



MARCH PUMPS

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DESCRIPTION & OPERATION: 809-HS-C DC Series hot water booster centrifugal magnetic drive pumps are built to handle liquid transfer in heating and cooling operations. Contact the factory for application assistance. Pumps are not self-priming, lack a suction lift, and thus require a flooded suction. Pumps cannot be run dry.

INSTALLATIONS: Pumps should be installed with the pump housing arrow pointing in the direction of flow within the system. If the arrow indicating flow is not in the direction required, remove the housing screws holding the housing to the motor bracket and rotate the housing assembly as required. Replace the screws and tighten. The pump is composed of a wet end assembly which can be separated by unscrewing the housing screws. The pump will then separate into 2 parts. The liquid will be contained within the wet end assembly unless the rear housing screws on the rear housing are loosened.

GENERAL SAFETY INFORMATION: Follow all local safety codes & the Occupational Safety and Health Act (OSHA). Make certain that the power source conforms to the requirements of your equipment. Always disconnect power source before performing any work on or near the electric motor. Caution must be exercised to relieve any pressure in the system & in draining hot water from the pump or the system.

ELECTRICAL: Motor type is brush DC in 12 Volt or 24 Volt. The red lead is positive & the black lead is negative.

| Specifications | | 809-BR-C-HS | 809-PL-C-HS | 809-SS-C-HS |
|------------------------|-----|-------------------|---------------------------|-------------------|
| Product | 12V | 0809-0146-0300 | 0809-0180-0300 | 0809-0177-0400 |
| | 24V | 0809-0146-0400 | 0809-0180-0400 | 0809-0177-0300 |
| Inlet-Outlet | | 3/4"MPT-1/2"MPT | 3/8"FPT & 3/4"MPT-1/2"MPT | 3/4"MPT-1/2"MPT |
| Max Internal Pressure | | 150PSI (1034 kPa) | 50PSI (344 kPa) | 150PSI (1034 kPa) |
| Max Liquid Temperature | | 250F (121C) | 250F (121C) | 250F (121C) |

| Model | Max Flow | | Max Head | | | Electrical | | | |
|-------------|----------|------|----------|-----|-----|------------|------------|------|-------|
| | GPM | LPM | FT | PSI | M | V | A | HP | kW |
| 809-HS-BR-C | 8 | 30.2 | 15.5 | 6.7 | 4.7 | 12 or 24 | 3.5 or 1.8 | 1/25 | 0.029 |
| 809-HS-PL-C | 8 | 30.2 | 15.5 | 6.7 | 4.7 | 12 or 24 | 3.5 or 1.8 | 1/25 | 0.029 |
| 809-HS-SS-C | 8 | 30.2 | 15.5 | 6.7 | 4.7 | 12 or 24 | 3.5 or 1.8 | 1/25 | 0.029 |

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.

809 High Speed Center Inlet DC



