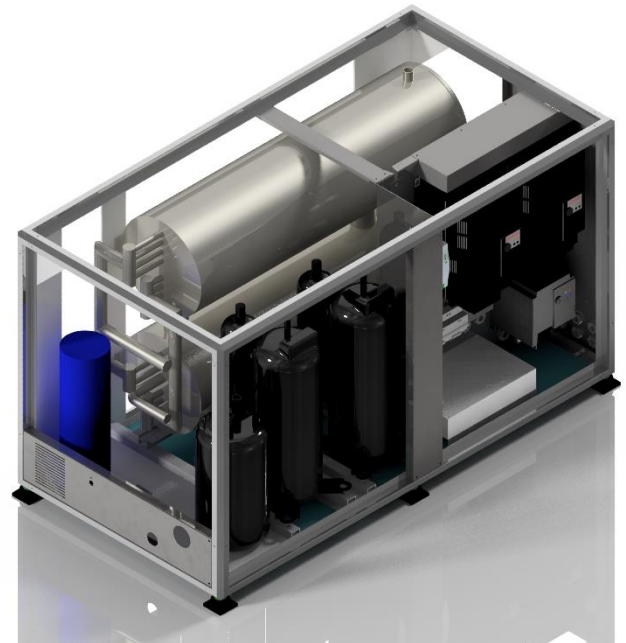


# VRV100E2

## DATASHEET



Cooling capacity KW	min 10	std 80	max 100
Cooling power source KW	min 3	std 16	max 25
Heating capacity KW	min 10	std 80	max 110
Heating power source KW	min 3	std 16	max 25

**Power supply:**

**Sea water pump:**

**Size W x D x H:**

**Weight:**

**Sea water working range:**

**Air working range:**

**Noise:**

**Vibration:**

**Sea water pipes connection:**

380 - 440 Vac / 50-60 Hz 3ph

Magnetic type. Centrifugal. 500lt/min 1,7kw included in unit power consumption.

1387 x 710 x 780 mm

192 Kg

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

-20°C to +50°C

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

No significant vibration transmitted to the feet

2"

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

# VRV100E2 MAIN FEATURES



## 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



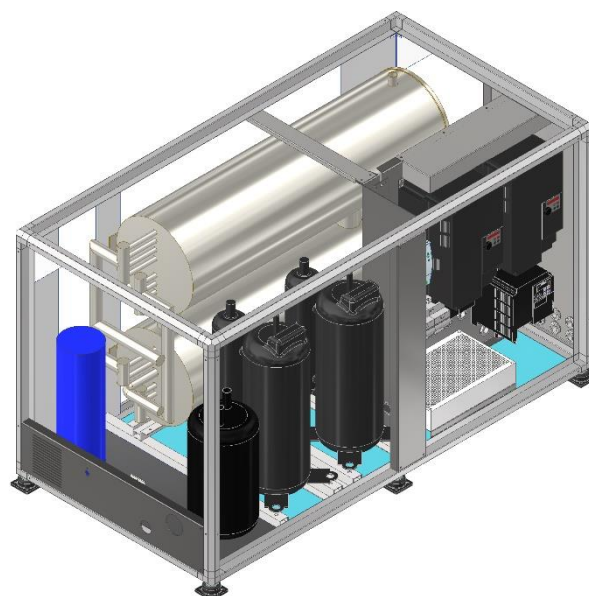
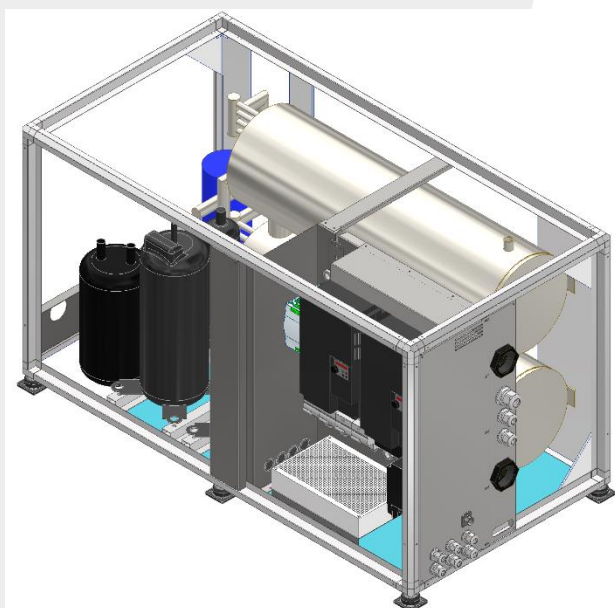
## COMPRESSOR PROTECTION:

