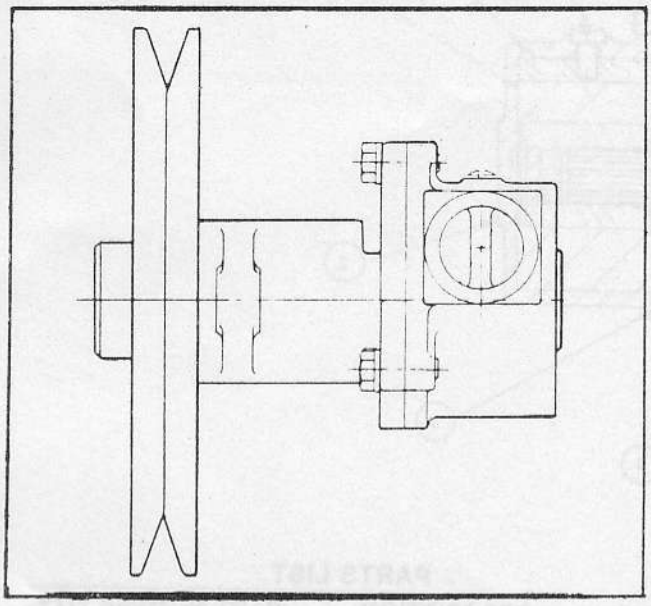
JABSCO® PUMPS

Self-priming Pumps
Engine Cooling

Model: 18940-0000

Product Data



DESIGN FEATURES

Body:	**Bronze**
Bearing Housing:	**Bronze**
Impeller:	**Jabsco Neoprene Compound**
Shaft:	**Stainless Steel**
Shaft Seal:	**Carbon-Ceramic Face Type**
Bearings:	**Sealed Ball Bearing**
Ports:	**1¼" ID Hose**
Shipping Weight:	

APPLICATIONS

This pump is designed to be a replacement engine cooling pump for the Sherwood G-5 model pump that is used on most current Chrysler gasoline engines.

It may be adapted for other engine cooling applications where the installer utilizes the appropriate mounting hardware and drive pulley.

INSTALLATION AND OPERATION

The pump may be mounted in any position. The direction of rotation of the pump determines the location of the intake and discharge ports (refer to dimensional drawings). Before installing, rotate the pump shaft in the direction of the normal operating rotation of the engine that the pump will be mounted on. The mounting bracket used to support the pump must be designed to enable adjustment of the pump position for proper drive belt tension.

Attach the pump to the mounting bracket using two 5/16" x 18 hex heads screws. The pump mounting holes are tapped to this thread size.

Put pulley drive belt over both the drive pulley and the pump pulley. An "A" section pulley belt should be sufficient to drive the 18940-0000 pump. Position the pump to allow 1/2" deflection of the drive belt midway between the engine and pump pulleys. Secure the pump mounting brackets. Attach 1-1/4" I.D. hose to the ports and clamp using two stainless steel band clamps per port (be sure to attach the water intake line to the proper pump port).

Be sure that all suction lines are air tight so that the pump will self prime. Start the engine and run at low speed. This pump depends on the water for lubrication. DO NOT RUN DRY for more than 30 seconds. Lack of water will damage the impeller. This pump is designed for liquids between 45° and 180°F. Pumping colder water will shorten impeller life.

Cooling systems should be designed so the cooling pump operates with a maximum of 15 psi output pressure.

WINTERIZING

Drain the pump by loosening the impeller housing bolts and loosening the housing. Flush cooling system with an ethylene glycol base antifreeze. **Do not use a petroleum based rust inhibitor in the pump.**

HEAD CAPACITY TABLE

TOTAL HEAD		500 RPM		1160 RPM		1750 RPM		2100 RPM		2450 RPM		3000 RPM	
Head in feet (Meters)	lbs. per Sq. Inch (Kg/sgcm)	GPM (Liter/Min)	HP	GPM Liter/Min	HP	GPM Liter/Min	HP	GPM Liter/Min	HP	GPM Liter/Min	HP	GPM Liter/Min	HP
10 (3.0)	4.3 (3.)	5 (18.9)	.06	13.5 (51.1)	.24	19.3 (73.1)	.42	22.5 (85.2)	.48	26.0 (98.4)	.61	28.7 (108.6)	.85
20 (6.1)	8.7 (.6)	4 (15.1)	.08	12.5 (47.3)	.37	18.5 (70.0)	.44	21.5 (81.4)	.52	25.0 (94.6)	.65	28.2 (106.7)	.89
30 (9.1)	13.0 (.9)	3 (11.4)	.10	11.5 (43.5)	.40	17.3 (65.5)	.45	20.0 (75.7)	.55	23.5 (88.9)	.68	27.2 (102.9)	.95
40 (12.2)	17.3 (1.2)	2 (7.6)	.12	9.7 (36.7)	.42	15.7 (59.4)	.48	18.5 (70.0)	.60	21.7 (82.1)	.73	25.7 (97.3)	1.0
50 (15.2)	21.6 (1.5)	1 (3.8)	.14	8.0 (30.3)	.45	13.8 (52.2)	.51	16.5 (62.5)	.65	19.6 (74.2)	.77	23.8 (90.1)	1.1

43000-0414

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 >>