



OBERDORFER PUMPS

by Gardner Denver

Bronze Close Coupled Rotary Gear Pumps

N1300 Series

1 1/2" NPT Ports Standard



Refer to Model No. N13HDL for pedestal model.

Pump No.	Description
N1300	Pump Only
N1300T	Pump, bracket and hardware for mounting to the following motor frames: IEC132
N1300Y	Pump, bracket and hardware for mounting to the following motor frames: 182TC, 184TC, 213C, 215C
N1300Z	Pump, bracket and hardware for mounting to the following motor frames: 213TC, 215TC

FEATURES:

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

LIQUIDS AND TEMPERATURE:

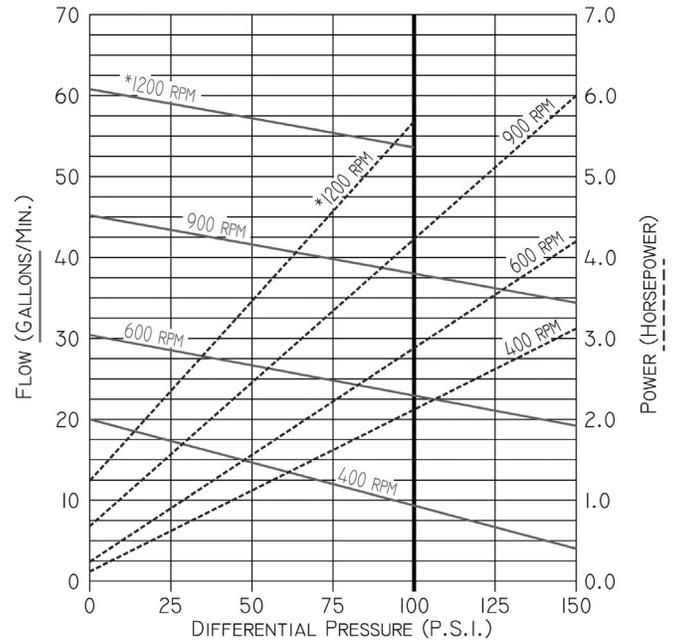
Service life will be increased substantially if liquid pumped is clean and has lubricity value. These pumps have extremely close tolerance. Fine abrasives like sand, silt, or powders in suspension will destroy pumping ability.

Liquids compatible with bronze, stainless steel, and a FKM lip seal can be pumped. Check a chemical compatibility chart or Oberdorfer factory. Acrylonitrile-Butadiene (NBR) Lip Seal (S3) available.

PERFORMANCE:

CAPACITY WATER AT 60°F

*INTERMITTENT DUTY ONLY



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.

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.

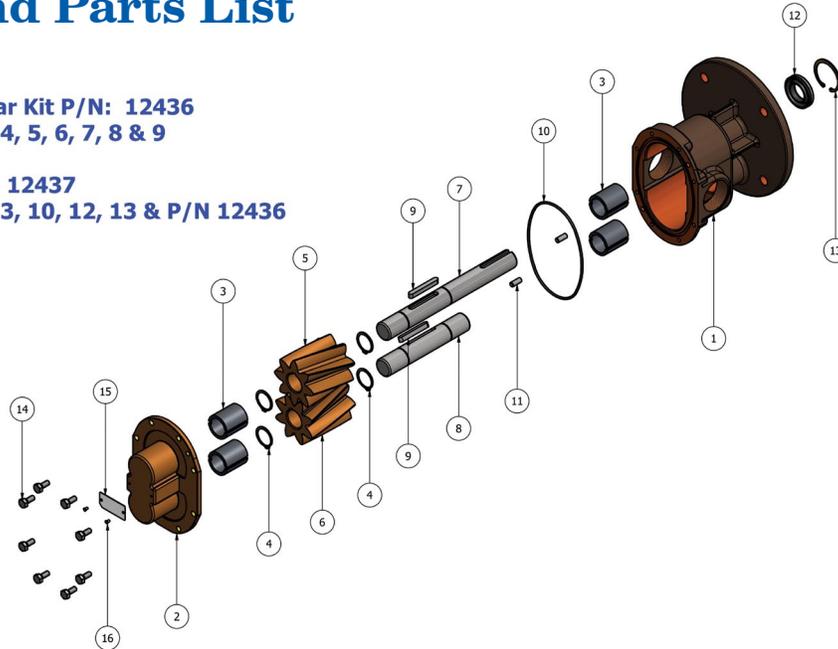
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Exploded View and Parts List

Drive & Idle Gear Kit P/N: 12436
Contains Items 4, 5, 6, 7, 8 & 9

Repair Kit P/N: 12437
Contains Items 3, 10, 12, 13 & P/N 12436



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Repair Kit
	Body	Cover	Bearing	Retaining Ring	Drive Gear	Idle Gear	Drive Shaft	Idle Shaft	Key	O-Ring	Dowel Pin	Lip Seal	Retaining Ring	Screw	Tag	Tag Screw	
Model	Qty. 1	Qty. 21	Qty. 4	Qty. 4	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 2	Qty. 1	Qty. 2	Qty. 1	Qty. 1	Qty. 8	Qty. 1	Qty. 2	12437
N1300	3511PH3N	9333NN5N	5108	7651	9854	9855	3512	7653	5975	9797-158	8597	7262	7345	5393	9344	9345	

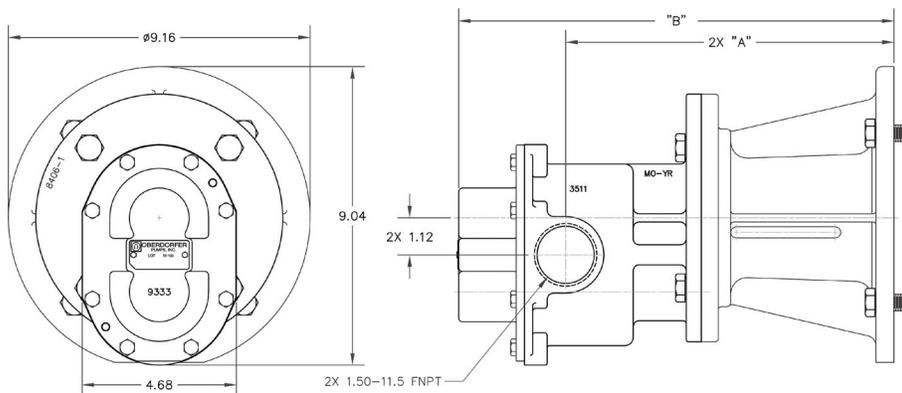
* Drive & Idle Gear Kit P/N 12436 - Contains items 4, 5, 6, 7, 8 & 9. Repair Kit #12437 contains items 3, 10, 12, 13 & P/N 12436

Example

N1300	Y	W96
Basic Pump	Mounting Adapter Kit (fits 184TC Motor Frame)	2HP 3 Phase Motor Code

Kit Code	Kit No.	Will Fit NEMA Motor Frames	Motor Pilot Diameter	Motor Shaft Dia. Ref.	"A"	"B"
T	11304	IEC132	230 mm	38 mm	10.50"	13.80"
Y	12440	182TC, 184TC, 213C, 215C	8.50"	1 1/8"	10.00"	13.20"
Z	12441	213TC, 215TC	8.50"	1 3/8"	10.00"	13.20"

Dimensions



Motor Data

Horse Power	Motor Code	Single Phase Part No.	Three Phase Part No.	NEMA Frame Size
2	W46	8548	----	184TC
	W96	----	8490	184TC
3	Y46	5846	----	213TC
	Y96	----	8547	213TC
5	----	----	----	----
	X96	----	8689	213TC



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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.