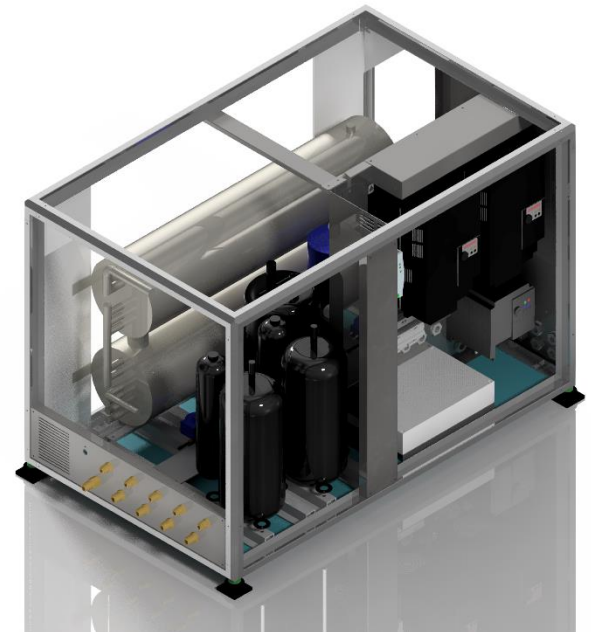


VRV80E2

DATASHEET



Cooling capacity KW	min 8	std 64	max 80
Cooling power source KW	min 2	std 13	max 20
Heating capacity KW	min 8	std 64	max 88
Heating power source KW	min 2	std 13	max 20

Power supply:	380 - 440 Vac / 50-60 Hz 3ph 700 Vdc on request		
Sea water pump:	Magnetic type. Centrifugal 500lt/min 1,7kw included in unit power consumption.		
Size W x D x H:	1222 x 720 x 780 mm		
Weight:	176 Kg		
Sea water working range:	+3°C to +40°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		
Sea water pipes connection:	2"		
Refrigerant pipe:	5 x 5/8" Gas	5 x 1/2" Liquid	

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



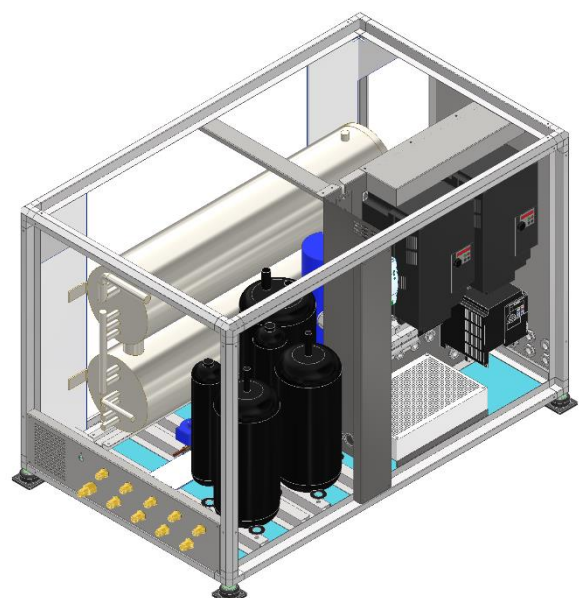
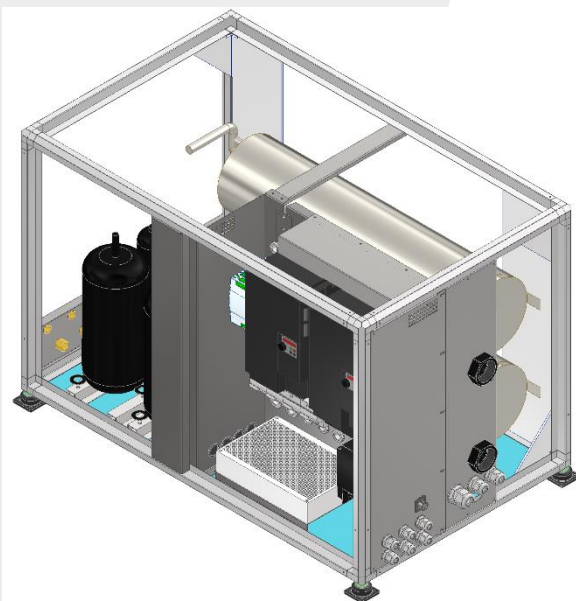
COMPRESSOR PROTECTION:

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

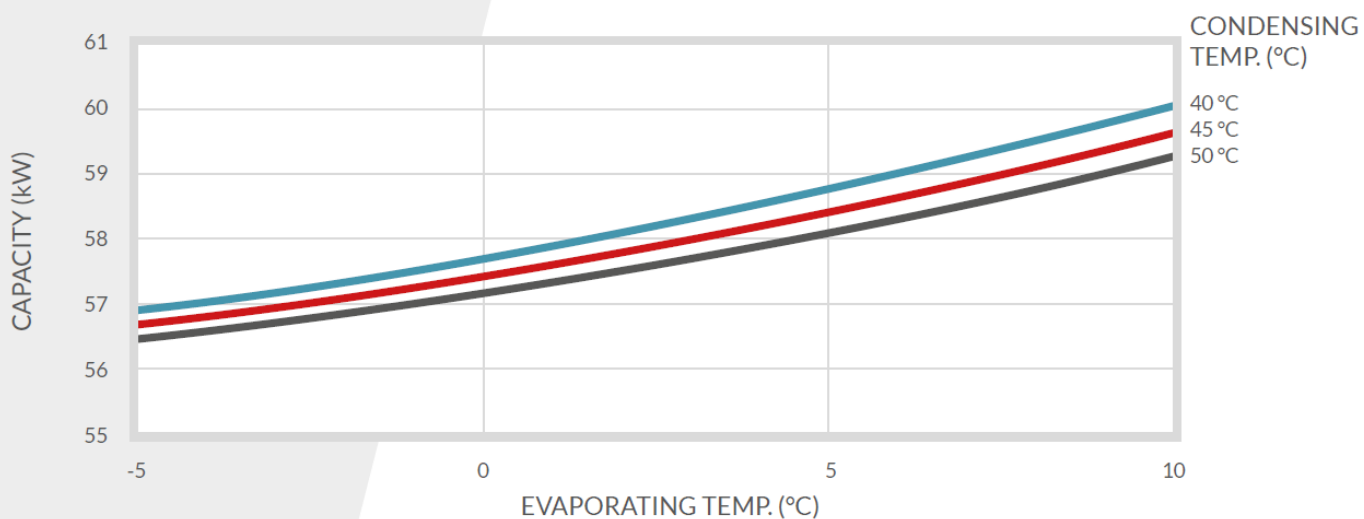
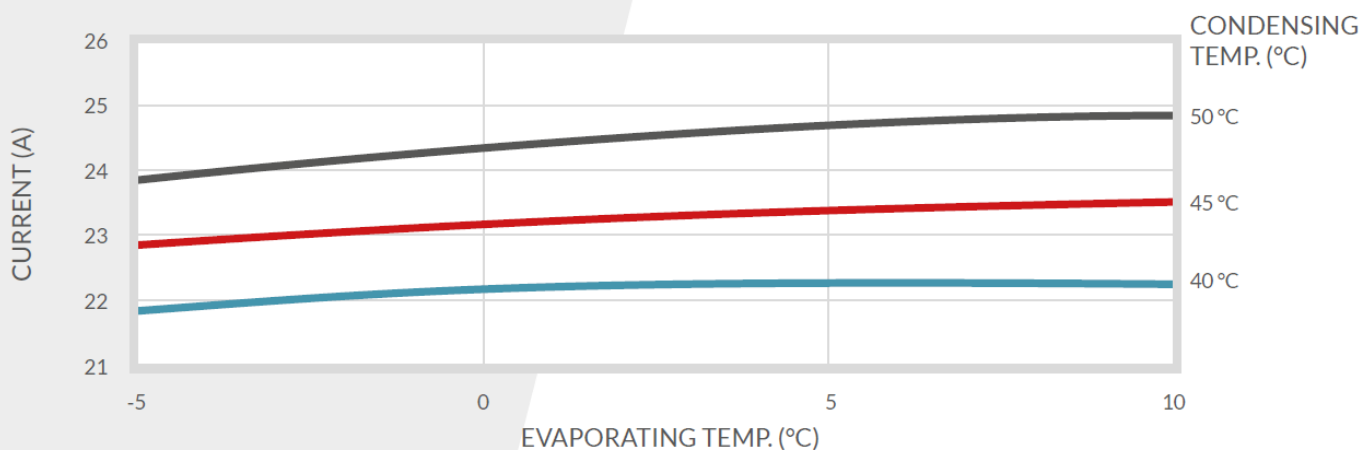
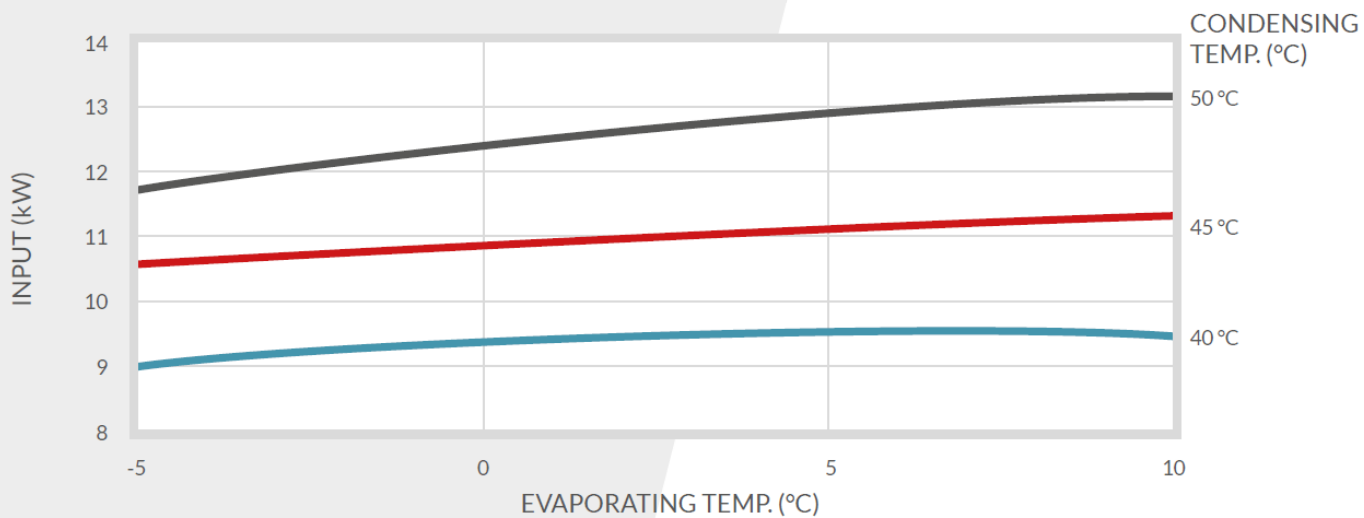


