

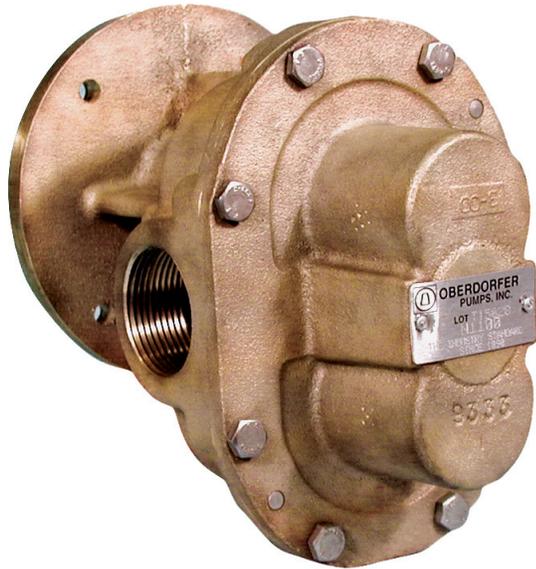


OBERDORFER PUMPS

by Gardner Denver

Bronze Close Coupled Rotary Gear Pumps N1100 Series

1 1/4" NPT Ports Standard



Refer to Model No. N11HDL for pedestal model and performance at different speeds.

FEATURES:

- Bronze Construction with Stainless Steel Shafts
- Positive Spring Loaded Lip Seal made from FKM
- Available with Motor Adapter and Hardware
- Easy Field Assembly to Motors
- Self-Lubricating Carbon Bearings
- Consult Factory for Special Motors

LIQUIDS AND TEMPERATURE:

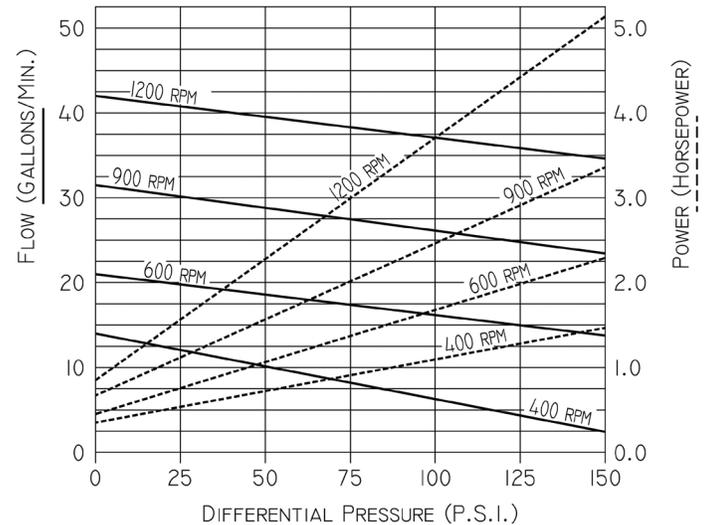
Service life will be increased substantially if liquid pumped is clean and has lubricity value. These pumps have extremely close tolerance. Fine abrasives like sand, silt, or powders in suspension will destroy pumping ability.

Liquids compatible with bronze, stainless steel, and a FKM lip seal can be pumped, check with Oberdorfer factory. NBR Lip Seal (S3) available.

Temperature extremes are detrimental to service life and should be avoided. Temperature range for this pump is from -20°F to 300° F. Freezing liquid in the pump can deform or damage the pump.

PERFORMANCE:

CAPACITY WATER AT 70°F



DRIVE:

The pump is driven directly from the electric motor shaft by means of a flexible coupling. An aluminum adapter connects the pump to the motor.

SUCTION LIFT:

A rotary gear pump is capable of lifting water on the suction side as high as 20 feet. Though gear pumps are self-priming, a foot valve is recommended. If possible, wet gears with the liquid to be pumped for the first dry start. Liquid retained in the system and gear chambers serves to wet the pump on subsequent starts.

ROTATION:

The pump or pump/motor unit is supplied by the factory for shaft rotation in either direction. Reversing the motor rotation will reverse the “in” and “out” ports.

