

Portable Chillers – 6000 Series – ¼ to 1 HP

Key Specifications

Working Temperature:	-10° to +40°C, -10° to +70°C with heater option
Temperature Stability:	±0.1°C
Cooling Capacity:	Up to 2900 W @ 20°C
Reservoir Capacity:	1.1 gallons/4.2 liters
Overall Dimensions (L x W x H):	27.6 x 14.5 x 22.6" 70.2 x 36.8 x 57.5 cm



Features:

- Stable and reliable cooling for many common heat removal applications, including laser etching, AA furnaces, ICP, rotary evaporators, vacuum systems, reaction vessels, plasma etching, and condenser cooling
- Large, dual displays present temperature and pressure or flow rate simultaneously
- Compact, portable design takes up less floor space
- Cooling at ambient temperatures as high as 35°C
- Choice of pumps and compressor sizes
- User-adjustable temperature, pressure, and flow rate alarms
- Heater option extends cooling temperature to +50°C, provides the ability to apply heat up to 70°C; ideal for applications, such as lasers, that must be brought to a temperature above ambient before operation can begin
- External temperature tracking and communications capability (optional)
- Cool Command™, WhisperCool™ (3/4 and 1 HP models)



C 155859 US



Large digital readouts provide information on temperature as well as the process flow rate or pressure at a glance.

See pages 124 and 125 for considerations when choosing a chiller.

6000 Series Chillers with Turbine Pump

	6200 1/4 HP		6300 1/3 HP		6500 1/2 HP		6700 3/4 HP		6100 1 HP	
Temperature Range	-10° to +40°C (-10° to +70°C with heater option)									
Temperature Stability	±0.1°C									
Cooling Capacity ¹ @ (W)	400 600 850	300 500 700	530 990 1400	485 935 1280	750 1150 1700	765 1140 1775	875 1550 2300	975 1500 2200	1000 1925 2900	1200 1900 2650
Maximum Pressure psi (bar)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)
Maximum Flow gpm (l/min)	3.5 (13.2)	2.9 (11)	3.5 (13.2)	2.9 (11)	3.5 (13.2)	2.9 (11)	3.5 (13.2)	2.9 (11)	3.5 (13.2)	2.9 (11)
Power Requirements (V/Hz)	120/60	240/50	120/60	240/50	120/60	240/50	208-230/60	240/50	208-230/60	240/50
Part Number 120 VAC/60 Hz	6260T11A110B		6360T11A120C		6560T11A120C		6760T21A130D		6160T21A130D	
Part Number 240 VAC/50 Hz	6250T21A130E		6350T21A130E		6550T21A130E		6750T21A130E		6150T21A130E	

6000 Series Chillers with Positive Displacement Pump

	6200 1/4 HP		6300 1/3 HP		6500 1/2 HP		6700 3/4 HP		6100 1 HP	
Temperature Range	-10° to +40°C (-10° to +70°C with heater option)									
Temperature Stability	±0.1°C									
Cooling Capacity ¹ @ (W)	400 600 850	300 500 700	530 990 1400	485 935 1280	750 1150 1700	765 1140 1775	875 1550 2300	975 1500 2200	1000 1925 2900	1200 1900 2650
Maximum Pressure psi (bar)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)
Maximum Flow gpm (l/min)	1.0 (3.8)	0.95 (3.6)	1.0 (3.8)	0.95 (3.6)	1.0 (3.8)	0.95 (3.6)	3.5 (13.2)	2.9 (11)	3.5 (13.2)	2.9 (11)
Power Requirements (V/Hz)	120/60	240/50	120/60	240/50	120/60	240/50	208-230/60	240/50	208-230/60	240/50
Part Number 120 VAC/60 Hz	6260P11A110B		6360P11A120C		6560P11A120C		6760P41A130D		6160P41A130D	
Part Number 240 VAC/50 Hz	6250P21A130E		6350P21A130E		6550P21A130E		6750P41A130E		6150P41A130E	

