

EYELA

CoolAce® CA-1112A-CE

Low Temperature Circulator

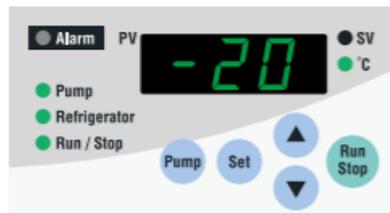


User-Friendly Design



360°C Circulation Nozzle

Control Panel



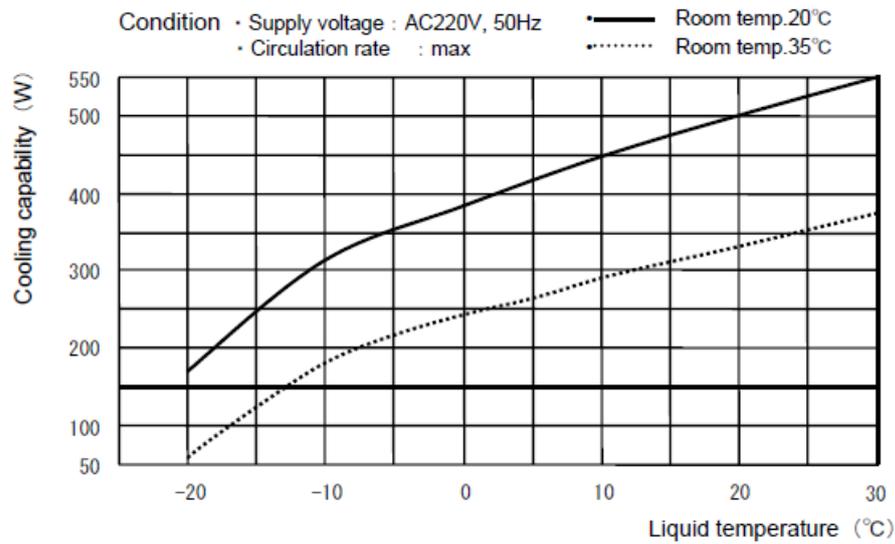
NEW FEATURES!

- Smaller Footprint of 205W×445D mm
- Wide Temperature Range from -20 to 30 ° C, which leads to wide application
- Interlock Function with Evaporator via NVC-3000 Vacuum Controller using communication cable (COM-0.5M, Optional)
- Using Communication Cable (CC-2M, Optional) to interlock with the evaporator (N-1210B)
- RoHS Compliant Product



	Model	CA-1112A-CE
	Cat No:	274758
	Circulation Method	Air Cooled. Closed Loop Circulation
	Temp. Control Range	-20 to 30 °C (without heater)
Performance	Temp. Control Accuracy	+/- 1°C (Setting: 30 - 0 °C) +/- 2°C (Setting: -1 - -20 °C)
	Cooling Capacity (at liquid temp.)	10°C 450W (387kcal/h) 0°C 350W (300kcal/h) -10°C 310W (266kcal/h)
	Circulation Capability (50/60Hz)	Max. flow rate 9/10L/min Max. pressure 4.2/5.6m
Function	Temp. Control	Refrigerator ON-OFF Control
	Temp Setting & Display	Sheet Key Digital Setting Measured Temperature Set Temperature Change-Over Type Digital Display (Resolution 1°C)
	Safety Features	* Fuse (Rated: 6.3A) * Refrigerator Overload Relay * Self-Diagnosis Function (Refrigerator Abnormality, Sensor Abnormality, Temperature U Upper Limit and Lower Lmit Alarm, Watch Dog) * Refrigerator Protection Timer * Circulation Pump Impedance Protect
	Optional Function	* Flow Control Valve * Metallic Nozzle * Insulated Hose Set * Cart * Product Retainer * Cooling Water Communication Cable * Communication Cable (NVC-3000 Type Interlocked)
Configuration	Temperature Controller	Electronic Digital Setting · Digital Display
	Temperature Sensor	Pt Sensor (100 Ω)
	Refrigeration Unit · Refrigeratnt	Air Cooling, 450W, HFC R-404A
	Bath & Material	Total Capacity about 3.2L Actual Capacity about 2.7L Material SUS 304
	Bath Dimension	130W x 230D x 115H (mm)
	Cooling Coil	Stainless (SUS 316L)
	Dimeter of Circulation Nozzle	OD 10 x ID 6.5 mm
Specification	Opeation Ambient Temperature	5-35 °C (Indoor Use Only)
	Operating Ambient Humidity	30 - 75 % RH (Indoor Use Only)
	Overall Dimensions	205W x 445D x545H (mm)
	Mass	Approx. 28kg
	Power Input	4A, 0.8kVA
	Rated Power Supply	AC220V +/- 10%, 50Hz

