TLC-700 | Air Cooled Liquid Chiller

Air Cooled | 120 VDC, 240 VAC and 24 VDC Input

FEATURES

- Compact (only 15.5" X 7.6" bench top footprint)
- Easy prime pump design
- Integral PID "tunable" temperature control (two styles)
- No compressor, fluorocarbons or filters
- Remote Sensibility™ remote temperature sensing
- Un-cooled, 500mL reservoir
- Front to back air-flow system
- Stainless steel exterior housing
- Ergonomic sloping front design
- Low fluid level and low flow warning
- Integral power supply
- Self priming pump/reservoir
- Low pressure drop fluid quick connects

TLC-700 with TC-4300

TC-3300 FEATURES

- Cool and Heat/Cool versions
- RS-232 communications (optional)
- Communications Software (optional)

TC-4300 FEATURES

- Heating and Cooling
- Integral PID "tunable" temperature control
- One shot smart PID control tuning or Adaptive Smart Continuous Tuning
- Multi-segment ramp and soak programs
- RS-232 communications standard, includes EzLog® software for easy programming and control logging
- Process fluid "out of temperature range" warning
- Variable fan speed for quietest operation
- Easy prime/pump reset feature
- No flow system shut down
- Optional software iTools® and OPC Server

TLC-700 with TC-3300

SPECIFICATIONS

MODEL	PART NUMBER	PERFORMANCE RATING BTU/HR	VOLTAGE VAC 50/60 HZ	CURRENT AMPS.	WEIGHT LBS. (KG)	MAX OPERATING AMBIENT	HEATING OPTION (HC SUFFIX)	TEMP. CONTROL	FLUID TEMP RANGE °C	AGENCY APPROVALS (ETL)
TLC-700	6-A0D0-0-000	730-800	120 VAC	4.2	32(14.5)	50 °C(+122 F)		TC-3300	-5/65	UL3101-1/CSA22.2, CE
TLC-700HC	6-A0D0-1-000	730-800	120 VAC	4.2	32(14.5)	50 °C(+122 F)	200 Watt	TC-3300	-5/65	UL3101-1/CSA22.2, CE
TLC-702	6-A0D2-0-000	730-800	240 VAC	2.9	42(19)	50 °C(+122 F)		TC-3300	-5/65	UL3101-1/CSA22.2, CE
TLC-702HC	6-A0D2-1-000	730-800	240 VAC	2.9	42(19)	50 °C(+122 F)	200 Watt	TC-3300	-5/65	UL3101-1/CSA22.2, CE
TLC-700	6-A0E0-0-0B0	730-800	120 VAC	4.2	32(14.5)	50 °C(+122 F)		TC-4300	-5/65	PENDING
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TLC-702	6-A0E2-0-0B0	730-800	240 VAC	2.9	42(19)	50 °C(+122 F)		TC-4300	-5/65	PENDING
TLC-702HC	6-A0E2-1-0B0	730-800	240 VAC	2.9	42(19)	50 °C(+122 F)	200 Watt	TC-4300	-5/65	PENDING
TLC-700	6-A0E5-0-0B0	730-800	24 VDC	10.0	32(14.5)	50 °C(+122 F)		TC-4300	-5/65	PENDING
TLC-700HC	6-A0E5-1-0B0	730-800	24 VDC	10.0	32(14.5)	50 °C(+122 F)	200 Watt	TC-4300	-5/65	PENDING

