

1.5 HP DuraChill® Chiller, Positive Displacement Pump; Air-Cooled



6800P

Key Specifications

Description	1.5 HP Chiller, Positive Displacement 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	Positive Displacement

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	Positive Displacement
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	6860P46A270D
Maximum Pressure (psi)	100.0
Maximum Pressure (bar)	6.90
Maximum Pressure Flow Rate (gpm)	3.50
Maximum Pressure Flow Rate (l/min)	13.2
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)	230/60/1/21.1
Regulatory Approvals	TUV

50 Hz Only

Part Number	6850P46A270E
Maximum Pressure (psi)	83.0
Maximum Pressure (bar)	5.72
Maximum Pressure Flow Rate (gpm)	2.90
Maximum Pressure Flow Rate (l/min)	11.0
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)	240/50/1/20.8
Regulatory Approvals	CSA, CUL, CE

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