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



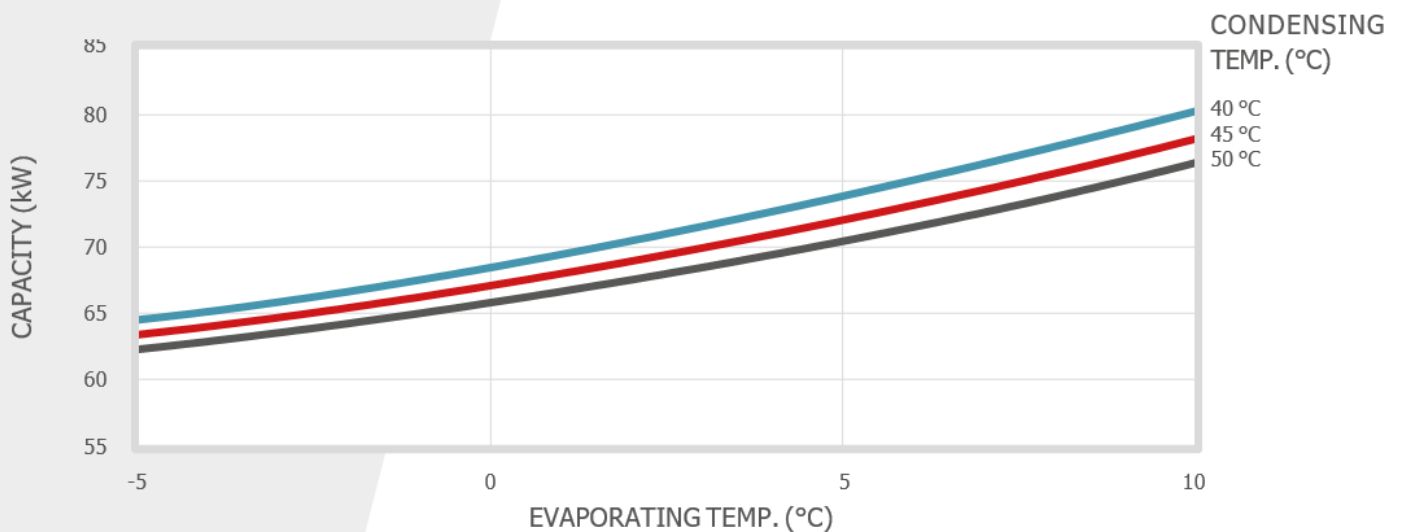
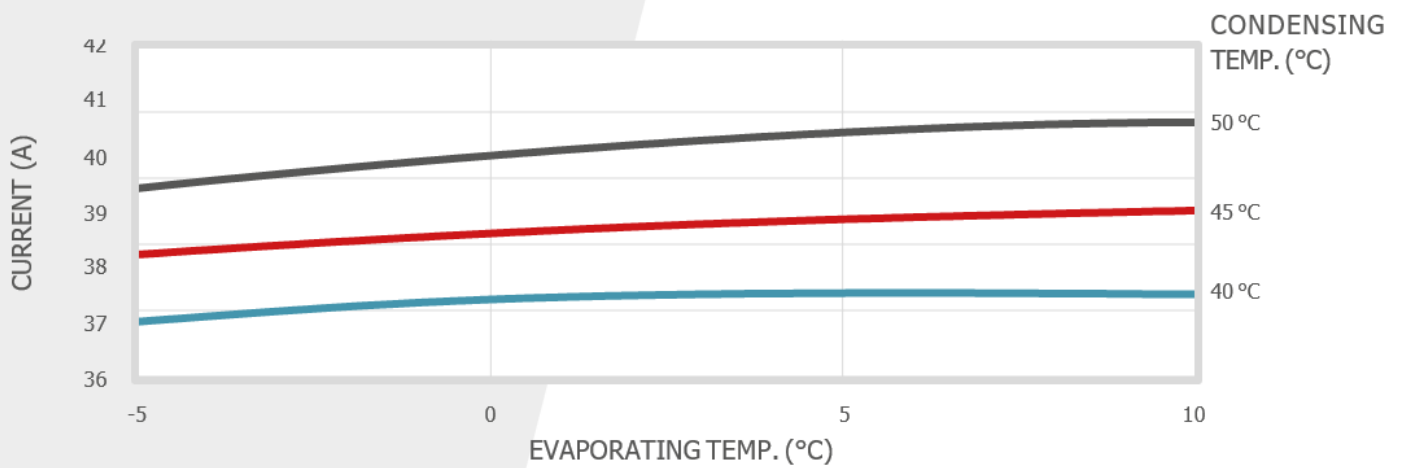
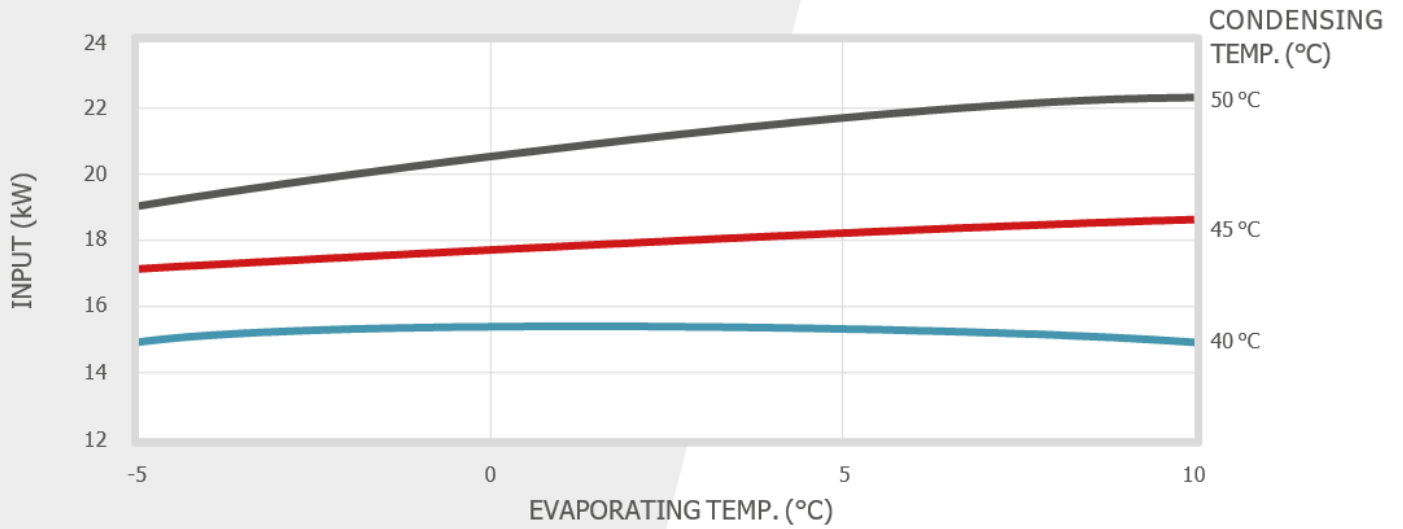
## ELECTRONIC:

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



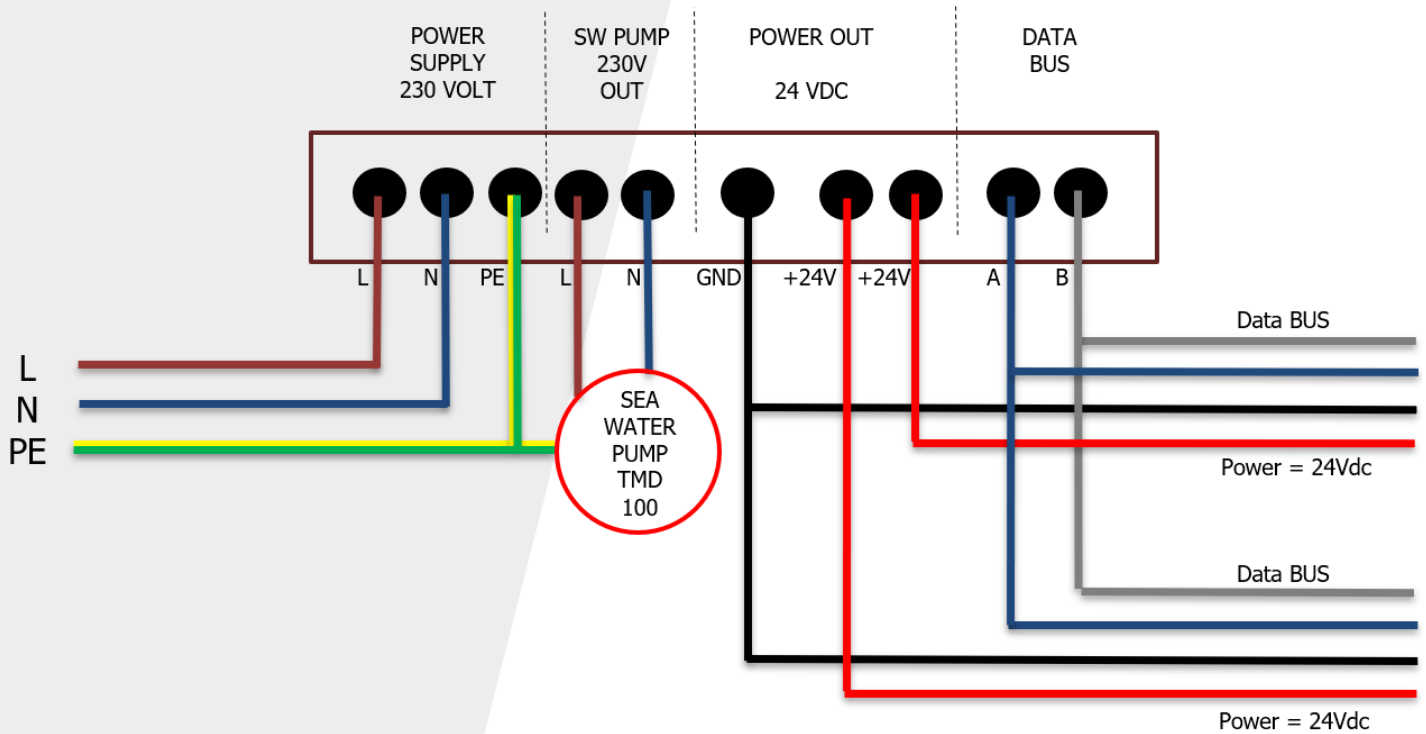
# VRV100E2

## PERFORMANCE CURVE DC INVERTER 70 rps/100



# VRV100E2

## ELECTRICAL CONNECTIONS



# VRV100E2

## OVERALL DIMENSIONS