ELECTRONIC:

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

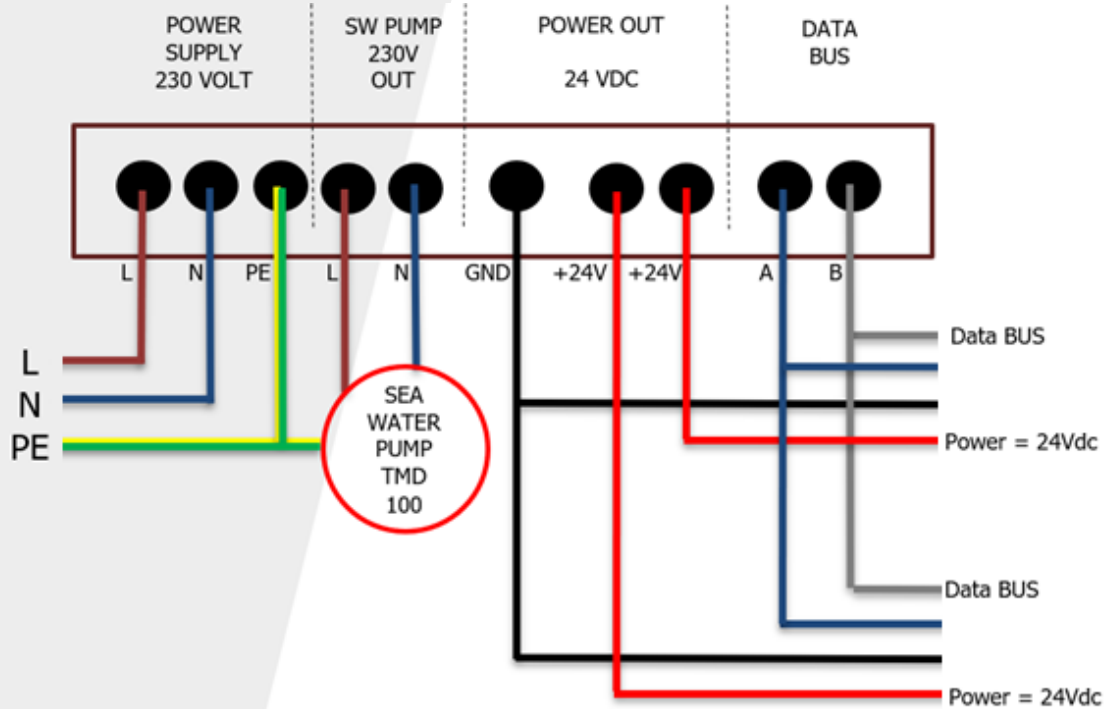


VRV80E2 PERFORMANCE CURVE DC INVERTER 70 rps/100



VRV80E2

ELECTRICAL CONNECTIONS



VRV80E2

OVERALL DIMENSIONS

