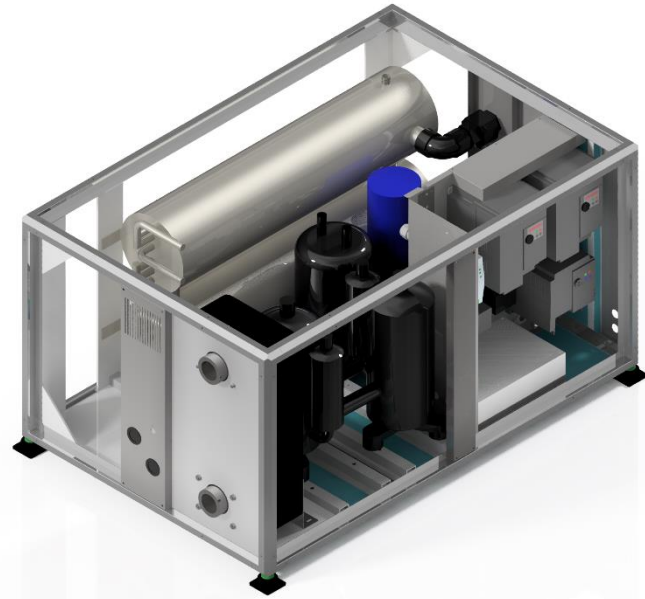


CI50E2

DATASHEET



Cooling capacity KW	min 5	std 45	max 50
Cooling power source KW	min 2	std 7,5	max 14
Heating capacity KW	min 5	std 45	max 55
Heating power source KW	min 2	std 7,5	max 14

Power supply:

380 - 440 Vac / 50-60 Hz 3ph
700 Vdc on request

Sea water pump:

Magnetic type. Centrifugal 400 lt/min 1,2kw included in compressor unit power.

Water pipe size:

1" 1/2

Size W x D x H:

1257 x 820 x 650 mm

Weight:

169 Kg

Sea water working range:

+3°C to +40°C Option polar water: -5°C

Air working range:

-20°C to +50°C

Noise:

Compressor @ 140 hz – 73db @ 1 meter from box

Vibration:

No significant vibration transmitted to the feet

Compressor box use VRV inverter architecture with refrigerant circulation inside air handler

Databus rs485 modbus on board

System based on Toshiba VFD and twin rotary compressor



CONDENSER:

Titanium Grade 2. No fouling, no corrosion. 3 times lighter than copper nickel



COMPRESSOR:

Toshiba inverter twin rotary. COP > 4

Rotation speed: 600 to 6000 rpm



FRAME:

Aluminum silver anodized, Stainless Steel 316



SOFTWARE MANAGEMENT:

Compressor high temperature, low temperature, high pressure condenser, low pressure compressor, electronic pressure gas, electronic pressure liquid, Condensation control, Evaporation control



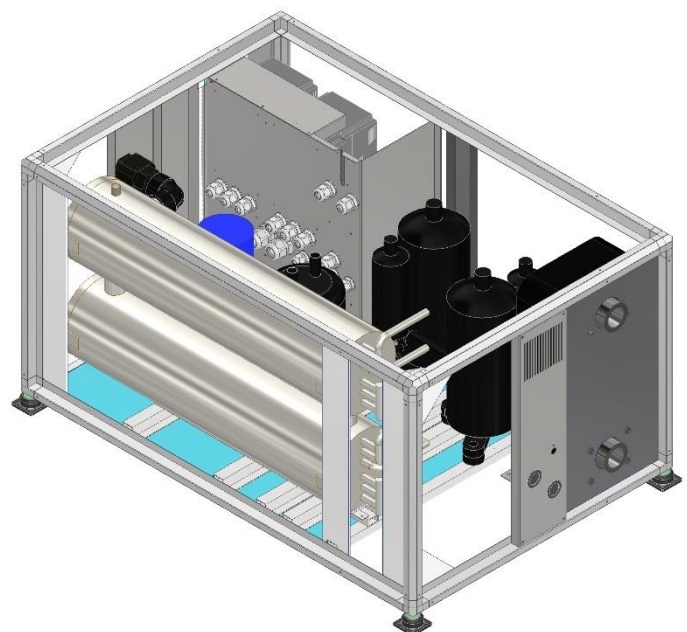
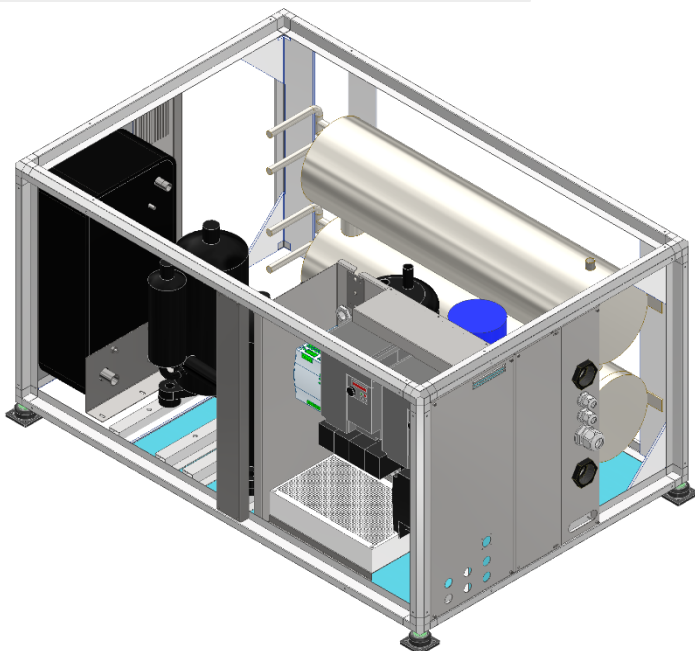
COMPRESSOR PROTECTION:

Over/undervoltage, overcurrent, torque, winding temperature, stepout (bad lubrication), power input, power output, efficiency, overload, oil level with infrared optical sensor



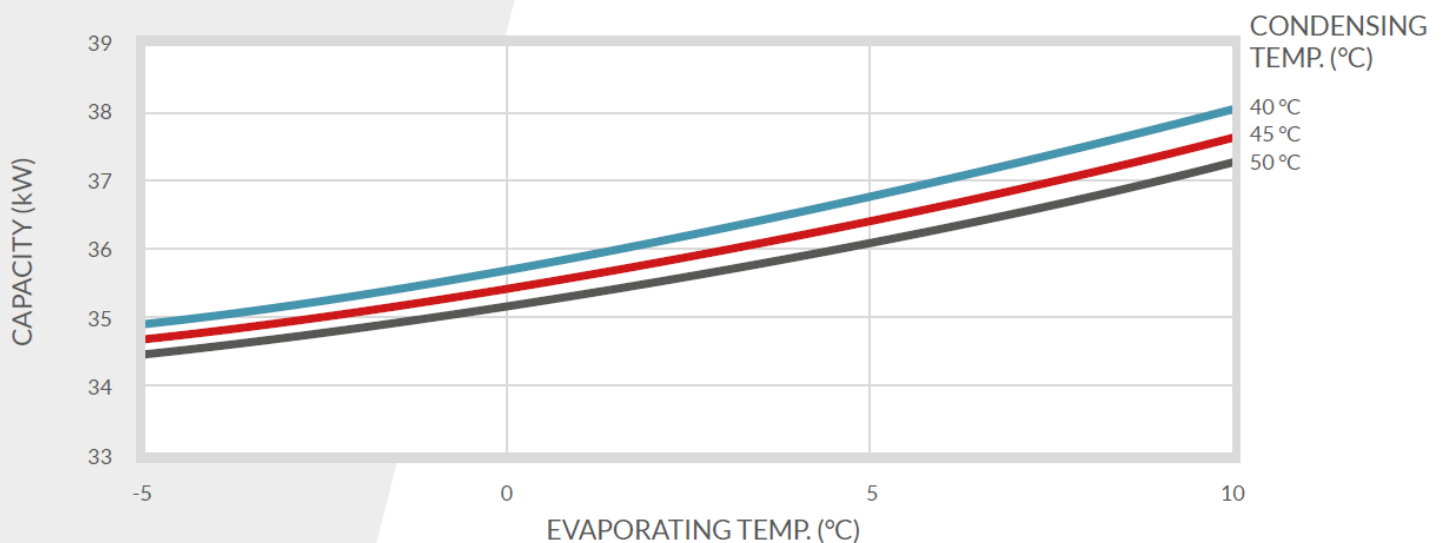
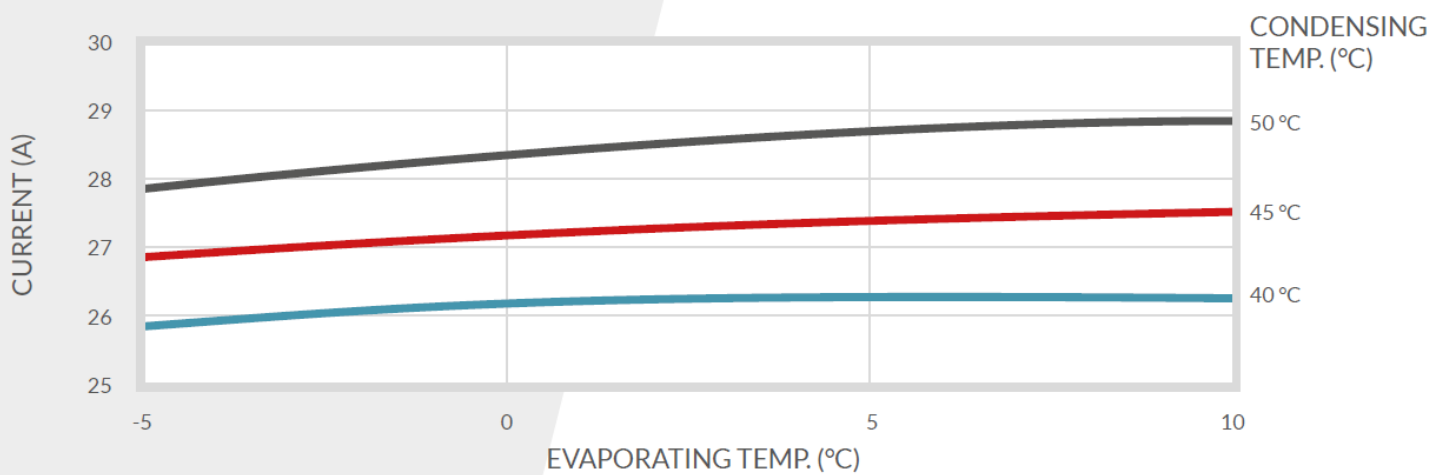
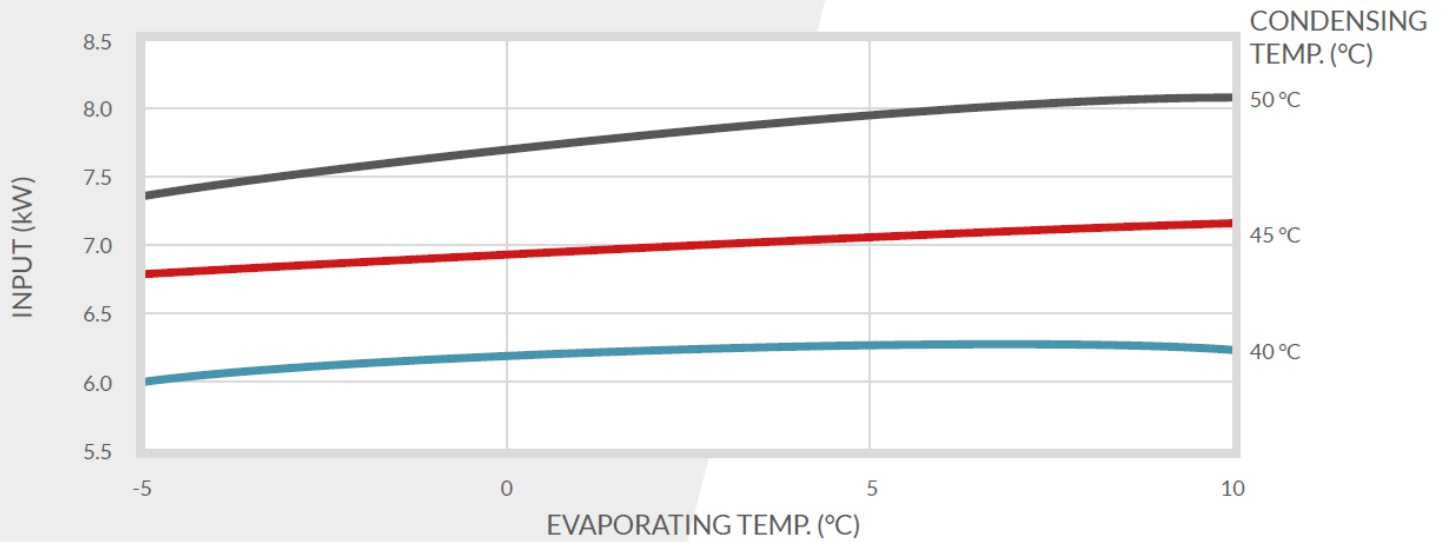
ELECTRONIC:

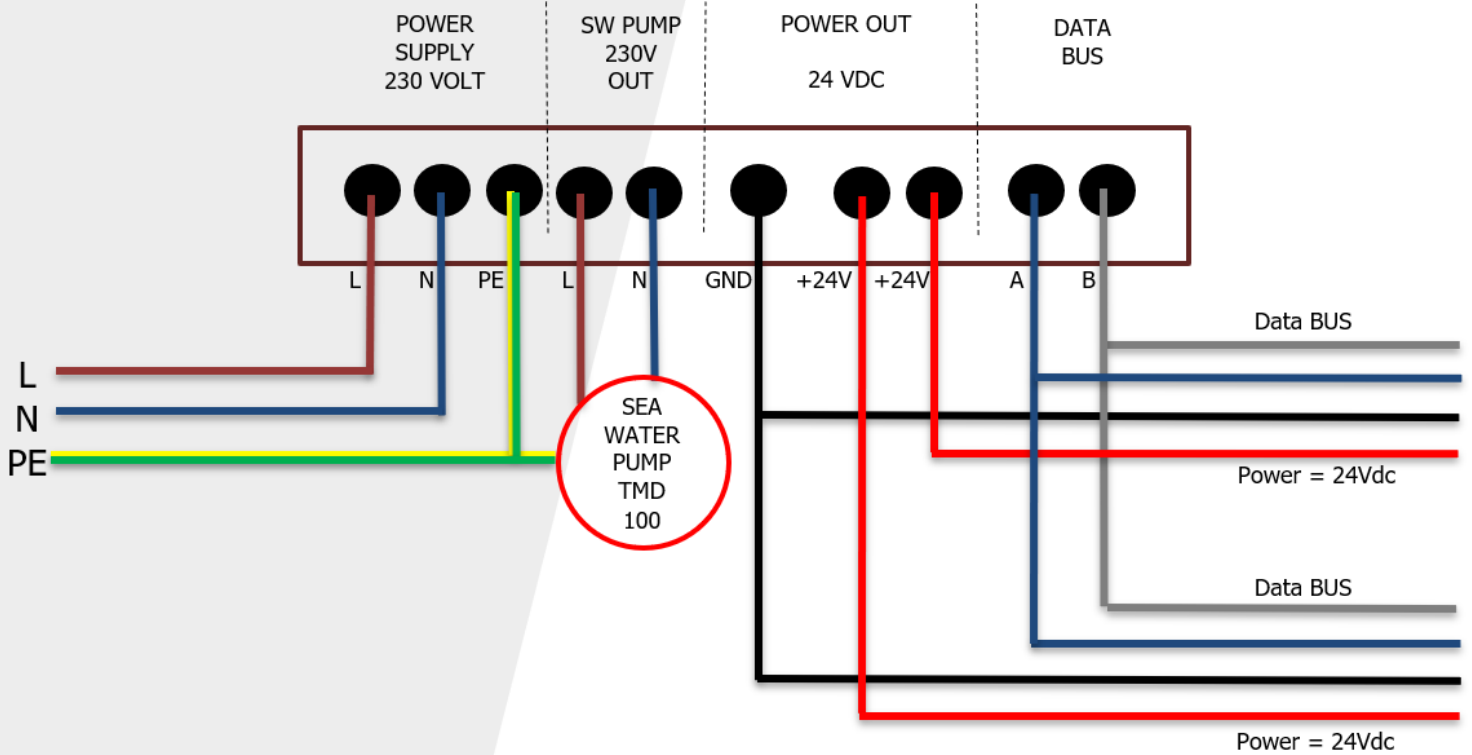
Microprocessor board with rs485 modbus rtu communication. Interface to Termodinamica air handling unit or fresh air unit



CI50E2

PERFORMANCE CURVE DC INVERTER 70 rps/100





CI50E2

OVERALL DIMENSIONS

