

Low Temperature Circulator

Low Temperature Circulator Model CA-1116A



CA-1116A

Product	Low Temp. Circulator	
Model	CA-1116A	CA-1116A-1
Cat No.	268448(220V)	268689 (115V)
Circulation method	Closed loop	
Temp. control range	-20 to 30C (without heater)	
Temp. control accuracy	± 2° C	
Cooling capacity	1200W(1030kcal/h) at liquid temperature 10°C 950W(820kcal/h) at liquid temperature 0°C 650W(560kcal/h) at liquid temperature -10°C	
External circulation (50/60Hz)	Max. flow rate: 12/14L/min, Max. head: 9.5/13m	
Tempe. setting • display	Set by key pad • Digital display min. display 1°C	
Refrigeration unit	Air cooling, Output 650W • Refrigerant R407C	
Safety features	Circuit breaker, Refrigeration unit high pressure switch, Overload relay holding circuit, Refrigeration unit protection timer, Self-diagnostic function of temperature controller, Circulation pump thermal protector	
Bath dim' s(mm) • Capacity	ID280 x 270H • 16.5L(Liquid volume 14L)	
Overall dim' s • Net weight	340(354)Wx384Dx851H(940) • 41kg	
Power	5.5A AC220V 1.07kVA 50Hz 11A AC115V 1.1kVA 60Hz	

Compact Low Temperature Circulator Model CCA-1112A



CCA-1112A

Product	Compact Low Temp. Circulator	
Model	CCA-1112A	
Cat No.	268458 (220V)	268459 (115V)
Circulation method	Closed loop	
Temp. control range	-20 to 30°C (without heater)	
Temp. control accuracy	± 2°C (Setting -20 to 0°C), ± 1°C (Setting 0 to 20°C)	
Cooling capacity	10°C	450W(397kcal/h)
(at liquid temperature)	-10°C	310W(266kcal/h)
External circulation (50/60Hz)	Max. flow rate 9/10L/min Max. head 4.2/5.6m	
Temp. control	Refrigeration unit ON-OFF control	
Temp. setting • display	Set by key pad • Digital display, Min. display 1°C	
Safety Features	Circuit breaker, Overload relay holding circuit, Refrigeration unit protection timer, Self-diagnostic function of temperature controller, Circulation pump impedance protector	
External input • output	Port for vacuum controller NVC-3000, rotary evaporator N-1210B	
Refrigeration unit • Refrigerant	Air cooling, Output 450W • R404A	
Cooling coil	SUS316	
Inlet/Outlet nozzle size	One-touch connector ID10mm One-touch hose nozzle OD10mm	
Bath material • Dim' s(mm) • Capacity	SUS304 • 130Wx230Dx115H • 3.2L(Liquid 2.7L)	
Ambient temperature	5 to 35°C	
Overall dim' s (mm) • Net weight	205Wx405Dx547H • 28kg	
Power	3.6A, 800VA • AC220V 50Hz 8A, 800VA • AC115V 60Hz	