



Submittal Data Information

0018e[®] ECM High-Efficiency Circulator

101-207

Effective: August 16, 2021

Supersedes: March 5, 2021

Job: _____ Engineer: _____ Contractor: _____ Rep: _____

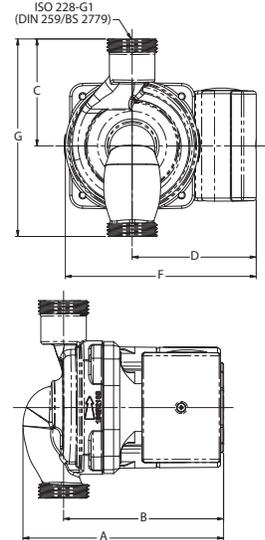
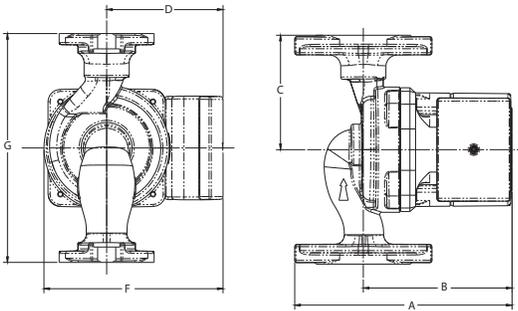
ITEM NO.	MODEL NO.

Specifications

- Max. Shut-off Head: 18 feet
- Max. Flow: 16 gpm
- Max. Operating Pressure:
 - Cast Iron: 125 psi (8.6 bar)
 - Stainless Steel: 150 psi (10 bar)
- Max. Water Temp: 230°F (110°C)
- Min. Water Temp: 36°F (2°C)
- Electrical specifications:
 - Voltage: 120V, 60 Hz
 - Single phase
 - Max. Operating Power: 44W
 - Max. AMP Rating: 0.54
- Cast iron casing suitable for closed loop systems only
- Stainless steel casing suitable for potable water or open 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

Applications

The 0018e is a variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include infinitely variable fixed speed, constant pressure, proportional pressure or self-adjusting activeADAPT[®]. Stainless Steel models for use in potable water systems for domestic water recirculation. The 0018e is not suitable for chilled water systems.



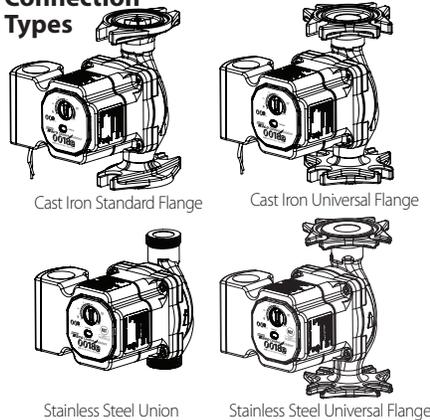
Pump Dimensions & Weights

Model Number	Connection Type	Casing	A		B		C		D		F		G		Ship Wt.	
			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
0018e-2F2	Standard	CI	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5	126	6-3/8	161	5.8	2.6
0018e-2F4	Universal	CI	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5	126	6-3/8	161	6	3.7
0018e-SF4	Universal	SS	6	152	4-1/8	104	3-3/16	80	3-1/4	82	5	126	6-3/8	161	5.5	2.5
0018e-SU	Union	SS	5-1/6	131	4-1/8	104	3-3/16	80	3-1/4	82	5	126	5-1/8	130	4.6	2.1

Materials of Construction:

Casing:Cast Iron or
Stainless Steel
Stator Housing:.....Composite
Cartridge:.....Composite
Impeller:.....Composite
Shaft:.....Ceramic
Bearings:.....Carbon
Thrust Bearing:.....Ceramic
O-Ring & Gaskets:.....EPDM

Connection Types



HYDRAULIC ENERGY INSTITUTE RATING
Model #: 0018e
WAIP: 0.071
CIRCULATOR PUMP CEI: 0.39 (ER 188)

ENERGY RATING

152 188

Most Consumptive RANGE Least Consumptive

Note: The ER value is dependent on the selected control. Multiple options may be available on this pump, as follows:
- Full Speed
- Manual Speed Control
- Pressure (Rated)

Power savings (watts) over a baseline case can be estimated by multiplying the ER by WAIP and multiplying by 7.46. Multiplying power savings by operating hours and cost of energy will yield estimated cost savings.

4V2DBK er.pumps.org Apr 2021



Certified to NSF/ANSI 61 & 372

Stainless Steel models only

Electrical Data

Model	Volts	Hz	Ph	Max. Amps	Max. Watts	RPM
All Models	120	60	1	.54	44	1590-4830
Motor Type	ECM, Permanent Magnet, Thermally Protected					



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