



Advanced Test Equipment Corp.

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800-404-ATEC (2832)

3500 to 10000 Watts of Cooling



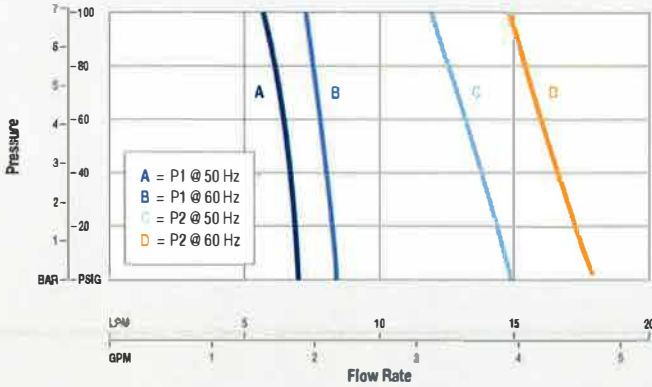
Specifications		ThermoFlex 3500	ThermoFlex 5000	ThermoFlex 7500	ThermoFlex 10000
Standard Setpoint Temperature Range		5 °C to 40 °C (41 °F to 104 °F)			
Optional High Temperature Setpoint Range		5 °C to 90 °C (41 °F to 194 °F)			
Optional Low Temperature Setpoint Range		-	-5 °C to 50 °C (23 °F to 122 °F)	-	+5 °C to 50 °C (23 °F to 122 °F)
Stability		+/- 0.1 °C			
Ambient Temperature Range		10 °C to 40 °C (50 °F to 104 °F)			
Standard Cooling Capacity	60 Hz at 20°C	3500 W / 11953 BTU	5000 W / 17076 BTU	7500 W / 25575 BTU	10000 W / 34100 BTU
	50 Hz at 20°C	3050 W / 10416 BTU	4400 W / 15027 BTU	6425 W / 21910 BTU	8500 W / 28985 BTU
Reservoir Volume		7.2 Liters (1.9 gallons)		17.9 Liters (4.75 gallons)	
Refrigerant		R407C			
Physical Dimensions (H x W x D)	Air-Cooled	38.9 x 19.3 x 30.9 in (98.7 x 48.8 x 78.4 cm)		52.3 x 25.2 x 33.8 in (132.7 x 63.9 x 85.6 cm)	
	Water-Cooled	38.9 x 19.3 x 30.9 in (98.7 x 48.8 x 78.4 cm)		45.9 x 25.2 x 33.8 in (116.6 x 63.9 x 85.6 cm)	
P1 — Positive Displacement Pump	60 Hz	2.1 gpm @ 60 psig (7.9 lpm @ 4.1 bar)	-	-	-
	50 Hz	1.7 gpm @ 60 psig (6.4 lpm @ 4.1 bar)	-	-	-
P2 — Positive Displacement Pump	60 Hz	4.0 gpm @ 60 psig (15.1 lpm @ 4.1 bar)			-
	50 Hz	3.3 gpm @ 60 psig (12.5 lpm @ 4.1 bar)			-
T1 — Turbine Pump*	60 Hz	3.5 gpm @ 60 psid (13.2 lpm @ 4.1 bar)	-	-	-
	50 Hz	2.5 gpm @ 60 psid (9.5 lpm @ 4.1 bar)	-	-	-
T3 — Turbine Pump*	60 Hz	-	-	7.3 gpm @ 60 psid (27.6 lpm @ 4.1 bar)	-
	50 Hz	-	-	6.2 gpm @ 60 psid (23.5 lpm @ 4.1 bar)	-
P3 — Centrifugal Pump*	60 Hz	10 gpm @ 32 psid (37.9 lpm @ 2.2 bar)			-
	50 Hz	10 gpm @ 20 psid (37.9 lpm @ 1.4 bar)			-
P4 — Centrifugal Pump*	60 Hz	15 gpm @ 57 psid (56.8 lpm @ 3.9 bar)	-	-	-
	50 Hz	15 gpm @ 34 psid (56.8 lpm @ 2.3 bar)	-	-	-
P5 — Centrifugal Pump*	60 Hz	-	-	20 gpm @ 60 psid (75.7 lpm @ 4.1 bar)	-
	50 Hz	-	-	20 gpm @ 35 psid (75.7 lpm @ 2.4 bar)	-
Chiller Weight (air cooled with P2 pump)		264 lb (120 kg)	-	356 lb (161.5 kg)	-
Available Heaters					
2.3 kW @ 208 V		-	Available	-	-
2.8 kW @ 230 V		-	Available	-	-
5 kW @ 208 V		-	-	-	Available
6.1 kW @ 460 V		-	-	-	Available
Voltage Options					
208-230 V/60 Hz & 200 V/50 Hz ^{1,2}		Available	-	-	-
230 V/50 Hz ¹		Available	-	-	-
200-230 V/50-60 Hz Global Voltage ³		Available	-	-	-
208-230 V/60 Hz/3 phase & 200V/50 Hz ^{1,2}		-	-	-	Available
460 V/60 Hz/3 phase & 400 V/50 Hz/3 phase ¹		-	-	-	Available

Specifications obtained at sea level using water as the recirculating fluid, at a -20°C process setpoint, +25°C ambient condition, at nominal operating voltage. Cooling capacity based on chillers with P2 pumps with no backpressure. Other pumps will affect cooling capacity performance. Specifications subject to change.

