

Water Circulation Pumps & Circulators

VT2218 ECM High-Efficiency Circulator

Taco 00e[®] series — VT2218 Delta-T Variable Speed circulator is a temperature sensing, self-adjusting, variable speed, high-efficiency wet rotor circulator with an ECM permanent magnet motor. Operating modes include Delta-T differential temperature, 4 fixed speeds, set point heat, set point cool and boiler protection.

CO Comfort Solutions

Ø20°F

160°F

Ø7 GPM

DELTA-T

ACO INC., CRANSTON, RI

IP DIFF

20 WATTS

180°F

MODEL VT2218

A Taco Family Company

- Delta-T operation maximizes system efficiency and comfort
- High-efficiency ECM motor uses up to 85% less electricity
- Can save hundreds in fuel costs
- LCD displays operating mode, temperature or speed setting, watts, GPM and supply & return temperatures
- Easy to program and install
- Sure Start[®] automatic unblocking mode
- **BIO Barrier**[®] filter protects pump from system contaminants
- Easy access junction box and 6" stranded wire leads for easy wiring

©Taco Catalog #100-119 Supersedes: 02/09/21

Features

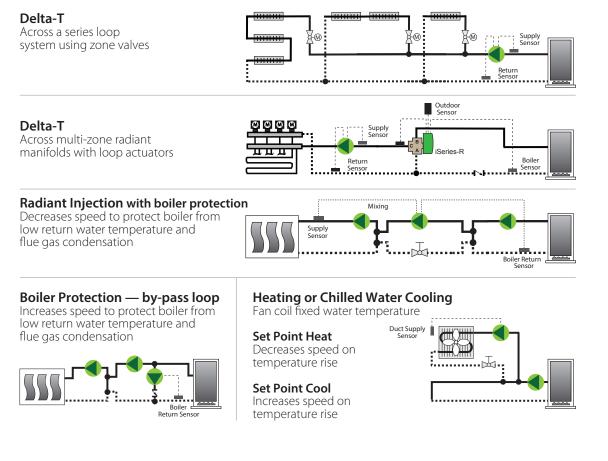
The ONLY temperature sensing pump in its class.

- 22' Shut-off Head, 18 gpm max flow
- ECM High-efficiency motor
- Operates in 5 different modes:
 - Delta-T (5-50°F) Variable Speed [factory pre-set : 20°F ΔT]
 - Multi-Speed (4 fixed speeds)
 - Set Point Heat (50-220°F) variable speed with boiler protection option
 - Set Point Cool (32-100°F)
 - Boiler Protection (100-160°F), protects boiler from low return water temperature
- Full Speed Over-ride
 - For system fill and purging
- Full backlit LCD displays:
 - Operating mode, temperature or speed setting, watts, GPM and supply & return temperatures
 - Error code diagnostics
 - English or Metric units
- Use with a Taco ZVC Zone Valve Control or SR Switching Relay for ON/OFF operation.
- Sensors and Integral Flow Check (IFC[®]) included
- Whisper quiet operation
- Optional 2-way flange reduces SKU's and provides universal fit-up to any flange position

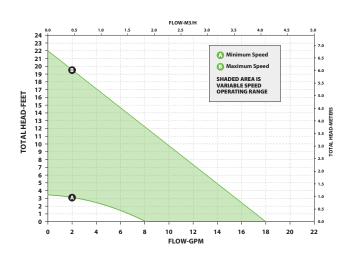


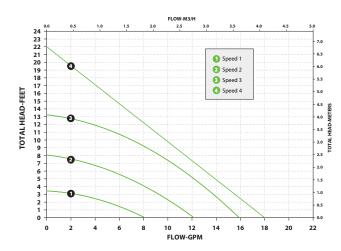


Typical Variable Speed Applications



Performance Curves for the Taco 00e° series—VT2218





Submittal Data Information 00e° series — VT2218

Submittal Data # 101-169 Supersedes: 02/09/**21**

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:

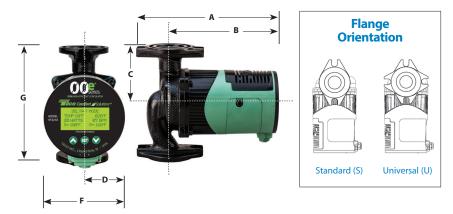
Casing:	Cast Iron					
Stator Housing:	Aluminum/Composite					
Cartridge:	Stainless Steel					
Impeller:	Non-Metallic					
Shaft:	Ceramic					
Bearings:	Ceramic					
O-Ring & Gaskets:	EPDM					
Integral Flow Check (IFC®):						
Body, Plunger	Acetal					
O-ring Seal	EPDM					
Spring	Stainless Steel					





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.



Pump Dimensions & Weights

	Flange	Α		В		С		D		F		G		Ship Wt.	
Part Number	Code	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	Kg
VT2218-HY2-FC1A00	S	8-1/8	207	б	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	б	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, Per	manent	Magnet	t, Electronica	ally Protected	

Mounting Positions

HYDRAULIC ENERGY INSTITUTE RATING								
Model #: VT2218								
CIRCULATOR PUN	ΛP	CEI: 0.40	(ER 18	8)				
EN	ERGY F	RATING						
		138 V	18	38 4				
Most Consumptive	RANG	E Lea:	st Consumptive	e				
Note: The ER value is depend may be available on this pump Full Speed Temperature (Rated) Power savings (watts) over a he ER by WAIP and multiplyi operating hours and cost of er	b, as follows baseline cas	: se can be estimat Multiplying power	ed by multiplyi savings by					
OWBMLX	er.pumps	.org	Jun	2021				

Maximum Watts

24

Speed 2 Speed 3

40

Speed 4

58

Speed 1

a



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