



Polyscience 6700

Technical Specifications

Temperature Set Point Resolution	±0.1°C
Temperature Stability	±0.1°C
Temperature Units	°C or °F
Pressure Units	PSI or kPa
Pressure Display Resolution	1 PSI / 6.9 kPa
Pressure Display Accuracy	±3.5% of full scale (100PSI)
Flow Rate Units	GPM or LPM
Flow Rate Display Resolution	0.1 GPM / 1 LPM
Flow Rate Display Accuracy	+/- 0.4 GPM / 1.5 LPM
Pump Inlet and Outlet	½ inch NPT

Turbine Pump (60Hz)

Model: Rfg = Refrigerating Only
Rfg / Htg = Refrigerating & Heating

Model Type	Rfg	Rfg / Htg	Rfg	Rfg / Htg
Operating Temperature	-10° to 40°C	-10° to 70°C	-10° to 40°C	-10° to 70°C
Compressor	3/4 HP		1 HP	
Cooling Capacity @	2300 watts	7855 BTU/hr	2900 watts	9904 BTU/hr
20°C	1550 watts	5294 BTU/hr	1925 watts	6574 BTU/hr
10°C	875 watts	2988 BTU/hr	1000 watts	3415 BTU/hr
0°C				
Flow Rate @ 0 psi	3.5 gpm / 13.2 lpm		3.5 gpm / 13.2 lpm	
Pump Pressure (adjustable)	20 to 90 psi 138 to 621 kPa		20 to 90 psi 138 to 621 kPa	
Reservoir Capacity	1.1 gal / 4.2 liters		1.1 gal / 4.2 liters	
Shipping Weight	197 pounds 89 kg		199 pounds 90 kg	
208-230 V, 60 Hz Volts Range	187 to 253V			
Amps	11.9A	12.2A	12.2A	12.5A



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Features & Benefits

- large, dual displays show temperature & pressure/flow rate
- compact, portable design takes up less floor space
- cooling at ambient temperatures as high as 35°C
- positive displacement pump
- choice of compressor sizes
- user-adjustable temperature, pressure, & flow rate alarms
- optional external temperature tracking & communications capability

Pumping Curves

