ACROSS INTERNATIONAL

C30 Recirculating Chiller Series Specification

Model	C30-10-5L	C30-17-10L	C30-30-20L	C30-40-50L
Electrical Requirements	220V 60Hz 1-PH, (Not compatible with 50Hz power)			220V 60Hz 1-PH, 3960W
Power	1,100W	1,200W	1,990W	
Capacity	10 L (2.6 gallons)	17 L (4.5 gallons)	30 L (8 gallons)	40 L (10.6 gallons)
Compressor	Make: Panasonic (Japan) Power: 208-230VAC 60Hz 1-Ph Number of compressors: 1 Refrigerant: R410A			Make: KK (Thailand) Power: 208-230VAC 60Hz 1-Ph Number of compressor: 1 Refrigerant: R404A
Cooling capacity	32°F/0°C: 1250W 14°F/-10°C: 800W -4°F/-20°C: 300W -22°F/-30°C: 150W	32°F/0°C: 1750W 14°F/-10°C: 1100W -4°F/-20°C: 700W -22°F/-30°C: 300W	32°F/0°C: 2800W 14°F/-10°C: 1800W -4°F/-20°C: 1000W -22°F/-30°C: 500W	32°F/0°C: 5000W 14°F/-10°C: 3000W -4°F/-20°C: 1800W -22°F/-30°C: 1000W
Reservoir	Material: Type 304 stainless steel Chilling fluid connection: ½" hose barb x 2, Drain port: 1/2" NPT Overflow port: 3/8" hose barb			Material: Type 304 stainless steel, polished Chilling fluid connection: 3/4" NPT Drain port: 1/2" NPT Overflow port: 3/8" hose barb
Temperature range	+5°C to -30°C (No load)			
Recirculating pump	Type: Centrifugal Output: 100 watts Pumping speed: 5.3 gallon/min or 20L/min Maximum head: 20 feet or 6 meters Pressure: 5.8 psi			Output: 280 watts Pumping speed: 8 gallon/min or 30L/min Maximum head: 36 ft or 11 m
Coolant outlet pressure	Displayed on the built-in mechanical pressure gauge			
Temperature controller	Type: Digital microprocessor, PID controlled Range: -30°C (-22°F) to Ambient Display unit: Celsius °C			
Temp sensor	Pt100			
Housing	Powder coated type 42 stainless steel			
Recommended coolant	For 50°F/10°C or higher: distilled water Between 50°F/10°C and -22°F/-30°C: 50% ethylene glycol + 50% distilled water			
Casters	Four			
Safety	Compressor over-temp protection, Compressor delay start protection Short circuit and ground protection, Over-current protection			
Unit/Shipping Dimensions	26.5x17x27" / 32x22x36" (W x D x H)	26.5x18x30.5" / 32x23x40" (W x D x H)	30x19.5x34"/ 38x25x45" (W x D x H)	40x25x41" / 46x30x51" (W x D x H)
Unit/Shipping weight	155/210 lbs.	175/235 lbs.	220/280 lbs.	365/480 lbs.
Suggested rotary evaporator	Ai SolventVap 1.3G/5L	Ai SolventVap 2.6G/10L	Ai SolventVap 5.3G/20L	Ai SolventVap 13G/50L
Compliance	UL 61010-1 :2012 Ed.3+R:29Apr2016 CSA C22.2#61010-1 :2012 Ed.3			
Warranty	One Year			

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