



Submittal Data Information

101-029

Model 007 Cartridge Circulators

Effective: July 11, 2007

Supersedes: September 1, 2003

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
- Universal Flange to Flange Dimensions
- Cast Iron, Bronze or Stainless Steel Construction

Materials of Construction

Casing (Volute):	Cast Iron, Bronze or 304 Stainless Steel
Stator Housing:	Steel
Cartridge:	Stainless Steel
Impeller:	Non-Metallic
Shaft:	Ceramic
Bearings:	Carbon
O-Ring & Gaskets:	EPDM

Model Nomenclature

- F - Cast Iron, Flanged
 - BF - Bronze, Flanged
 - SF - 304 Stainless Steel, Flanged
- Variations:**
- Z - Zoning Circulator
 - J - Bronze Cartridge with Cast Iron Casing

Performance Data

- Flow Range: 0 – 23 GPM
- Head Range: 0 – 10 Feet
- Minimum Fluid Temperature: 40°F (4°C)
- Maximum Fluid Temperature:
Cast Iron: 240°F (115°C)
Bronze/Stainless Steel: 230°F (110°C)
- Maximum Working Pressure: 125 psi
- Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged



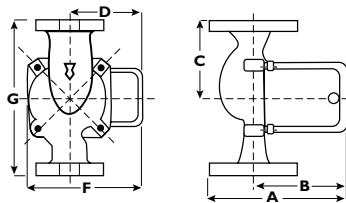
FOR INDOOR USE ONLY

Application

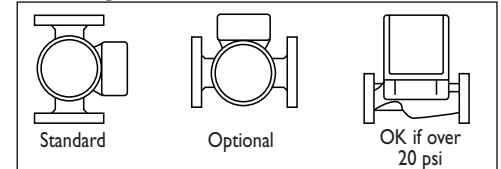
The Taco 007 is a cartridge style, maintenance free, wet-rotor, in-line, single stage circulator pump. It is designed for quiet operation in Hydronic heating, Radiant heating, Hydro-Air fan coils, Indirect water heaters, Chilled fresh water, and Domestic Water Recirculation systems. Available in Cast Iron, Bronze or Stainless Steel construction with universal flanged connections. The unique replaceable cartridge contains all of the moving parts and allows the circulator to be easily serviced instead of replacing the entire unit. Ideal for a wide range of applications.

Pump Dimensions & Weights

Model	Casing	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
007-F5	Cast Iron	6-3/8	162	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-F5-5	Cast Iron	6	152	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-BF5	Bronze	6-3/8	162	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-SF5	St. Steel	6-3/8	162	4-1/2	114	3-3/16	81	2-15/16	75	4-3/4	121	6-3/8	162	7.0	3.2



Mounting Positions



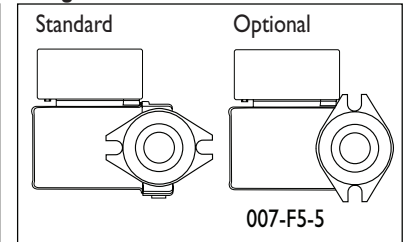
Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
007-F5	115	60	I	.71	3250	1/25
007-BF5	115	60	I	.76	3250	1/25
007-SF5	115	60	I	.76	3250	1/25

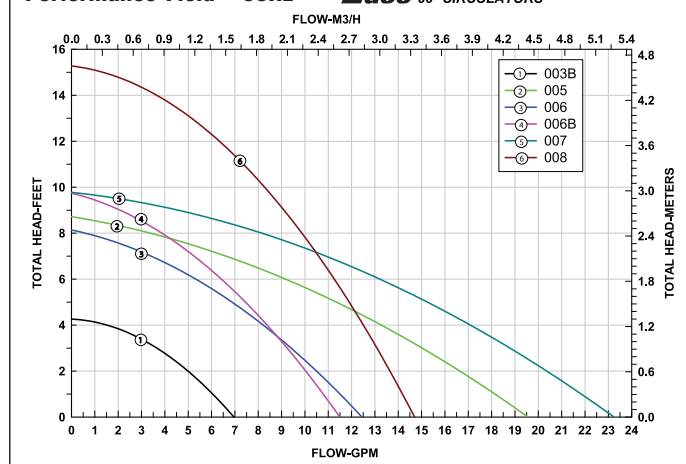
Motor Type: Permanent Split Capacitor Impedance Protected

Motor Options: 220/50/1, 220/60/1, 230/60/1, 100/110/50/60/1

Flange Orientation



Performance Field - 60Hz



Do it Once. Do it Right.®

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