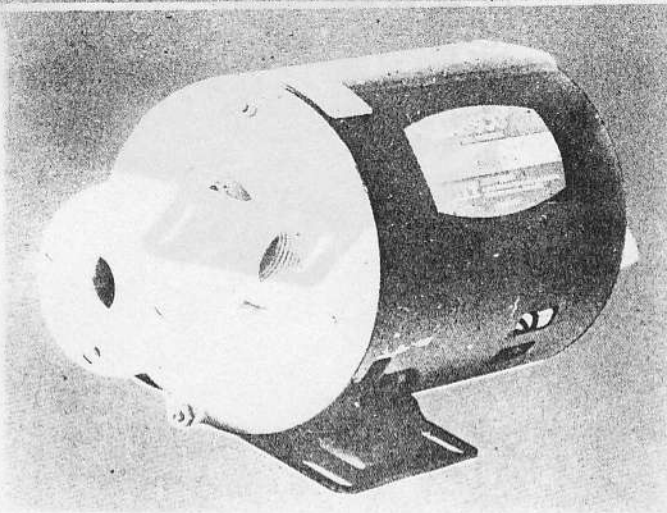


# MODEL 18580-0000

## 115V AC Centri-Puppy

### BRONZE CENTRIFUGAL



#### FEATURES

Volute Body:	<b>Bronze</b>
Ports – Inlet:	<b>3/4" NPT</b>
Discharge:	<b>3/4" NPT</b>
Impeller:	<b>Bronze</b>
Seal:	<b>Lip, Buna</b>
Motor:	<b>1/8 HP 115/1/60</b> <b>Open Drip Proof, 3450 RPM, 6 Foot,</b> <b>3 Prong Grounded Plug</b>
Weight:	<b>14 1/4 lbs. (65 kgs.)</b>

#### VARIATIONS AVAILABLE

- 18580-0001 – T.E.N.V. Motor 115/1/60
- 18580-0004 – Viton, Lip Seal
- 18580-0014 – T.E.N.V. Motor, Viton Seal

#### DESCRIPTION

The Jabsco bronze centrifugal pumps are designed for continuous duty service. The close coupled, compact motor pump units are equipped with ball bearing motors and stainless steel shafts and have service factors of 1.5 or greater. The Centri Puppy is equipped with a Lip Seal, with a choice of Buna N or Viton for application versatility. Unlike the usual Jabsco pump, the Jabsco centrifugal pumps are *not* self priming. Normal installation is flooded suction, that is, with the pump below the source liquid level so that liquid flows by gravity to the pump. The pump may be located above the liquid source, if a check valve or foot valve is installed at the beginning of the suction line; and, the pump and entire suction line if filled with liquid; and, all air is bled from the suction system. The pump will lift water approximately 15 feet on the suction side when primed and will maintain its prime, as long as the foot or check valve functions as it should, without leaking. If the check valve leaks, the pump will not reprime, and must be manually primed in order to resume operation.

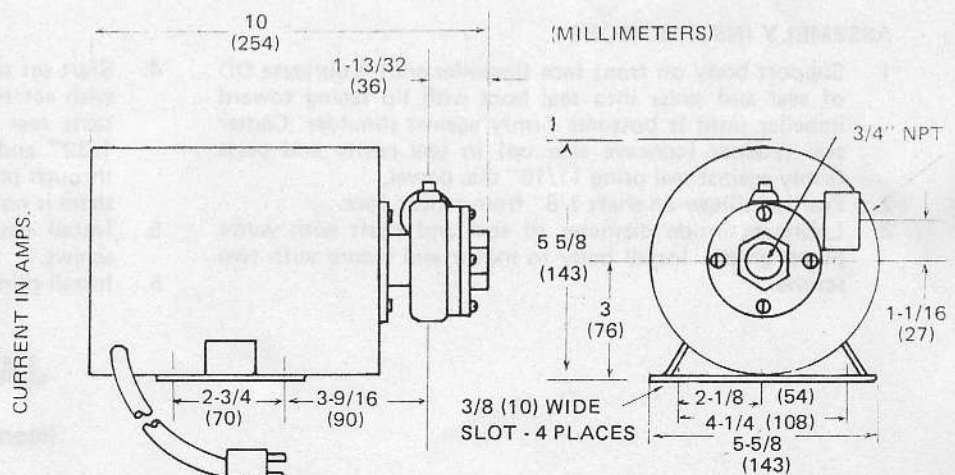
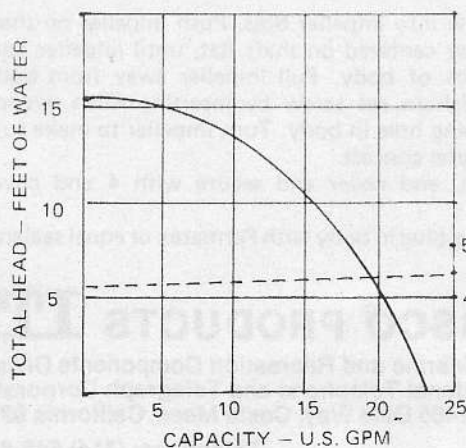
Published performance curves are based on pumping water at 68 degrees F. The motor horsepower is sufficient to provide full open discharge capacity at three (3) feet of head. As the head (pressure) against which the pump operates increases,

the load on the motor decreases, thus the discharge may be throttled without danger of overloading the motor. Liquids of higher specific gravity (weight) than water require more power to generate the same performance available with water. The horsepower requirement increases directly as the increase in specific gravity.