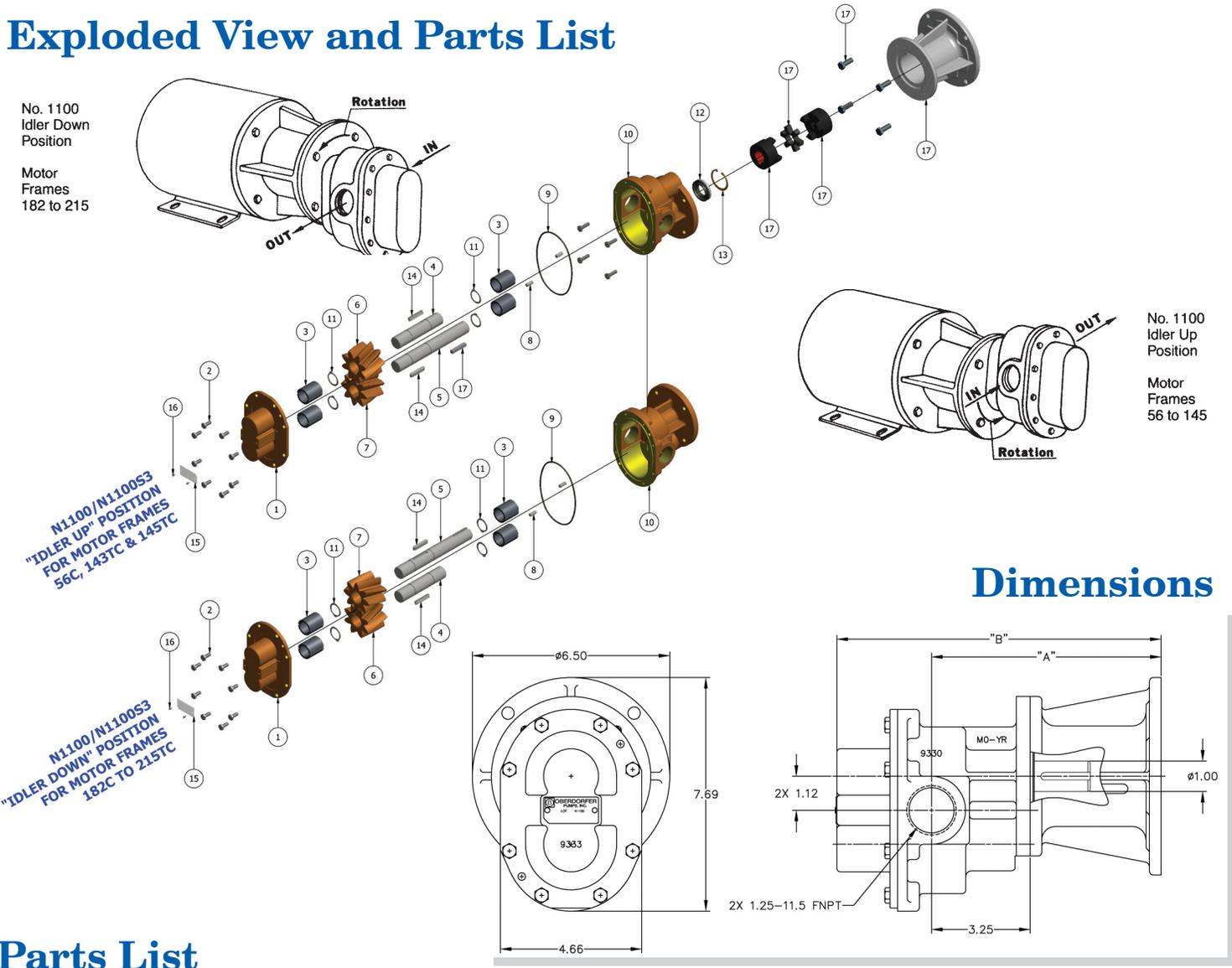
To reverse single phase motors, find instructions on the inside of junction box cover or on name plate of motor.

Three phase motors are not wired for any particular rotation. They can be reversed by interchanging any 2 wires of the 3 wire leads.

Bronze Close Coupled Rotary Gear Pumps

N1100 Series

Exploded View and Parts List



Parts List

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | Repair Kit |
|---------|----------|--------------|---------|------------|-------------|-----------|------------|------------|----------|----------|-----------|--------------|-----------|--------|--------|-----------|--------------|------------|
| | Cover | Cover Screws | Bearing | Idle Shaft | Drive Shaft | Idle Gear | Drive Gear | Dowel Pins | O-Ring | Body | Ret. Ring | Lip Seal | Ret. Ring | Key | Tag | Tag Screw | Adapter Kits | Repair Kit |
| Model | Qty. 1 | Qty. 8 | Qty. 4 | Qty. 1 | Qty. 1 | Qty. 1 | Qty. 1 | Qty. 2 | Qty. 1 | Qty. 1 | Qty. 4 | Qty. 1 | Qty. 1 | Qty. 2 | Qty. 1 | Qty. 2 | Adapter Kits | Repair Kit |
| N1100 | | | | | | | | | | | | | | | | | See Below | 11581 |
| N1100S3 | 9333NN5N | 5393 | 5108 | 7652 | 8720 | 9834 | 9833 | 8597 | 9797-158 | 9330NG3N | 7651 | 7262 6500 | 7345 | 6518 | 9344 | 9345 | See Below | 11585 |

Repair Kit contains items 3, 4, 5, 6, 7, 9, 11, 12, 13 & 14

| Adapter Kits | | |
|--------------|-------------|---------------------------|
| Adapter | Part Number | Description |
| W | 11617 | 56C Frame |
| X | 11608 | 143TC, 145TC, 182C & 184C |
| Y | 11609 | 182TC, 184TC, 213C & 215C |
| Z | 11610 | 213TC & 215TC |

| Motor/Adapter Kit Dimensions (mm) | | | |
|-----------------------------------|---------------------------|-------|-------|
| Model | Motor Frame | "A" | "B" |
| N1100EW & N1100ES3W | 56C | 192.0 | 271.3 |
| N1100EX & N1100ES3X | 143TC, 145TC, 182C & 184C | 192.0 | 271.3 |
| N1100EY & N1100ES3Y | 182TC, 184TC, 213C & 215C | 212.9 | 292.1 |
| N1100EZ & N1100ES3Z | 213TC & 215TC | 212.9 | 292.1 |



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Visit www.oberdorferpumps.com to find in-depth descriptions of the world's leading high-quality, dependable pumps.

Due to ongoing product improvements, data shown here is subject to change without notice. Contact Oberdorfer Pumps for latest specifications.