



# Submittal Data Information

101-028

## Model 006 Cartridge Circulator

Effective: September 21, 2009

Supersedes: March 15, 2004

Job: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_ Rep: \_\_\_\_\_

| ITEM NO. | MODEL NO. | IMP. DIA. | G.P.M. | HEAD/FT. | H.P. | ELEC. CHAR. |
|----------|-----------|-----------|--------|----------|------|-------------|
|          |           |           |        |          |      |             |

### Features

- Standard High Capacity Output-Compact Design
- Quiet, Efficient Operation
- Direct Drive-Low Power Consumption
- Unique Replaceable Cartridge Design-Field Serviceable
- Self Lubricating
- No Mechanical Seal
- Unmatched Reliability-Maintenance Free
- Bronze or Stainless Steel Construction with Sweat, Threaded or Union Connections

### Materials of Construction

Casing (Volute): Bronze or Stainless Steel  
 Stator Housing: Steel  
 Cartridge: Stainless Steel  
 Impeller: Non-Metallic  
 Shaft: Ceramic  
 Bearings: Carbon  
 O-Ring & Gaskets: EPDM

### Model Nomenclature

B - Bronze, 3/4" Sweat  
 BC - Bronze, 1/2" Sweat, Panel Mount  
 ST - Stainless Steel  
 BC-I - Bronze, Union, Panel Mount

#### Variations:

Z - Zoning Circulator  
 VS - Variable Speed, Set Point  
 VR - Variable Speed, Outdoor Reset  
 VV - Variable Speed, Variable Voltage

### Performance Data

Flow Range: 0 – 10 GPM  
 Head Range: 0 – 9 Feet  
 Minimum Fluid Temperature: 40°F (4°C)  
 Maximum Fluid Temperature: 220°F (104°C)  
 Maximum Working Pressure: 125 psi  
 Connection Sizes:  
 1/2" Swt, 3/4" Swt, 3/4" NPT or Union



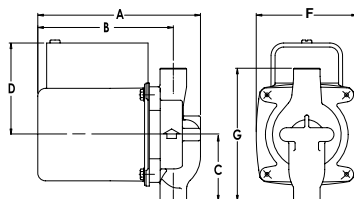
**FOR INDOOR USE ONLY**

### Application

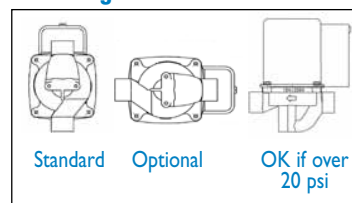
The Taco 006 is designed for circulating hot or chilled fresh water in open or closed loop applications. Typical uses include hydronic heating, domestic hot water recirculation, hydro-air heating/cooling, heat recovery units, water source heat pumps, drain down open loop Solar systems and potable water applications. The unique, replaceable cartridge contains all of the moving parts and allows for easy service instead of replacing the entire circulator. The compact, low power consumption design is ideal for high efficiency jobs.

### Pump Dimensions & Weights

| Model     | Conn.    | A      |     | B       |     | C       |    | D      |    | F      |    | G       |     | Ship Wt. |     |
|-----------|----------|--------|-----|---------|-----|---------|----|--------|----|--------|----|---------|-----|----------|-----|
|           |          | in.    | mm  | in.     | mm  | in.     | mm | in.    | mm | in.    | mm | in.     | mm  | lbs.     | Kg  |
| 006-B4    | 3/4" Swt | 5-1/8  | 130 | 4-1/8   | 105 | 2-3/16  | 56 | 3-1/16 | 78 | 3-5/16 | 84 | 4-13/32 | 112 | 6.0      | 2.7 |
| 006-BC4   | 1/2" Swt | 5-1/8  | 130 | 4-1/8   | 105 | 2-1/8   | 54 | 3-1/16 | 78 | 3-5/16 | 84 | 4-1/4   | 108 | 6.0      | 2.7 |
| 006-ST4   | 3/4" NPT | 5-5/8  | 143 | 4-7/8   | 124 | 2       | 51 | 3-1/16 | 78 | 3-5/16 | 84 | 4       | 102 | 6.0      | 2.7 |
| 006-BC4-I | Union    | 5-5/32 | 131 | 4-11/32 | 110 | 2-31/32 | 76 | 3-1/16 | 78 | 3-5/16 | 84 | 5-15/16 | 151 | 6.0      | 2.7 |



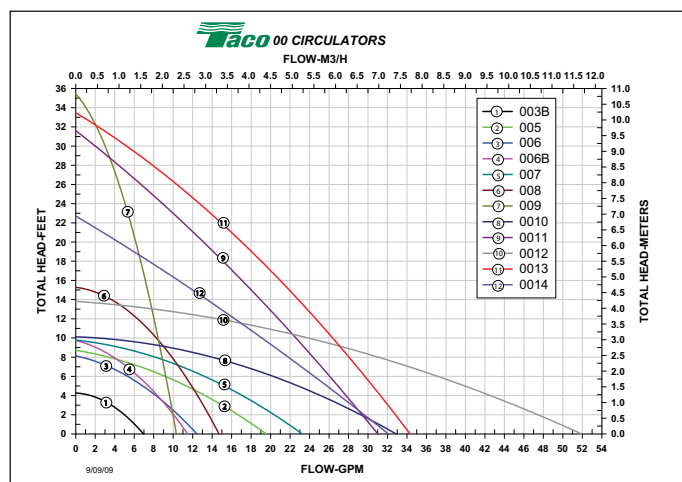
### Mounting Positions



### Electrical Data

| Model          | Volts                                            | Hz | Ph | Amps | RPM  | HP   |
|----------------|--------------------------------------------------|----|----|------|------|------|
| 006 All Models | 115                                              | 60 | I  | .52  | 3250 | 1/40 |
| Motor Type     | Permanent Split Capacitor<br>Impedance Protected |    |    |      |      |      |
| Motor Options  | 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1    |    |    |      |      |      |

### Performance Field - 60Hz



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Printed in USA

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