Peltier-Type Chiller
Thermo-con (Air-cooled)

CE

c MET us   ETL LISTED

RoHS

Series *HEC-A*

How to Order

HEC **002** – **A** **5** **B** – ☐

Cooling capacity

002	230 W
006	600 W

Radiating method

A	Air-cooled

Power supply

5	100 to 240 VAC

Communication

A	RS-485
B	RS-232C

∗ Select B when communication is not used.

Option

Nil	None
F	With flow switch
N	NPT thread
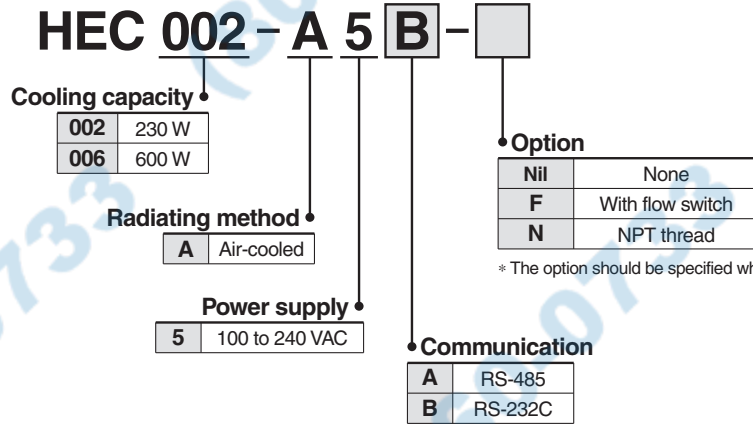
∗ The option should be specified when ordering.

Specifications (For details, please consult our "Product Specifications" information.)

	Model	HEC002-A5A	HEC002-A5B	HEC006-A5A	HEC006-A5B
	Cooling method	Thermoelectric device (Thermo-module)			
	Radiating method	Forced air cooling			
	Control method	Cooling/Heating automatic shift PID control			
	Ambient temperature/humidity	50 to 95°F (10 to 35°C), 35 to 80%RH (no condensation)			
Circulating fluid system	Circulating fluid	Clear water			
	Operating temperature range	50 to 140°F (10 to 60 °C) (no condensation)			
	Cooling capacity	230 W Note 1)		600 W Note 2)	
	Heating capacity	600 W Note 1)		900 W Note 2)	
	Temperature stability Note 3)	±0.018 to ±0.054°F (±0.01 to ±0.03°C)			
	Pump capacity	Refer to performance chart.			
	Tank capacity	Approx. 0.32 gal (1.2 L)			
	Port size IN/OUT	Rc1/4		Rc3/8	
	Port size Drain	Rc1/4 (with plug)			
	Wetted parts material	Stainless steel 303, Stainless steel 304, EPDM, Ceramics, PPS glass 30%, Carbon, PE, Polyurethane			
Electrical system	Power supply	Single-phase 100 to 240 VAC ±10%, 50/60 Hz			
	Overcurrent protector	15 A			
	Current consumption	8 A (100 VAC) to 3 A (240 VAC)		10 A (100 VAC) to 4 A (240 VAC)	
	Alarm	Refer to alarm function.			
	Communications	RS-485	RS-232C	RS-485	RS-232C
	Weight	Approx. 38.6 lbs (17.5 kg) (including foot for fixing)		Approx. 60.6 lbs (27.5 kg) (including foot for fixing)	
	Accessories	Power cable, Foot for fixing			
	Safety standards	CE marking, UL (NRTL) standards, Safety standard for medical equipment (IEC 60601-1)		CE marking, UL (NRTL) standards	

Note 1) Conditions: Set temperature 77°F (25°C), Ambient temperature 77°F (25°C), Circulating flow rate 0.79 gpm (3 L/min)
Note 2) Conditions: Set temperature 77°F (25°C), Ambient temperature 68°F (20°C), Circulating flow rate 2.11 gpm (8 L/min)
Note 3) The indicated values are with a stable load without turbulence in the operating conditions. It may be out of this range in some other operating conditions.

SMC