6000 Series Chillers with Magnetic Drive Centrifugal Pump

	6200 1/4 HP		6300 1/3 HP		6500 1/2 HP		6700 3/4 HP		6100 1 HP	
Temperature Range	-10° to +40°C (-10° to +70°C with heater option)									
Temperature Stability	±0.1°C									
Cooling Capacity ¹ @ (W)	300 700 950	400 600 800	700 1000 1430	600 960 1180	850 1250 1800	765 1140 1775	975 1550 2350	1075 1600 2250	1100 1835 2900	1400 2050 2750
Maximum Pressure psi (bar)	10 (.69)	9.5 (0.66)	10 (.69)	9.5 (.66)	10 (.69)	9.5 (.66)	10 (.69)	9.5 (.66)	10 (.69)	9.5 (.66)
Maximum Flow gpm (l/min)	4.1 (15.5)	3.9 (14.7)	4.1 (15.5)	3.9 (14.7)	4.1 (15.5)	3.9 (14.7)	4.1 (15.5)	3.9 (14.7)	4.1 (15.5)	3.9 (14.7)
Power Requirements (V/Hz)	120/60	240/50	120/60	240/50	120/60	240/50	208-230/60	240/50	208-230/60	240/50
Part Number 120 VAC/60 Hz	6260M11A110B		6360M11A110B		6560M11A120C		6760M21A130D		6160M21A130D	
Part Number 240 VAC/50 Hz	6250M21A130E		6350M21A130E		6550M21A130E		6750M21A130E		6150M21A130E	

1. Cooling Capacity based on 20°C (68°F) ambient temperature and a 50%/50% mix of ethylene glycol and distilled water as coolant

See pages 109 through 112 for 6000 Series Chiller options and accessories.

Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers.

Portable Chillers – DuraChill™ 6860 - 1.5 HP

Key Specifications

Working Temperature: +5° to 35°C

Temperature Stability: ±0.5°C

Cooling Capacity: Up to 6,328 W @ 20°C

Reservoir Capacity: 3.5 gallons/13.25 liters

Overall Dimensions 30.5 x 19 x 26"

(L x W x H): 78 x 48 x 66 cm

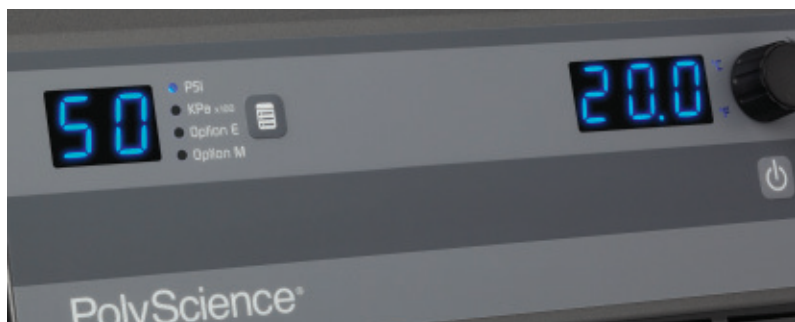


Features:

- 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 low maintenance
- Wide variety of options available



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Dual displays provide ready access to both temperature and process pressure/flow rate information.

	Air Cooled 1.5 HP		Water Cooled 1.5 HP	
Temperature Range	41° to 95°F/5° to 35°C			
Temperature Stability	±0.9°F/±0.5°C			
Power Requirements ¹ (VAC/Hz/PH)	230/60/1	240/50/1	230/60/1	240/50/1
Cooling Capacity ² @ 20°C (W/BTU)	5,200/17,732	4,576/15,604	6,328/21,578	5,569/18,990
Standard Pump	1/4 HP Positive Displacement			
Maximum Pressure psi (bar)	100 (6.9)	83 (5.7)	100 (6.9)	83 (5.7)
Maximum Flow gpm (l/min)	3.5 (13.2)	2.9 (11)	3.5 (13.25)	2.9 (11)
Part Number 230 VAC/60 Hz	6860P46A270D		6960P46A270D	
Part Number 240 VAC/50 Hz	6850P46A270E		6950P46A270E	

1. 220/50/3, 230/60/3, 460/60/3, and 380/50/3 also available.

2. Cooling capacity based on 20°C/68°F entering air and 20°C/68°F leaving water. Allowance made for heat gain from pump. Electrical plugs for the part numbers listed are standard U.S. and European types. See page 128 for additional plug types and part numbers. DuraChill™ Chillers are available with a wide selection of factory installed options. Contact us for help in selecting the chiller size and configuration that best meets your heat removal requirements. See pages 109 through 112 for DuraChill™ options and accessories.

