00e series

Plumbing

006e3™ ECM High-Efficiency Hot Water Circulator

The 00e® series — 006e3 is an infinitely variable, high-efficiency wet rotor circulator with an ECM permanent magnet motor. With 3 easy settings, the 006e3 delivers performance, reliability and ease of installation that made the 00® famous.

- Taco trusted 00e® series quality and reliability **— Install it, forget it.™**
- Easy to use dial:
  - Low, Medium, High
  - 003 & 006 performance point references
- Easy installation:
  - Compact design for tight spaces
  - Multiple connection options available
- High-efficiency ECM motor uses up to 85% less electricity
- ***SureStart®*** automatic unblocking and air purging mode

Taco Comfort Solutions®
A Taco Family Company

©Taco Catalog #100-143
Supersedes: 12/13/17

Effective Date: 02/27/18
Printed in USA

Features & Applications

The 006e3™ ECM circulator: Three settings. One reputation.

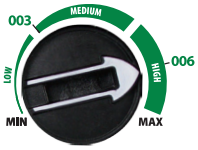
- 13' Shut-off head, 11 gpm max flow
- Easy to use dial:
  - Low, Medium, High
  - 003 & 006 performance point references
- Rugged high-performance composite casing
- 3 color LED indicator light:
  - Blue: Operating mode
  - White: ***SureStart***®
  - Red: Error diagnostic
- Whisper quiet operation
- 1" union connection with optional ½" & ¾" fitting sets sold separately (See chart below)
- Double insulated, no ground wire required

Replacement Chart

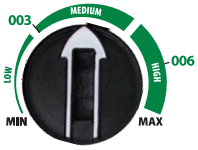
Taco	Grundfos	Armstrong	B&G / Xylem	Laing
003 006	UP 15-18 UP 15-10 UP 10-16	Astro 225 BS Astro 225 SSU Astro 220 SSU	ecocirc e^3-4 ecocirc e^3-6 NBF-8, 9, 10, 12 SSF-9, 12	E1 Series E3 Series

Setting Selection Guide

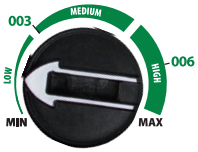
Based on ¾" supply, ½" return copper pipe



HIGH — 500 ft pipe



MEDIUM — 350 ft pipe



LOW — 200 ft pipe or less

NOTE: Figures are for reference purposes only. Refer to ASTM guidelines for piping flow & velocity standards. For PEX, refer to pipe manufacturer guidelines.

Choose the right fitting for the job!

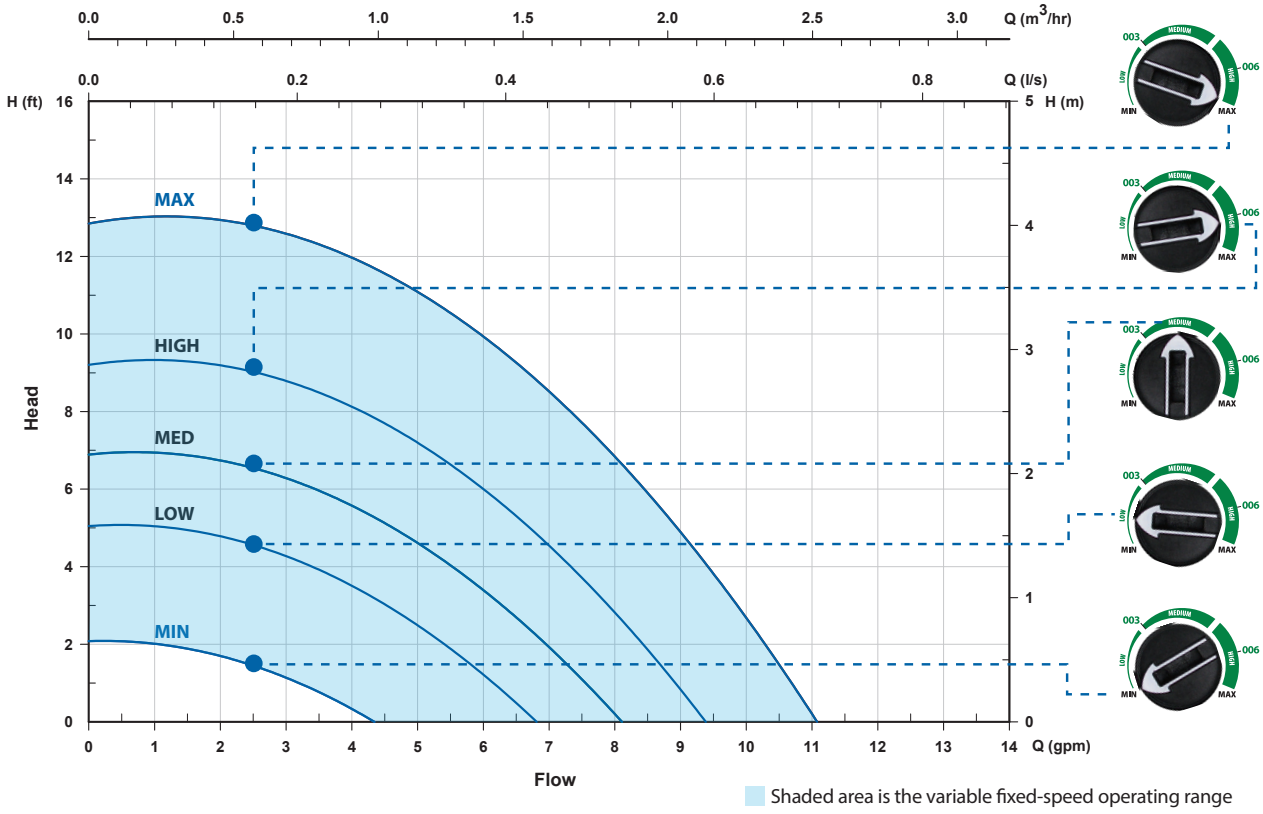
Image	Fitting Assembly Description	Product Code
	½" Union Sweat	UFS-050S
	½" Union FNPT	UFS-050T
	½" Union Press	UFS-050P
	¾" Union Sweat	UFS-075S
	¾" Union FNPT	UFS-075T
	¾" Union Press	UFS-075P

