

## 1.5 HP DuraChill® Chiller, Turbine Pump; Air-Cooled



6800T

### Key Specifications

Description	1.5 HP Chiller, Turbine Pump; Air-Cooled
Display	LED
Connectivity	Optional: RS232, RS485
Working Temperature Range °C	5° to 35°
Temperature Stability °C	±0.5°
Temperature Calibration Capability	1-point
Pump Type	Turbine

### Key Features

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- High capacity cooling for lasers, electron microscopes, and other laboratory applications
- Small footprint conserves floor space
- Displays temperature and pressure or flow rate simultaneously
- User-adjustable temperature, pressure, and flow rate alarms
- Simple operation and maintenance
- Air- or water-cooled
- Positive displacement (PD) or turbine (T) pump; other pump options also available

## Common Specifications

Working Temperature Range °F	41° to 95°
Working Temperature Range °C	5° to 35°
Reservoir Capacity (gallons)	3.5
Reservoir Capacity (liters)	13.25
Reservoir/Tank Material	Polyethylene
Reservoir Cover	Screw-on Cap
Cleanable Air Filter	Yes
Cleanable Fluid Filter	Yes
Temperature Stability °F	±0.9°
Temperature Stability °C	±0.5°
Display	LED
Display Resolution (Read)	0.1
Pump Type	Turbine
Process Connections	1/2" (F) NPT
Over-Temperature Protection / Failsafe Heater Control	Yes
Reservoir Liquid Level Indicator	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	30.5 x 19 x 26 in
Overall Dimensions (L x W x H) (cm)	78 x 48 x 66 cm
Compressor Size (HP)	1.5
Refrigerant	R134a
Shipping Weight (pounds)	340.0

Shipping Weight (kilograms)	154.0
Catalog Page Number	104

## 60 Hz Only

Part Number	6860T56A270D
Maximum Pressure (psi)	100.0
Maximum Pressure (bar)	6.90
Maximum Pressure Flow Rate (gpm)	11.00
Maximum Pressure Flow Rate (l/min)	41.6
Cooling Capacity @ +10°C (W)	4420
Cooling Capacity @ +20°C (W)	5200
Cooling Capacity @ +30°C (W)	5980
Heater Wattage	1000
Electrical Requirements (VAC/Hz/Ph/A)	230/60/1/23.1
Regulatory Approvals	TUV

## 50 Hz Only

Part Number	6850T56A270E
Maximum Pressure (psi)	83.0
Maximum Pressure (bar)	5.72
Maximum Pressure Flow Rate (gpm)	9.00
Maximum Pressure Flow Rate (l/min)	34.0
Cooling Capacity @ +10°C (W)	3715
Cooling Capacity @ +20°C (W)	4371
Cooling Capacity @ +30°C (W)	5027
Heater Wattage	1000
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/25.6
Regulatory Approvals	CE

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