

Industrial Chillers



6000 Series

5000 Series

Heating / Refrigerating

from 1/4 HP to 1 HP

Features

- **Cooling capacities from 2728 to 9889 BTU/hour (800 to 2900 watts)**
- **$\pm 0.1^{\circ}\text{C}$ (0.2°F) temperature stability**
- **At a glance access to temperature and pressure / flow rate information**
- **Low flow / high and low temperature alarms**
- **High pressure alarm**
- **Set temperature and operational parameters with a single dial**
- **Remote or ambient temperature tracking capability**

PolyScience Recirculating Chillers are designed to deliver reliable performance over a broad range of operating conditions and applications.

6000 Series Chillers feature an operating temperature range of -10° to 40°C (14° to 104°F) and are available with a selection of cooling capacities, pump types, and control options.

5000 Series Chillers offer the same features and options as the 6000 Series, plus the ability to apply heat up to 70°C (158°F). These chillers are ideal for applications — such as laser cooling — that require that a device be brought up to proper temperature before operation can begin.

For optimum process and equipment protection, PolyScience Recirculating Chillers feature audible and visual high and low temperature and low flow rate

alarms to alert you instantly when operating parameters exceed your pre-set limits. Other standard features include a liquid level indicator, top-mounted fill port with integral filter, washable air filter, and remote control capability through either an optional RS232 interface or an optional remote on/off port.

PolyScience, an ISO 9001:2000 certified company, has been a leading manufacturer of temperature control equipment since 1963. Our commitment to quality assures you of consistently superior products and technical services.

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5000 / 6000 Series Chiller Specifications	
Temperature Range	5000: -10° to 70°C (14° to 104°F), 6000: -10° to 40°C (14° to 104°F)
Temperature Stability	±0.1°C
Reservoir Capacity	1.1 gal. / 4.2 liters
Dimensions, h x w x l	22 ³ / ₈ x 14 ¹ / ₂ x 27 ⁵ / ₈ in. / 57.5 x 36.8 x 70.2 cm
Inlet and Outlet	1/2 inch female NPT Supplied with 1/2 in. and 5/8 in. hose barb adapters
DI Water Package Also Available	



Specifications for Standard 5000 / 6000 Series Chillers with Magnetic Drive Centrifugal Pump

Model	5206 / 6206	5306 / 6306	6506	5706 / 6706	5106 / 6106
Compressor Capacity	1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP
Cooling Capacity @ 20°C 10°C 0°C	800 Watts / 2728 BTU/hr 500 Watts / 1705 BTU/hr 200 Watts / 682 BTU/hr	1200 Watts / 4092 BTU/hr 900 Watts / 3069 BTU/hr 500 Watts / 1705 BTU/hr	1700 Watts / 5797 BTU/hr 1100 Watts / 3751 BTU/hr 750 Watts / 2557 BTU/hr	2500 Watts / 8525 BTU/hr 1700 Watts / 5797 BTU/hr 760 Watts / 2591 BTU/hr	2900 Watts / 9889 BTU/hr 1950 Watts / 6649 BTU/hr 1000 Watts / 3410 BTU/hr
Flow Rate @ 0 PSI	4.1 gpm / 15.5 lpm	4.1 gpm / 15.5 lpm	4.1 gpm / 15.5 lpm	4.1 gpm / 15.5 lpm	4.1 gpm / 15.5 lpm
Pump Pressure	10 psi @ 0 flow rate	10 psi @ 0 flow rate	10 psi @ 0 flow rate	10 psi @ 0 flow rate	10 psi @ 0 flow rate
Shipping Weight	131 lbs / 59.4 kg	143 lbs / 64.8 kg	168 lbs / 76.2 kg	187 lbs / 84.8 kg	189 lbs / 85.7 kg
Volts, Hz, Amps 60 Hz Cat. No.	120V, 60Hz, 10A / 9.5A 5000: 5260M31A110B 6000: 6260M11A110B	120V, 60Hz, 10.7A / 10.4A 5000: 5360M31A110B 6000: 6360M11A110B	120V, 60Hz, 13.5A 6000: 6560M11A120C	208-230V, 60Hz, 9.5A / 9.2A 5000: 5760M41A130D 6000: 6760M21A130D	208-230V, 60Hz, 9.8A / 9.5A 5000: 5160M41A130D 6000: 6160M21A130D
Volts, Hz, Amps 50 Hz Cat. No.	240V, 50Hz, 5.9A / 5.6A 5000: 5250M41A130E 6000: 6250M21A130E	240V, 50Hz, 6.2A / 5.9A 5000: 5350M41A130E 6000: 6350M21A130E	240V, 50Hz, 7.2A 6000: 6550M21A130E	240V, 50Hz, 9.5A / 9.2A 5000: 5750M41A130E 6000: 6750M21A130E	240V, 50Hz, 9.8A / 9.5A 5000: 5150M41A130E 6000: 6150M21A130E