TLC-700

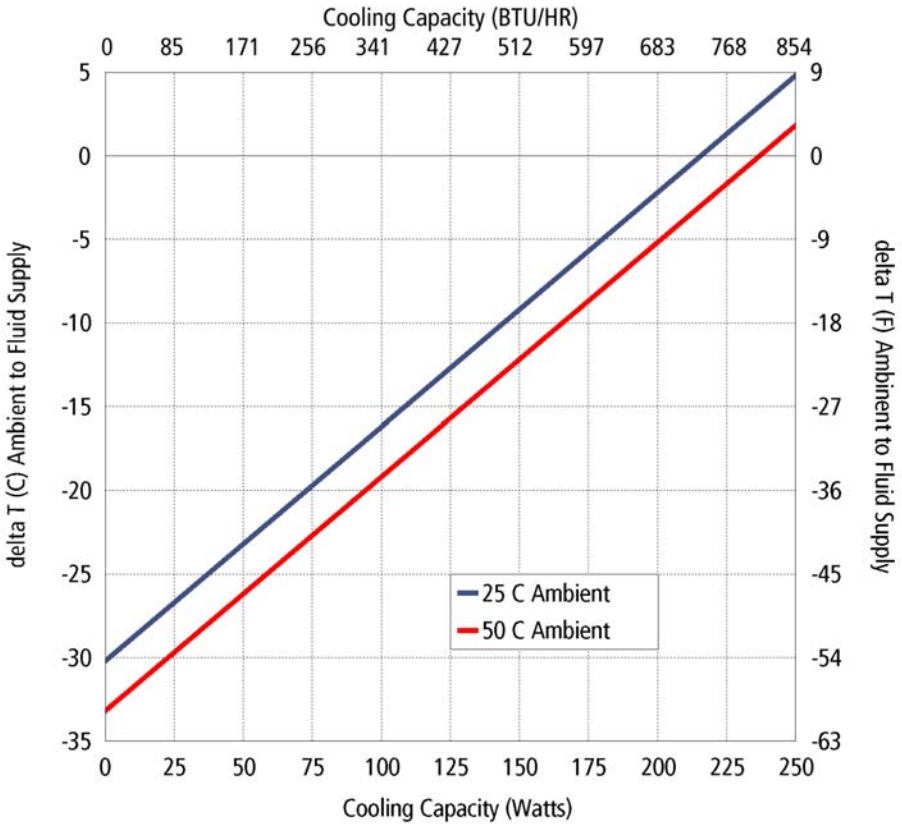
ENVIRONMENTS

Bench top
Laboratory
Industrial

COOLING CAPACITY

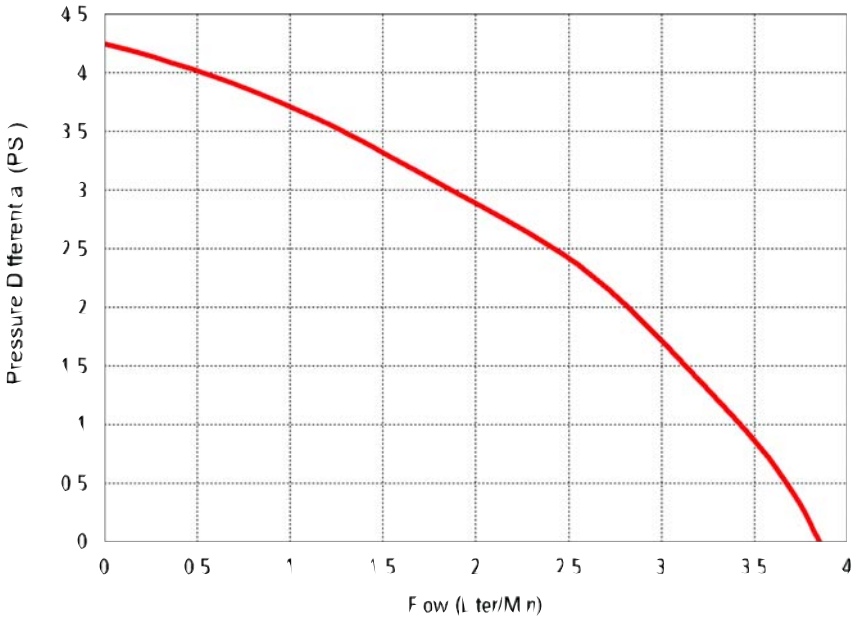
215 Watts @ 0 °C ΔT

PERFORMANCE CURVE

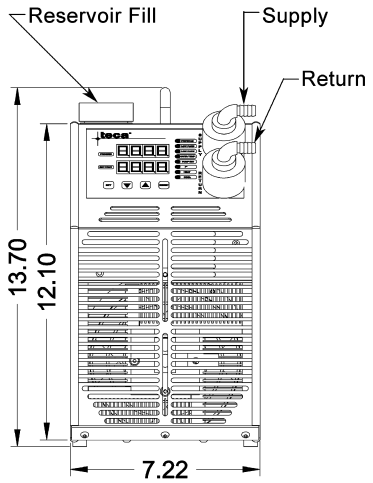


Equation of line: y=ΔT(°C) x=Capacity (Watts)		
Ambient Temp	**25°C**	**50°C**
Fluid Supply	y=.14x-30.2	y=.14x-33.2

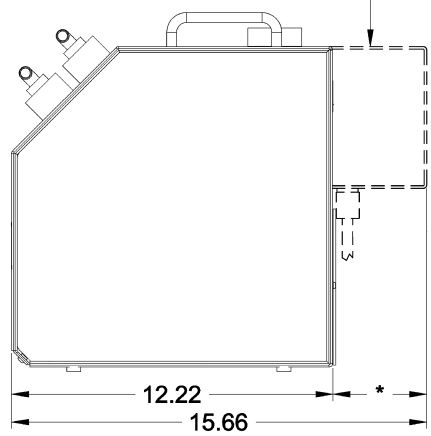
PUMP CURVE



DIMENSIONS



Power Housing (TLC-702)



Dimensions: Inches
* Minimum recommended clearance 3".

Ambient Air Path