Fitting sets include (2) gaskets, (2) union nuts and (2) tail pieces.

006e3™

ECM HIGH-EFFICIENCY HOT WATER CIRCULATOR

Performance Curves 115V / 60Hz



Shaded area is the variable fixed-speed operating range

FIXED SPEED MODE

Blue LED

The 006e3 is factory-programmed for **Medium Speed Setting**. Simply turn the dial to match system requirements.

- 3-Speed Settings (Low, Medium, High)
- Infinitely variable fixed speed settings between Min/Max
- Pre-marked settings on dial to equal 003 & 006 performance

Submittal Data Information
Taco 006e3™ ECM Circulator

Submittal Data # 101-191
Supersedes: 12/13/17

Effective: 02/27/18

Specifications

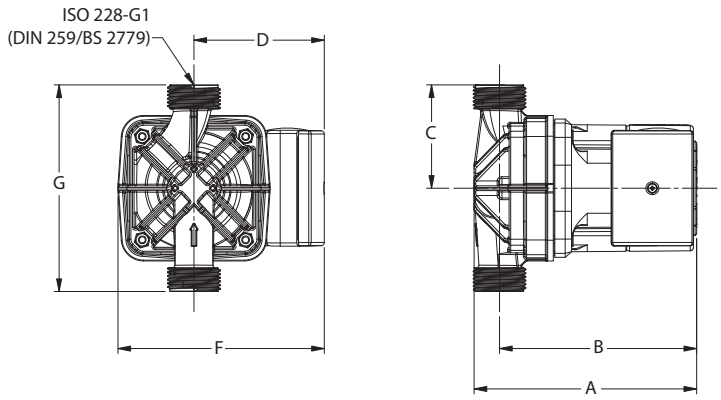
- Maximum Shut-off Head: 13 feet
- Maximum Flow: 11 gpm
- Maximum Operating Pressure: 150 psi (10 bar)
- Maximum Water Temp: 203°F (95°C)
- Minimum Water Temp: 36°F (2°C)
- Electrical Specifications:
  - Voltage: 120V, 60 Hz Single phase
  - Max. Operating Power: 44W
  - Max. AMP Rating: 0.54
- Equipped with a composite casing designed for open loop potable water systems and closed hydronic systems
- Not suitable for chilled water
- Taco circulator pumps are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution in closed hydronic systems

Materials of Construction

Casing:	Composite
Stator Housing:	Composite
Cartridge:	Composite
Impeller:	Composite
Shaft:	Ceramic
Bearings:	Carbon
Thrust Bearing:	Ceramic
O-Ring & Gaskets:	EPDM

Applications

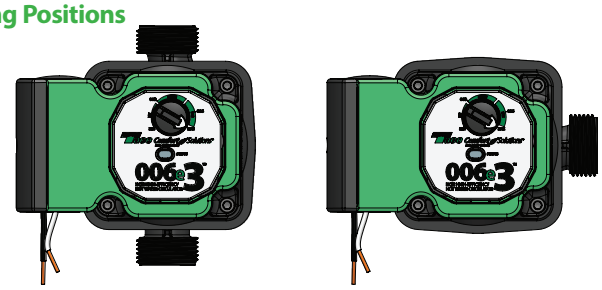
The 006e3 is a high-efficiency wet rotor circulator with an ECM permanent magnet motor. It is designed for use in open loop domestic hot water recirculation or closed hydronic systems. A simple 3-setting speed dial allows you to match circulator performance to system requirements. The 006e3LC model includes a 6' power cord.



Pump Dimensions & Weights

Model Number (Part Number)	A		B		C		D		F		G		Ship Wt.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
006e3 (VM1212-DY1-UP2A00)	5-1/2	140	4-7/8	124	2-5/8	67	3-1/4	82	5-1/8	130	5-1/8	130	3.5	1.6
006e3LC (VM1212-DY1-UP2A01)	5-1/2	140	4-7/8	124	2-5/8	67	3-1/4	82	5-1/8	130	5-1/8	130	3.5	1.6

Mounting Positions



Electrical Data

Model	Volts	Hz	Ph	Max.Amps	Watts	RPM
All Models	120	60	1	.54	44	1440 - 3720
Motor Type	ECM, Permanent Magnet, Thermally Protected					

c UL us LISTED

NSF Certified to NSF/ANSI 61 & 372

FC

Taco Comfort Solutions®
A Taco Family Company

Taco Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360
Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436