Additional Specifications for 5000 "P" / 6000 "P" Series Chillers with Positive Displacement Pump

Model	5206P / 6206P	5306P / 6306P	6506P	5706P / 6706P	5106P / 6106P
Flow Rate @ 0 PSI	1 gpm / 3.75 lpm	1 gpm / 3.75 lpm	1 gpm / 3.75 lpm	4.0 gpm / 15.1 lpm	4.0 gpm / 15.1 lpm
Pump Pressure	Adjustable 20 - 100 psi	Adjustable 20 - 100 psi	Adjustable 20 - 100 psi	Adjustable 20 - 100 psi	Adjustable 20 - 100 psi
Shipping Weight	141 lbs / 64 kg	153 lbs / 69 kg	178 lbs / 81 kg	197 lbs / 89 kg	199 lbs / 90 kg
Volts, Hz, Amps 60 Hz Cat. No.	120V, 60Hz, 12.5A / 12.2A 5000: 5260P11A110B 6000: 6250P11A110B	120V, 60Hz, 13.5A / 13.1A 5000: 5360P11A110C 6000: 6360P11A110C	120V, 60Hz, 16A 6000: 6560P11A120C	208-230V, 60Hz, 12.2A / 11.9A 5000: 5760P41A130D 6000: 6760P41A130D	208-230V, 60Hz, 12.5A / 12.2A 5000: 5160P41A130D 6000: 6160P41A130D
Volts, Hz, Amps 50 Hz Cat. No.	240V, 50Hz, 7.1A / 6.8A 5000: 5250P21A130E 6000: 6250P21A130E	240V, 50Hz, 7.6A / 7.3A 5000: 5350P21A130E 6000: 6350P21A130E	240V, 50Hz, 8.9A 6000: 6550P21A130E	240V, 50Hz, 12.2A / 11.9A 5000: 5750P41A130E 6000: 6750P41A130E	240V, 50Hz, 12.5A / 12.2A 5000: 5150P41A130E 6000: 6150P41A130E

Additional Specifications for 5000 "T" / 6000 "T" Series Chillers with Turbine Pump

Model	5206T / 6206T	5306T / 6306T	6506T	5706T / 6706T	5106T / 6706T
Flow Rate @ 0 PSI	3.5 gpm / 13.2 lpm	3.5 gpm / 13.2 lpm	3.5 gpm / 13.2 lpm	3.5 gpm / 13.2 lpm	3.5 gpm / 13.2 lpm
Pump Pressure	Adjustable 20 - 90 psi	Adjustable 20 - 90 psi	Adjustable 20 - 90 psi	Adjustable 20 - 90 psi	Adjustable 20 - 90 psi
Shipping Weight	143 lbs / 65 kg	156 lbs / 71 kg	181 lbs / 82 kg	197 lbs / 89 kg	199 lbs / 90 kg
Volts, Hz, Amps 60 Hz Cat. No.	120V, 60Hz, 12.5A / 12.2A 5000: 5260T11A110B 6000: 6260T11A110B	120V, 60Hz, 13.5A / 13.1A 5000: 5360T11A110C 6000: 6360T11A110C	120V, 60Hz, 16A 6000: 6560T11A120C	208-230V, 60Hz, 12.2A / 11.9A 5000: 5760T21A130D 6000: 6760T21A130D	208-230V, 60Hz, 12.5A / 12.2A 5000: 5160T21A130D 6000: 6160T21A130D
Volts, Hz, Amps 50Hz Cat. No.	240V, 50Hz, 7.1A / 6.8A 5000: 5250T21A130E 6000: 6250T21A130E	240V, 50Hz, 7.6A / 7.3A 5000: 5350T21A130E 6000: 6350T21A130E	240V, 50Hz, 8.9A 6000: 6550T21A130E	240V, 50Hz, 12.2A / 11.9A 5000: 5750T21A130E 6000: 6750T21A130E	240V, 50Hz, 12.5A / 12.2A 5000: 5150T21A130E 6000: 6150T21A130E

Performance specifications determined at ambient temperature of 20°C/68°F. For 50Hz units, derate cooling capacity by 17%. Wetted parts are brass, stainless steel, polyethylene, and EPDM rubber. Cooling capacity in watts x 3.41= BTU/hr. Specifications subject to change without notice.