Submittal Data Information

101-029

Model 007 Cartridge Circulator

Taco Comfort Solutions™
A Taco Group Company

Effective: June 10, 2015

Supersedes: March 25, 2013

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 or Stainless Steel Construction

Application

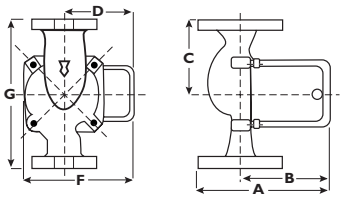
The Taco 007 is a cartridge style, maintenance free, wet-rotor, in-line, single stage circulator pump. It is designed for quiet operation in Hydronic heating, Radiant heating, Hydro-Air fan coils, Indirect water heaters, Chilled fresh water, and Domestic Water Recirculation systems. Available in Cast Iron 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

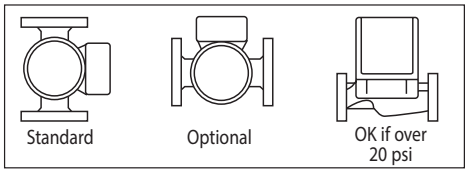
Models	Casing	Flange Type*	A		B		C		D		F		G		Ship Wt.	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
007-F5	Cast Iron	S	6-3/8	162	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-F5-5	Cast Iron	R	6-1/2	156	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	8.0	3.6
007-SF5	St. Steel	S	6-3/8	162	4-1/2	114	3-3/16	81	3-15/16	75	4-3/4	121	6-3/8	162	7.0	3.2

Materials of Construction

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



Mounting Positions



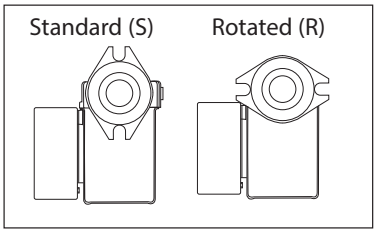
Model Nomenclature

F - Cast Iron, Flanged
SF - Stainless Steel, Flanged

Electrical Data

Model	Volts	Hz	Ph	Amps	RPM	HP
Cast Iron	115	60	1	.74	3250	1/25
St. Steel	115	60	1	.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					

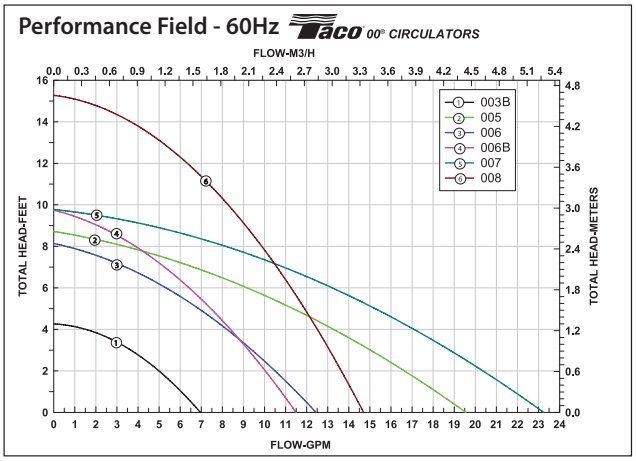
*Flange Orientation Type



Performance Data

Max. Flow: 23 GPM
Max. Head: 10 Feet
Min. Fluid Temperature: 40˚F (4˚C)
Max. Fluid Temperature: 230˚F (110˚C)
Max. Working Pressure: 125 psi
Connection Sizes: 3/4", 1", 1-1/4", 1-1/2" Flanged

Performance Field - 60Hz



Certifications & Listings

c UL US LISTED **FOR INDOOR USE ONLY**

NSF Certified to NSF/ANSI 372 **Low Lead Compliant**

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