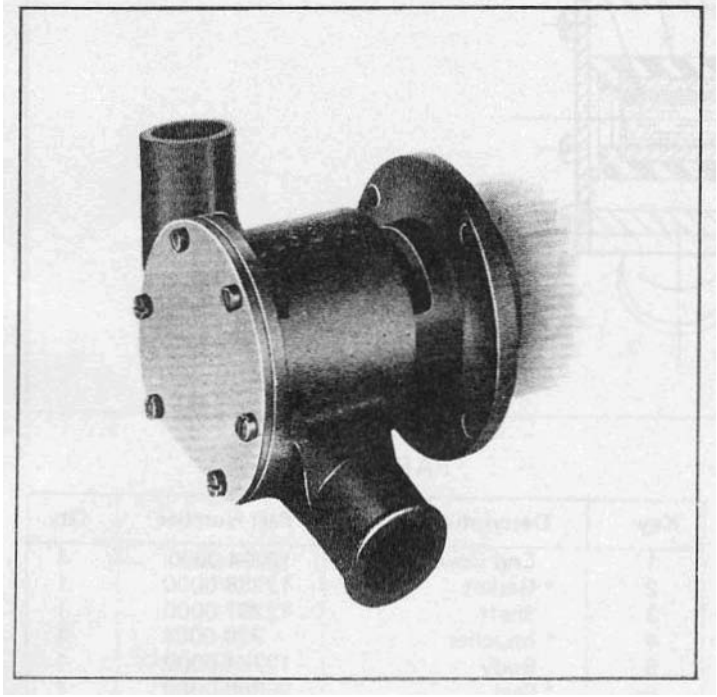
JABSCO

# Model 12280-0001



## SELF·PRIMING PUMPS

### FEATURES

| | |
|---|---|
| Body: | Bronze |
| Impeller: | Jabsco Neoprene Compound |
| Shaft: | Stainless Steel |
| Shaft Seal: | Carbon-Ceramic Face Type |
| Ports: | 1¼" (32mm) Slip-On Hose |
| Weight: | 5¾ lbs. (2.6 kg) Approximate |

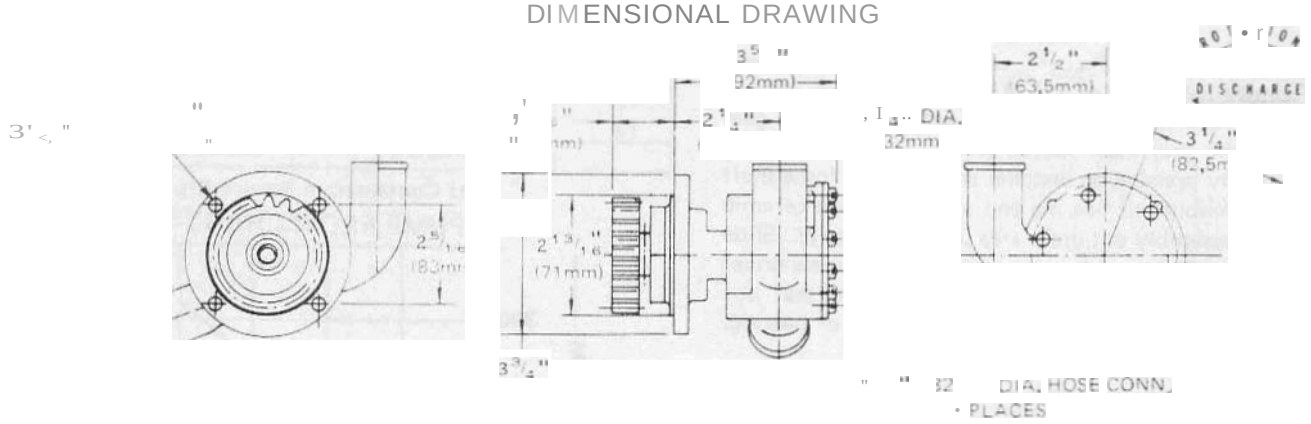
Model 12280-0001

### APPLICATION

Marine Engine Cooling

For Owens Flagship V-8 Engines from 1959 to 1970 (center-mounted pumps only).
For Flagship Marine Engines - 283 cu. in., 327 cu. in. and 350 cu. in.

