

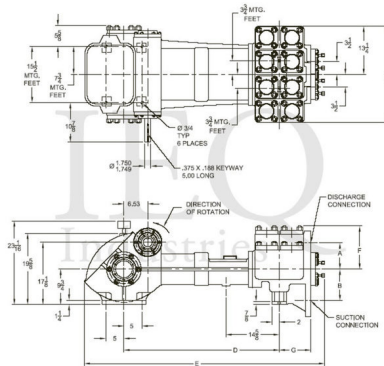
Pumps in this series

1847-A

- 33 horsepower 6" stroke continuous duty double acting duplex pump
- Rated at pump speeds up to 100 RPM
- Maximum discharge pressures up to 990 psi
- Equipped with cast iron or cast steel fluid ends
- Equipped with internal gear reduction unit

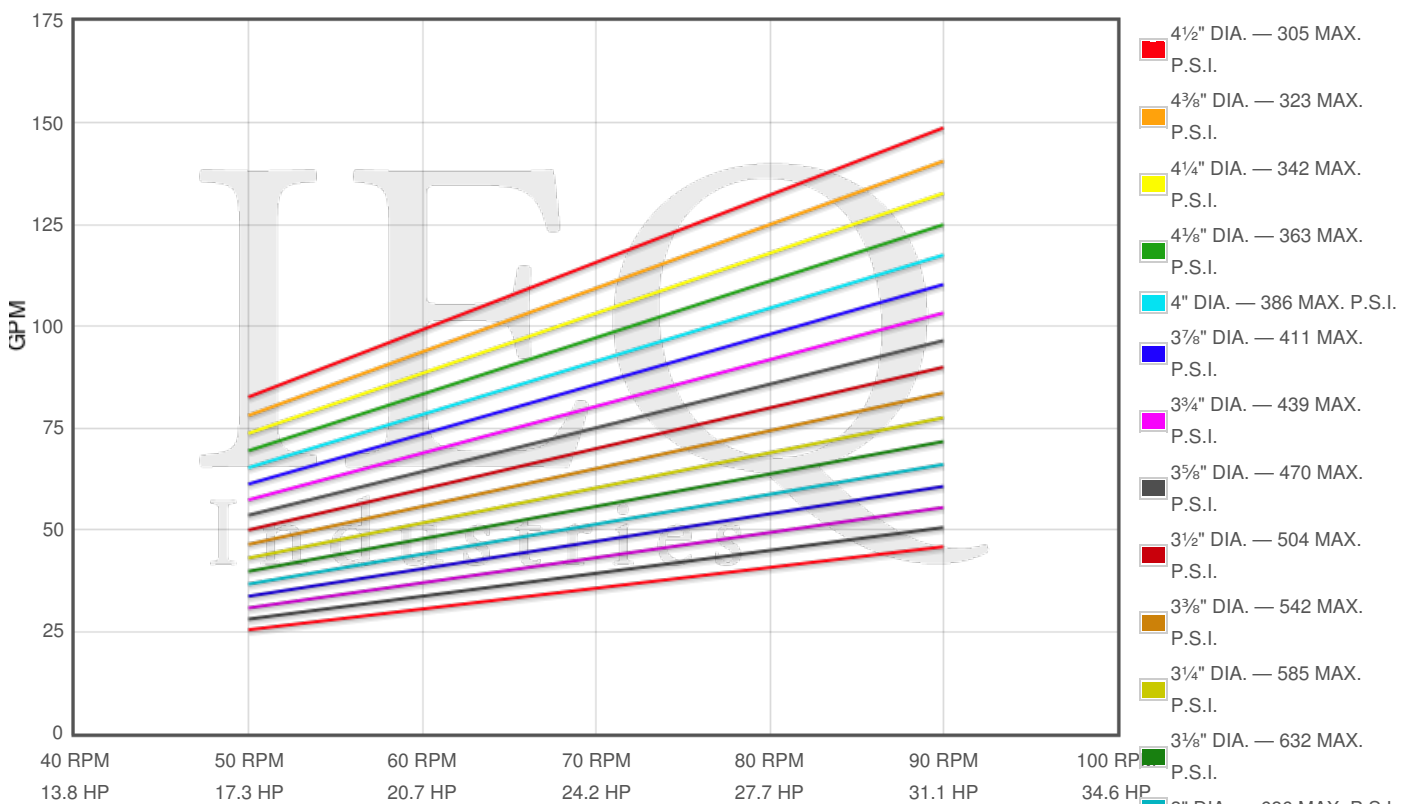
Specs

| Spec | U.S. Standard |
|---------------------------|---------------|
| Type: | duplex |
| Minimum Piston Diameter: | 2½" |
| Maximum Piston Diameter: | 4½" |
| Stroke length: | 6" |
| Maximum Working Pressure: | 990 PSI |
| Rod/Piston Load: | 4850lb |
| Gallons per Minute: | 160.0 |
| Barrels per Day: | 5486 |
| Brake Horse Power: | 31.0 |



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 | | 90 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 |
| | | | | | | | | | | | | | | | |
| 1847-A | 4.500 | 15.9043 | 56.654 | 1.6524 | 305 | 2833 | 83 | 3399 | 99 | 3966 | 116 | 4532 | 132 | 5099 | 149 |
| | 4.250 | 14.1863 | 50.534 | 1.4739 | 342 | 2527 | 74 | 3032 | 88 | 3537 | 103 | 4043 | 118 | 4548 | 133 |
| | 4.000 | 12.5664 | 44.763 | 1.3056 | 386 | 2238 | 65 | 2686 | 78 | 3133 | 91 | 3581 | 104 | 4029 | 118 |
| | 3.750 | 11.0447 | 39.343 | 1.1475 | 439 | 1967 | 57 | 2361 | 69 | 2754 | 80 | 3147 | 92 | 3541 | 103 |
| | 3.500 | 9.6211 | 34.272 | 0.9996 | 504 | 1714 | 50 | 2056 | 60 | 2399 | 70 | 2742 | 80 | 3085 | 90 |
| | 3.250 | 8.2958 | 29.551 | 0.8619 | 585 | 1478 | 43 | 1773 | 52 | 2069 | 60 | 2364 | 69 | 2660 | 78 |
| | 3.000 | 7.0686 | 25.179 | 0.7344 | 686 | 1259 | 37 | 1511 | 44 | 1763 | 51 | 2014 | 59 | 2266 | 66 |
| | 2.750 | 5.9396 | 21.158 | 0.6171 | 817 | 1058 | 31 | 1270 | 37 | 1481 | 43 | 1693 | 49 | 1904 | 56 |
| | 2.500 | 4.9087 | 17.486 | 0.5100 | 988 | 874 | 25 | 1049 | 31 | 1224 | 36 | 1399 | 41 | 1574 | 46 |

Features/Benefits

Power End Features

- 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 / 5.100:1 Ratio / with
 - Ductile iron herringbone type main gear
 - Alloy steel pinion shaft with herringbone pinion gear
 - Heavy-duty roller pinion shaft bearings
- Flooded sump, splash distribution lubrication
- Rated rod load is 4850 lbs
- Cast iron crossheads with upper/lower oil grooves

Fluid End Features

- Bolted Valve and Cylinder Head Covers
- Bolted valve and 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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