

DuraChill® Portable Chiller Specifications

- Choice of Turbine or Positive Displacement pump
- Intuitive touch screen display with a choice of 5 operating languages
- Home screen simultaneously displays set temperature, actual temperature, fluid pressure, fluid level, air filter status and timer
- Self-changing air filter system eliminates preventative maintenance by automatically changing the filter media at user-definable intervals.
- Continuous fluid level monitoring protects pump and prevents freezing
- Patented Whispercool® noise reduction system reduces operating noise levels to the almost imperceptible levels while maintaining optimal cooling performance
- Reduced global warming potential through a highly optimized refrigeration system design that greatly reduces the amount of refrigerant gas needed in the chiller and allows for migration to natural refrigerants that have little or no global warming potential
- Components are recyclable and meet or exceed global environmental standards
- UV Light Biological Growth Inhibitor System eliminates the need for algacides
- Patent-pending self-diagnostic system compares the chiller's functionality to its operating state the day it was built to minimize operating downtime and unnecessary service calls
- Front-fill reservoir access
- Externally accessible adjustable pressure regulator valve



		CA02	CA03	CA05	CA10
Cooling Capacity @ 20°C	60Hz	0.85 kW	1.4 kW	1.74 kW	2.9 kW
	50Hz	0.7 kW	1.28 kW	1.84 kW	2.65 kW
Cooling Capacity @ 10°C	60Hz	0.6 kW	0.99 kW	1.29 kW	1.93 kW
	50Hz	0.5 kW	0.94 kW	1.29 kW	1.9 kW
Cooling Capacity @ 0°C	60Hz	0.4 kW	0.53 kW	0.77 kW	1.0 kW
	50Hz	0.3 kW	0.49 kW	0.77 kW	1.0 kW
Fluid Temperature Range		-10 to 70°C / 14 to 158°F			
Temperature Stability		±0.1°C			
Displayable Temperature Units		°C or °F			
Displayable Pressure Units		PSI or kPa			
Pump Inlet and Outlet		½ inch female NPT			
Connectivity		RS-232, USB Serial Port Emulation, USB TMC, Dry Contact On/Off/Status			
Selectable Operating Languages		English, Spanish, French, German, Mandarin			
Self-Changing Air Filter		Yes			
UV Biological Growth Inhibitor		Yes			
Optional Remote Temperature Probe		Remote monitoring / Remote control			
Ambient Air Temperature Tracking		Yes			
Pump Pressure Range (Turbine pump)	60Hz	20 to 90 psi / 138 to 689 kPa 20 to 75 psi / 138 to 621 kPa			
	50Hz				
Pump Pressure Range (Positive Displacement pump)	60Hz	45 to 100 psi / 310 to 689 kPa 20 to 83 psi / 138 to 572 kPa			20 to 100 psi / 138 to 689 kPa 20 to 83 psi / 138 to 572 kPa
	50Hz				
Maximum Pump Flow Rate (Turbine pump)	60Hz	3.5 gpm / 13.2 lpm 2.2 gpm / 8.3 lpm			3.5 gpm / 13.2 lpm 2.9 gpm / 11 lpm
	50Hz				
Maximum Pump Flow Rate (Positive Displacement Pump)	60Hz	2.6 gpm / 9.8 lpm 2.0 gpm / 7.6 lpm			3.5 gpm / 13.2 lpm 2.9 gpm / 11 lpm
	50Hz				
Power Requirements (With Turbine pump)	60Hz	120V, 60Hz, 13.7A 240V, 50Hz 8.9A	120V, 60Hz, 16.3A 240V, 50Hz 9.0A	120V, 60Hz, 17.4A 240V, 50Hz 9.2A	230V, 60Hz, 13.5A 240V, 50Hz 13.5A
	50Hz				
Power Requirements (With Positive Displacement pump)	60Hz	120V, 60Hz, 13.6A 240V, 50Hz 8.2A	120V, 60Hz, 16.2A 240V, 50Hz 8.3A	120V, 60Hz, 17.3A 240V, 50Hz 8.5A	230V, 60Hz, 13.4A 240V, 50Hz 12.0A
	50Hz				
Part Number (With Turbine pump)	60Hz	CA02A1T1-41AA1N CA02A2T1-41AA1N	CA03A1T1-41AA1N CA03A2T1-41AA1N	CA05A1T1-41AA1N CA05A2T1-41AA1N	CA10A3T1-41AA1N CA10A2T1-41AA1N
	50Hz				
Part Number (With Positive Displacement pump)	60Hz	CA02A1P1-41AA1N CA02A2P1-41AA1N	CA03A1P1-41AA1N CA03A2P1-41AA1N	CA05A1P1-41AA1N CA05A2P1-41AA1N	CA10A3P2-41AA1N CA10A2P2-41AA1N
	50Hz				
Shipping Weight		169 lbs / 76.7 kg	169 lbs / 76.7 kg	172 lbs / 78.1 kg	177lbs / 80.3 kg
Shipping Dimensions		33 x 22 x 33 in / 84 x 56 x 84 cm			

Note: Specifications are subject to change