It is not possible to increase the horsepower of a close coupled motor pump unit, therefore, to pump a liquid of higher specific gravity, with the centrifugal motor pumps, the capacity must be limited by restricting the discharge to stay within the horsepower available. In other words, the discharge must be throttled to the extent that the motor full load amperage rating, found on the motor label, is not exceeded.

Do not operate the unit against full shut off, or seal may be damaged. In all installations, make sure the suction is not restricted. Do not use an elbow fitting in the pump intake port. Starved suction can result in cavitation which will damage the pump and cause performance deterioration.

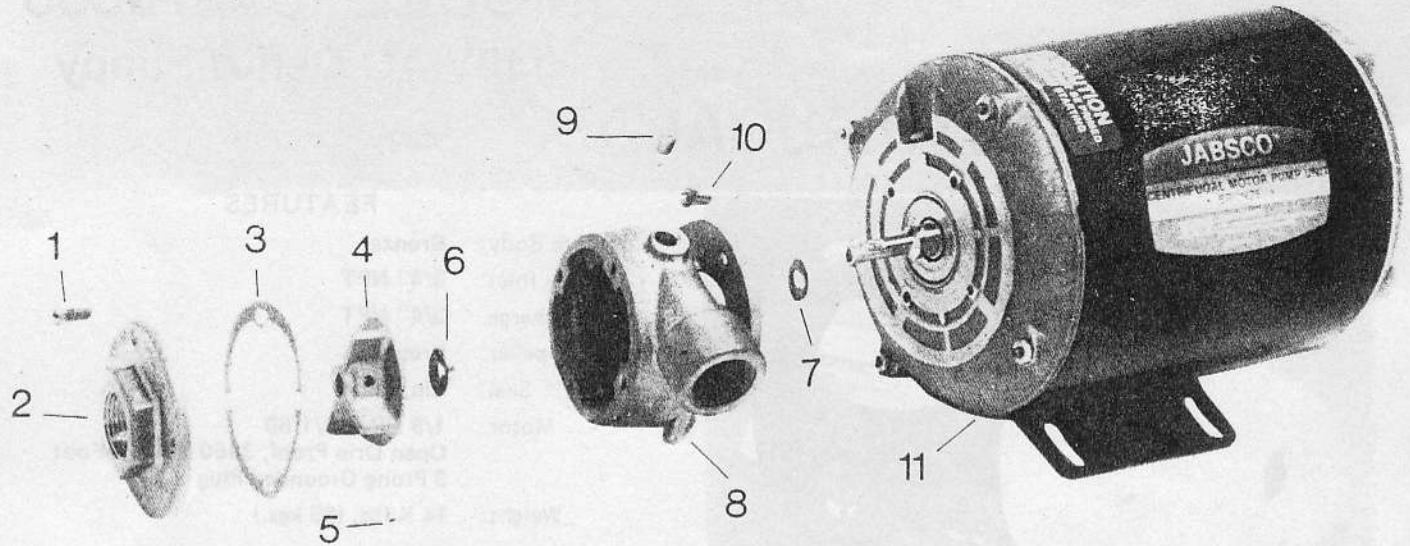
Viscous or thick liquids are difficult to pump with a small centrifugal pump. Do not attempt to pump liquids with a viscosity exceeding 1500 SSU (SAE 30 WT OIL at 75 degrees F) with a centrifugal pump. Consider, instead, the Jabsco flexible impeller pump or gear pump.



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MODEL 18580-0000

EXPLODED VIEW



PART LIST

KEY	DESCRIPTION	PART NUMBER	QTY	KEY	DESCRIPTION	PART NUMBER	QTY
1	Screw End Cover	91003-0230	4	7	Slinger	6342-0000	1
2	End Cover	18514-0000	1	8	Body - Volute	18513-0000	1
3	Gasket	18516-0000	1	9	Plug	92650-0040	1
4	Impeller	18515-0000	1	10	Screw - Motor Mtg.	98019-0020	2
5	Set Screw - Impeller	91083-0040	1	11	Motor - Open 115/1/60	93004-2614	1
6	Seal - Buna	1040-0000	1		- Tenv. 115/1/60	93004-2615	
	- Viton	1040-0001					

DISASSEMBLY INSTRUCTIONS

1. Remove end cover screws, end cover and gasket.
2. Remove drain plug from body. Insert Allen wrench through priming hole to loosen impeller set screw. Withdraw impeller from shaft and body.
3. Remove two body to motor screws. Remove body from motor.
4. Press seal out of body towards motor flange end. Check motor shaft for wear in seal lip area. Replace motor if shaft is deeply grooved. This will only happen, normally if pump is run dry for extended periods.

ASSEMBLY INSTRUCTIONS

1. Support body on front face (impeller end). Lubricate OD of seal and press into seal bore with lip facing toward impeller until it bottoms firmly against shoulder. Center seal retainer (concave side up) in seal cavity and press firmly against seal using 11/16" dia. dowel.
2. Position slinger on shaft 1/8" from motor face.
3. Lubricate inside diameter of seal and shaft with water pump grease. Install body to motor and secure with two screws.
4. Start set screw into impeller boss. Push impeller on shaft with set screw centered on shaft flat, until impeller contacts rear face of body. Pull impeller away from body 1/32" and tighten set screw by inserting Allen wrench through priming hole in body. Turn impeller to make sure there is no metal contact.
5. Install gasket, end cover and secure with 4 end cover screws.
6. Install priming plug in body with Permatex or equal sealant.

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