Portable Chillers – DuraChill™ – 2 to 3 HP

Key Specifications

Working Temperature: +5° to 35°C

Temperature Stability: ±0.5°C

Cooling Capacity: Up to 10,936 W @ 20°C

Reservoir Capacity: 7 gallons/26.5 liters

Overall Dimensions
(L x W x H): 30.5 x 37 x 42"
78 x 94 x 107 cm



Features:

- High capacity cooling for lasers, EDM equipment, injection molding, and other heat removal applications
- Displays temperature and pressure or flow rate simultaneously
- User-adjustable temperature, pressure, and flow rate alarms
- Easy to operate and maintain



	Air Cooled 2.0 HP		Air Cooled 3.0 HP		Water Cooled 3.0 HP	
Temperature Range	41° to 95°F/5° to 35°C					
Temperature Stability	±0.9°F/±0.5°C					
Power Requirements ¹ (VAC/Hz/PH)	240/60/3	220/50/3	240/60/3	220/50/3	240/60/3	220/50/3
Cooling Capacity ² @ 20°C (W/BTU)	7,000/ 23,870	6,160/ 21,006	10,500/ 35,805	9,240/ 31,508	10,936/ 37,292	9,624/ 32,817
Standard Pump	1/3 HP Centrifugal					
Maximum Pressure psi (bar)	20.5 (1.41)	17.1 (1.2)	20.5 (1.41)	17.1 (1.2)	20.5 (1.41)	17.1 (1.2)
Maximum Flow gpm (l/min)	12 (45.1)	10 (37.6)	12 (45.1)	10 (37.6)	12 (45.1)	10 (37.6)

1. 230/60/1, 460/60/3, 240/50/1, and 380/50/3 also available.

2. Cooling capacity based on 20°C/68°F entering air and 20°C/68°F leaving water. Allowance made for heat gain from pump. DuraChill™ Chillers are available with a wide selection of factory installed options. Contact us for help in selecting the chiller size and configuration that best meets your heat removal requirements. See pages 109 through 112 for DuraChill™ options and accessories.

Portable Chiller – DuraChill™ – 5 to 10 HP

Key Specifications

Working Temperature: 0° to 30°C





Temperature Stability: ±1.1°C

Cooling Capacity: Up to 33,436 W @ 35°C Ambient



Features:

- High capacity cooling for plasma torch cutting, machine tool hydraulics, high powered lasers, and other high heat generating processes and equipment
- Displays temperature and pressure or flow rate simultaneously
- User-adjustable temperature, pressure, and flow rate alarms
- Easy to operate and maintain
- Wide variety of options available

	 Air Cooled 5.0 HP		Air Cooled 7.5 HP		Air Cooled 10.0 HP	
Temperature Range	32° to 86°F/ 0° to 30°C					
Temperature Stability	±2.0°F/±1.1°C					
Power Requirements ¹ (VAC/Hz/PH)	240/60/3	220/50/3	460/60/3	380/50/3	460/60/3	380/50/3
Cooling Capacity ² @ 35°C ambient (W/BTU)	16,384/ 55,869	14,418/ 50,515	22,361/ 76,251	19,678/ 67,102	33,436/ 114,016	29,424/ 100,336
Standard Pump	1 HP Centrifugal				2 HP Centrifugal	
Maximum Pressure psi (bar)	40 (2.8)	33 (2.3)	40 (2.8)	33 (2.3)	55 (3.8)	46 (3.2)
Maximum Flow gpm (l/min)	50.2 (190)	42 (158)	50.2 (190)	42 (158)	64.7 (245)	53 (200)
Reservoir Capacity (gallons/liters)	16/60.5			45/170		
Overall Dimensions (L x W x H)	56 x 34.5 x 67" (142.2 x 88 x 170.2 cm)				77 x 34.5 x 68.2" (195.5 x 88 x 173.2 cm)	

1. 575/60/3 also available.

2. Cooling capacity based on 35°C/95°F entering air, 49°C/120°F condensing temperature, and 10°C/50°F leaving water. Allowance made for heat gain from pump.

DuraChill™ Chillers are available with a wide selection of factory installed options. Contact us for help in selecting the chiller size and configuration that best meets your heat removal requirements. See pages 109 through 112 for DuraChill™ options and accessories.