### DIMENSIONAL DRAWING



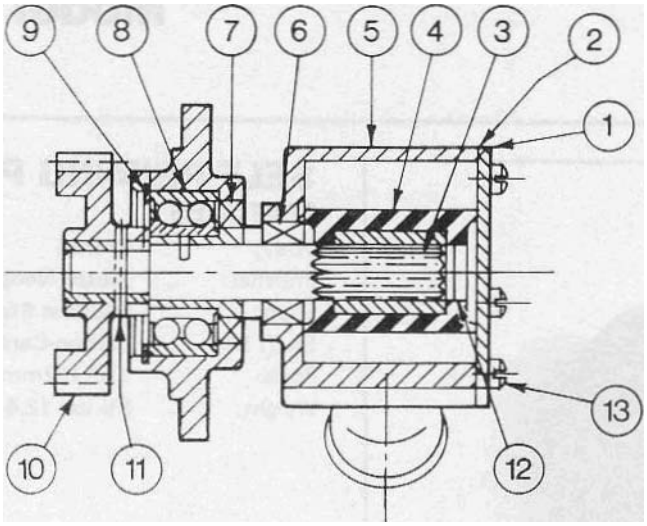

### INSTALLATION

Make sure flange seals squarely on mounting surface and bolt to engine. Connect inlet and outlet fittings. Intake and discharge piping of the engine must correspond with the proper port markings on the pump. NOTE. The 12280-0001 pump may also be used to replace the gear pump on earlier Flagship V-8's. The inlet port is tapped for ¼" I.P.T. Use pipe compound or teflon tape on threads and install a ¾" nipple for 1" I.D. hose connection from oil cooler to pump inlet. Connect discharge port with 1¼" I.D. hose to a tee (1¼" x ½" x ¾" I.D. hose) in order to split water flow to each engine bank.

### OPERATION

Pump will self prime at low or high speeds. Make sure scoop and inlet line are clear and all connections airtight. Do not run pump dry for more than 30 seconds. Lack of water flow may damage impeller. To drain pump, loosen end cover screws.

## CROSS·SECTION VIEW




## SERVICE INSTRUCTIONS

**Impeller Replacement:** Remove end cover and gasket. Pull impeller Qut by grasping hub or blades with pliers. ReplacE Impeller, gasket and end cover. A tight coating of grease in impeller bore will aid priming on dry start up. Use correct Jabsco gasket; a thicker 01 thinner gasket may cause impeller damage. Standard gasket is 0.010" thick,

**Major Repair:** Remove pump flom engine to replace seal assembly, bearings, or shaft.

**Disassembly:** Remove end cover and gasket. Remove impeller. Remove roll pin (Key 11). Using a gear puller, remove drive gear from shaft without damaging gear (if teeth on gear are damaged, the gear must be replaced). Remove retaining ring (Key 9). By pressing on impeller end of shaft, force shalt and bearing assembly Qut bearing end of body. Slide ceramic portion of seal assembly out drain area (center of body). Slide bearing seal (Key 7) OUt 01 bearing bore. With a screw drive" inserted through the bearing bore, drive the seal seat out through the impeller bore. Supporting inner race of bearing, press bearing off over drive end of shaft.

To Assemble: Replace worn or broken parts. lubricate bearing seal with water pump grease, or equivalent, and press into body bearing seal bore with lip facing drive end of pump. Press bearing on to welt-oiled shaft. Place shaft and bearing assembly (splined end first) into body bearing bore and press on bearing outer race until in place. Install retaining ring. Supporting splined end of shaft, press drive gear onto drive end of shaft and replace roll pin. Place ceramic portion of seal assembly *over* splined end of shaft and up against washer (flat side of ceramic seat must face impeller bore). Lubricate with water (do not use oil) to ease assembly. Lightly Permatex· 0 0 surface of seal case and with carbon facing ceramic, press on oUter edge of seal seat until flush with rear of impeller bore. lubricate impeller bore with a light coat of water pump grease and install impeller. Install gasket and end *cover.*

THE PRODUCT DESCRIBED HEREIN IS SUBJECT TO THE JABSCO ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

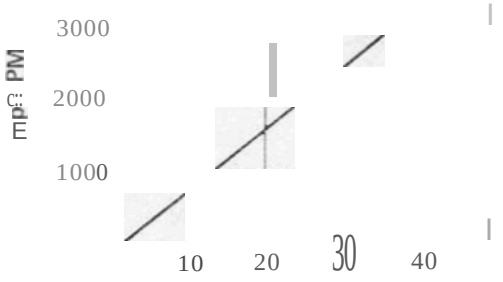
Permatex® is a trademark of Permatex Company.

## PARTS LIST

| Key | Description | Part Number | Qty. |
|---|---|---|---|
| 1 | End Cover | 12294·0000 | 1 |
| 2 | Gasket | 12288·0000 | 1 |
| 3 | Shaft | 12287·0000 | 1 |
| 4 | Impeller | 920-0001 | 1 |
| 5 | Body | 12284·0000 | 1 |
| 6 | Seal | 96080-0080 | 1 |
| ) | 8earing $eal | 913·0000 | 1 |
| 8 | Ball Bearing | 92600-0060 | 1 |
| 9 | Retaining Ring | 18724-0000 | 1 |
| 10 | Gear | 9103·0000 | I |
| 11 | Roll Pin | 93100-0040 | 1 |
| 12 | • Spline Seal | 4345-0000 | 1 |
| 13 | End Cover Screw | 91003-0010 | 6 |
| LL | Service Kit | 90155-0001 | |

• Parts Contained in Service Kit.

## PUMP FLOW CHART




Flow in U.S. GPM
Typical Flow in Average Engine Cooling Application*

*Average engine cooling applications have diKh'flle pressures of 10-15 p.s.i. and intlke vacuums of 3·5 inches of mercury.

Jabsco
1485 Dale Way · P O Box 2158
Costa Mesa CA 92628-2158
Telephone 714 545-8251


Form 43000-0141 Rev. 3 68

For technical advice or service please take your pump into your local pump service center.
To order pump or parts or for pricing please go to the following links :

Jabsco Pumps Home >>

Jabsco Pumps stock list >>