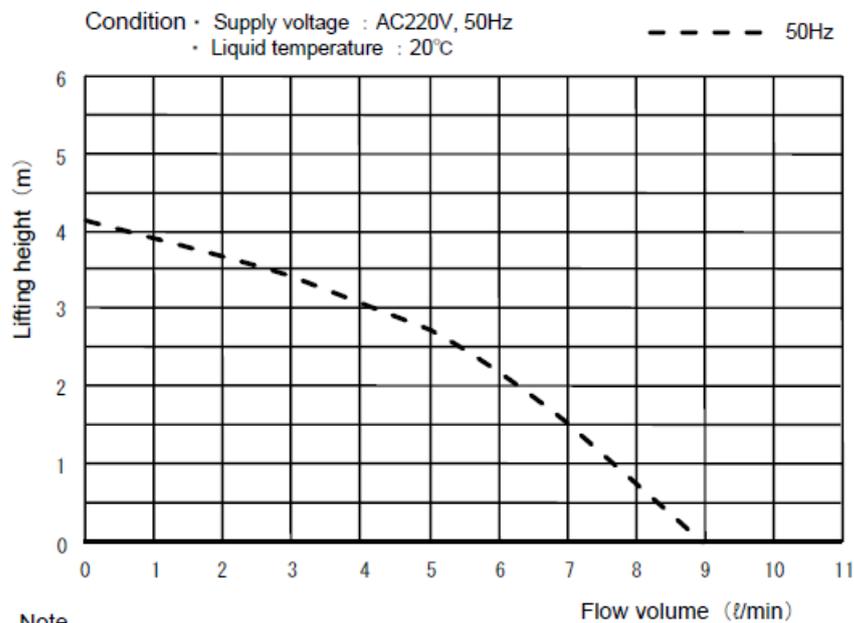
Cooling Capability Curve (Reference Data)



Note:

- Cooling capability differs depending on room temperature, supply power voltage , type of solvent, condition of stirring in the bath and etc.
- Always keep the thermal load below the cooling capacity.
 The ideal state is that the refrigerator is turned ON/OFF for temperature control.

Circulation Capability (Reference Data)



Note

- * Circulation capability differs depending on diameter of nozzle, piping, type of solvent and other conditions.
- * If you conduct sealed operation for circulation pump, it may cause malfunction on the pump.

OPTIONAL ASSESORIES

HOSE

One touch insulated hose (Applicable Temperature - 20 to 40 ° C)



Product Code: 244940

Bore size 6.5 x OD 10 mm 2 m

Product Code: 245950

Bore Size 6.5 x OD 10mm 5m

Insulated hose set (Applicable temperature - 30 to 80 ° C)

Bore size	length	Product code
9.0 mm	1 m	112690
	2 m	112700
	5 m	174420
12.0 mm	1 m	113280
	2 m	143330
	5 m	174440
15.0 mm	1 m	113290
	2 m	143340
	5 m	174460

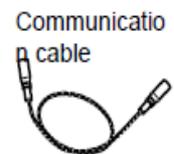
COMMUNICATION CABLE

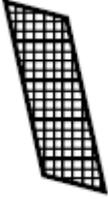
Communication Cable using with NVC-3000

MODEL	Part No.	Remarks
COM-0.5M	269450	For the Operation Method, refer to the operation manual of Type NVC-3000
COM-1M	269460	For the Operation Method, refer to the operation manual of Type NVC-3000
COM-2M	269470	For the Operation Method, refer to the operation manual of Type NVC-3000

Communication Cable A for Cooling

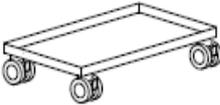
CC-2M	252200	For the Operation Method, refer to Operation Manual CCA-1112A-CE
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Filter			Drain Stopcock			90°C Elbow			One -Touch Nozzle		
											
Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty
260480	CA-1112A-CE Filter	1	148850	For CA, NCB	1	247180	2/8 x Ø 10	2	247210	Ø 10 x Ø 7	2

Ball Valve			Bath Cover Set			Stainless Bath Cover			Fuse		
											
Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty	Code No.	Descripton	Q'ty
247190	3/8 x 3/8	1	274470	CA-1112A-CE Bath Cover	1	188060	For CA-1112A-CE	1	274740	For CA-1112A-CE	2

Cart

		
Code No.	Descripton	Q'ty
260460	CA-1112A-CE	1

Metal Nozzle Set

Model	AL-1	AL-2	AL-6	AL-8
Nozzle O.D. (Material)	Ø10.5 (Brass)	Ø13.5 (Brass)	Ø10.5 (SUS)	Ø13.5 (SUS)
Part No.	242420	243950	243970	243980



Circulation Nozzle A

Model	A-1	A-2
Nozzle O.D. (Material)	Ø10.5 R3/8 (Brass)	Ø13.5 R3/8 (Brass)
Part No.	113110	113120



EYELA is a scientific equipment manufacturer for Research & Development and Quality Control. We self-develop, manufacture and distribute our products to all over the world. Wide product ranges consists of evaporator, chiller, chemical synthesizer, peristaltic pumps, high & low temperature incubators, freeze dryers etc.



Your EYELA Partner:



TOKYO RIKAKIKAI CO., LTD
www.eyelaworld.com

TN Koishikawa Bldg.
1-15-17, Koishikawa, Bunkyo-ku,
Tokyo, 112-0002 Japan,