



# Precision Chiller

## Model **RJ-XA**



Global Warming Potential GWP = 573  
Compliance with new US regulations



Temperature Stability  $\pm 0.1^{\circ}\text{C}$   
Repeatable chamber conditions  
under heat load fluctuations



Energy Saving  
Efficient Inverter  
control



Heat Transfer Fluids  
Engineered for Fluorocarbon  
and non-PFAS fluids



Compact Design  
Flexibility and rack mount



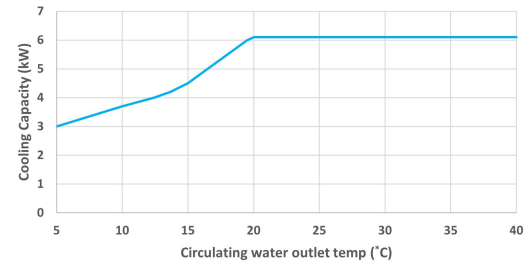
Local Service and Support  
Repairs & exchange by Ebara's  
sub-fab service network



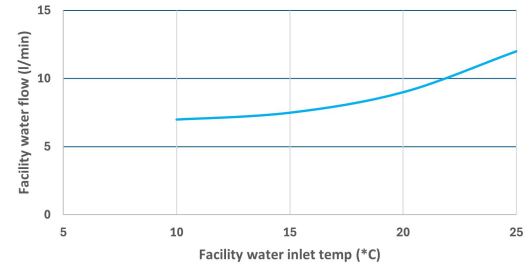
# Specifications

Model	RJ-XA1V-21			
Performance	Temperature control range	°C	5 to 40	
	Temperature control accuracy	°C	±0.1 (Energy saving mode : ±2.0°C)	
	Cooling capacity (50/60 Hz)	kW	6.1(20°C), 3.7(10°C)	
Installation	External dimensions (H × D × W)	mm	1150 x 1050 x 375	
	Product weight (dry)	kg	160	
	Operating ambient temp / humidity	°C, %	10 to 35 / 30 to 80%	
Circulating Fluid	Operating pressure	MPa	0.1 to 0.5	
	Connection size inlet/outlet		Rc1/2	
Facility water	Temperature range	°C	10 to 25	
	Max. Operating pressure	MPa	0.69	
	Connection size inlet/outlet		Rc1/2	
Electrical Power	Power source	V(Hz)	3Phase, 200 ~ 208±10% (50/60)	
	Consumption	kW	1.7	
	Current	A	5.4	
	Power supply capacity	kVA	2.3	
Equipment Details	Compressor	kW	Fully closed rotary type (Inverter driven) 1.49	
	Circulating pump	Type	Horizontal multistage centrifugal pump	
		Output	0.74 (Inverter driven)	
		Required flow	L/min	12 to 32
		Tank capacity	L	Approx. 17
		Water supply method		Manual Fill
		Refrigerant	g	770, (R513A GWP: 573)
Comms	Temperature controller		Digital electronic	
	Standard		RS-485, Modbus	
Safety Devices	Compressor		Inverter current sensor	
	Circulating pump		Inverter electronic thermal	
	Refrigerant circuit		High pressure switch	
	Water Circuit		Float switch (Low & High level alarm)	
	Leak detector		Leak Sensor	
	Standards Compliance		NRTL/CSA, CE, SEMI (S2,S8,F47)	

Cooling Capacity RJ-XA1V-21



Facility Water Requirements RJ-XA1V-21



Pump Performance RJ-XA1V-21

