Submittal Data Information

101-169

00e series VT2218

Effective: August 16, 2021 **Supersedes:** February 9, 2021

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

ITEM NO.	MODEL NO.	

Specifications

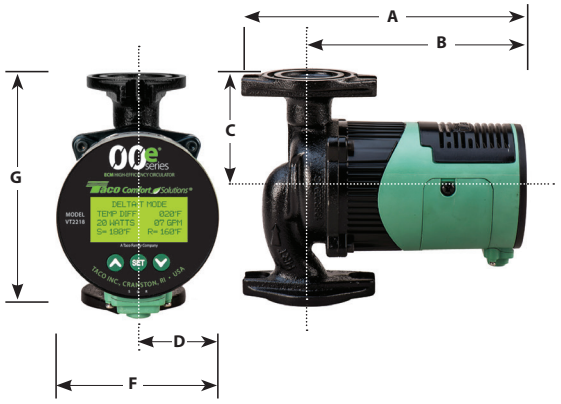
- Maximum Shut-off Head: 22 feet
- Maximum Flow: 18 gpm
- Maximum Operating Pressure: 125 psi (862 kPa)
- Maximum Water Temp: 230°F (110°C)
- Minimum Water Temp: 36°F (2°C)
- Electrical specifications:
  - Voltage: 110-120V, 50/60 Hz, Single phase
  - Operating Power Range: 9W to 58W
  - Maximum AMP Rating: 0.67
- Equipped with a cast iron casing and should be used for closed loop systems only.
- Taco circulator pumps are for indoor use only
- Acceptable for use with water or maximum of 50% water/glycol solution.

Materials of Construction:

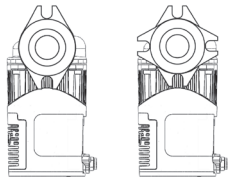
Casing: .....Cast Iron
Stator Housing: .....Aluminum/Composite
Cartridge: .....Stainless Steel
Impeller: .....Non-Metallic
Shaft: .....Ceramic
Bearings: .....Ceramic
O-Ring & Gaskets: .....EPDM
Integral Flow Check (IFC®):
Body, Plunger .....Acetal
O-ring Seal .....EPDM
Spring .....Stainless Steel

Applications

The VT2218 is a temperature sensing, variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. It's ideal for Delta-T or setpoint temperature applications. Typical uses include hydronic systems zoned with zone valves, radiant loops, injection pumping, snowmelt or hydro-air fan coils. Can also be used in constant speed mode for zoning with circulators, indirect water heaters or primary boiler loops.

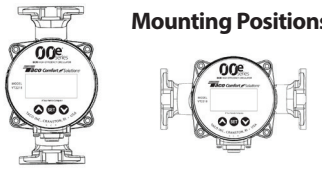


Flange Orientation



Standard (S) Universal (U)

Mounting Positions



Pump Dimensions & Weights

Part Number	Flange Code	A		B		C		D		F		G		Ship Wt.	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
VT2218-HY2-FC1A00	S	8-1/8	207	6	153	3-1/4	82	2	54	4-1/4	107	6-3/8	161	7-3/4	3.52
VT2218-HY2-4C1A00	U	8-1/8	207	6	153	3-1/4	82	2	54	4-1/4	107	6-3/8	161	7-3/4	3.52

Electrical Data

Model	Volts	Hz	Ph	Max Amps	RPM
All Models	110/120	50/60	1	.67	1650 - 4200
Motor Type	ECM, Permanent Magnet, Electronically Protected				

Maximum Watts

Speed 1	Speed 2	Speed 3	Speed 4
9	24	40	58

HYDRAULIC INSTITUTE ENERGY RATING

WAIP: 0.077

Model #: VT2218

CIRCULATOR PUMP CEI: 0.40 (ER 188)

ENERGY RATING

138 188

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
· Temperature (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.

QWBMLX er.pumps.org Jun 2021

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