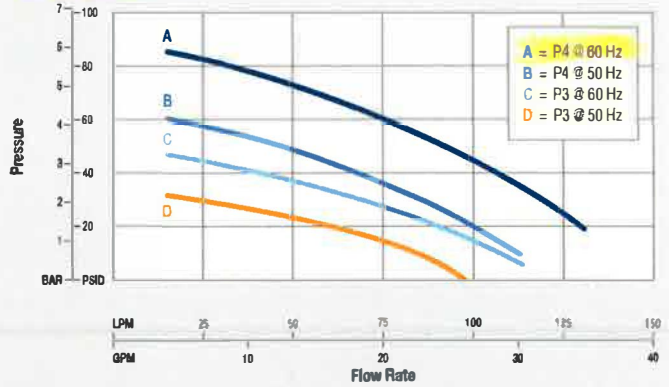
* Pressure values for centrifugal and turbine pumps are differential pressures between the inlet and the outlet of the chiller.

Pumping capacity

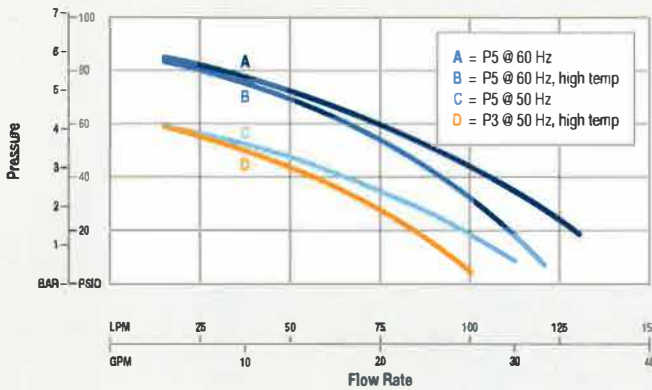
P1 & P2 Pump



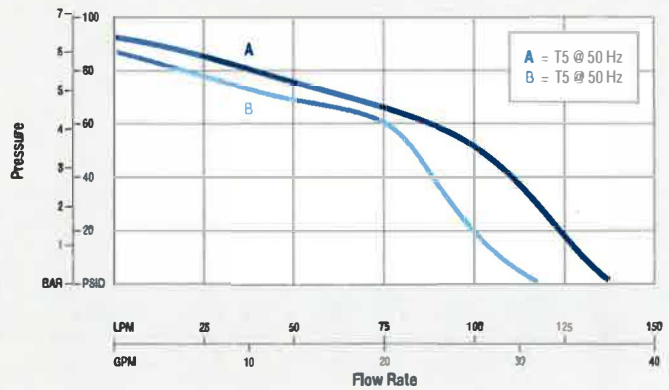
P3 & P4 Pump



P5 Pump

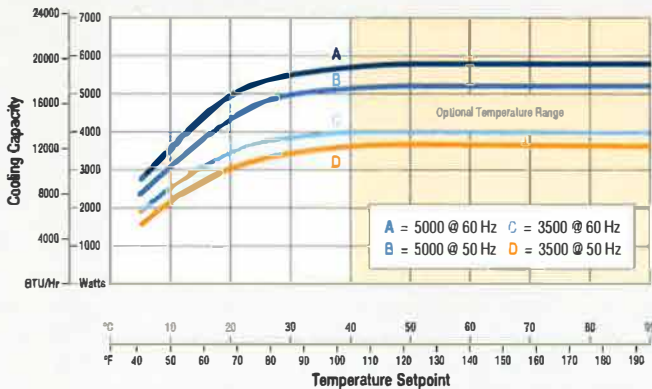


T5 Pump

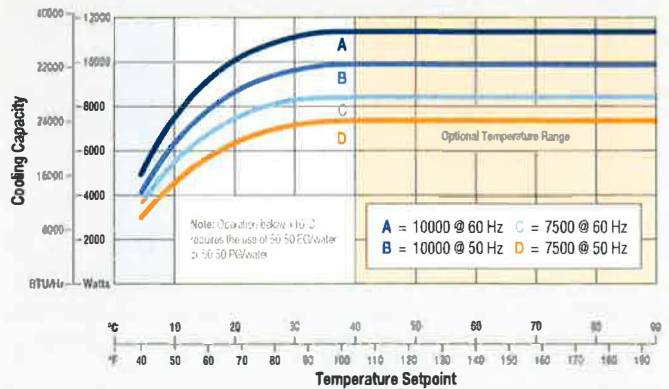


Cooling capacity

ThermoFlex 3500 & 5000



ThermoFlex 7500 & 10000



Cooling capacity based on chillers with P2 pumps with no backpressure. Other pumps will affect cooling capacity performance.