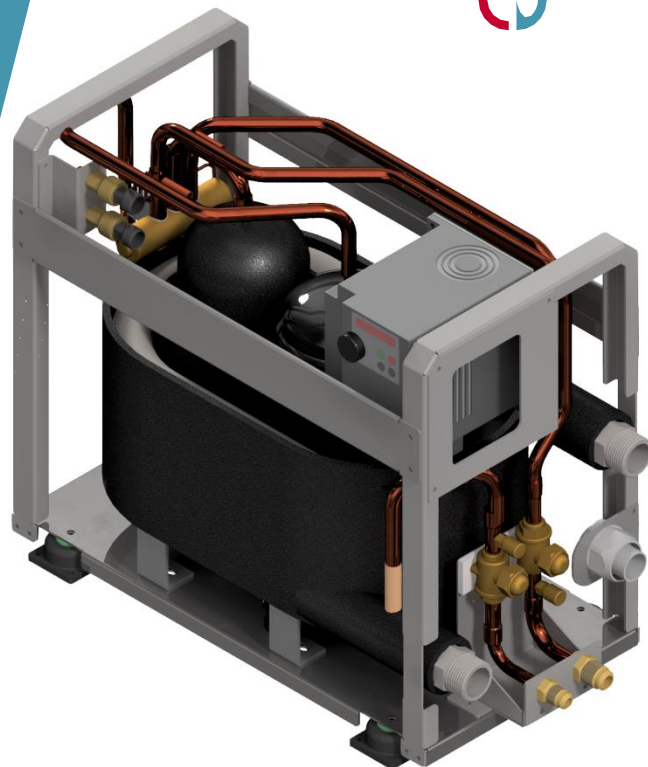


# VRT8E1

## DATASHEET



Cooling capacity KW	min 1,4	std 5	max 8
Cooling power source KW	min 0,4	std 0,8	max 1,5
Heating capacity KW	min 1,4	std 5	max 8
Heating power source KW	min 0,4	std 0,8	max 1,5

**Cooling / Heating capacity:**

**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:**

**Refrigerant pipe:**

Comparable to 35.000 BTU/h of the competitors.

180 - 250 V 1Phase / 50-60Hz

Magnetic type 180 watt included in unit power consumption.

100 lt/min

500 x 247 x 385 mm

22 Kg

+3°C to +40°C

Option polar water: -5°C

-20°C to +50°C

Compressor @ 140 hz – 65db @ 1 meter from box

No significant vibration transmitted to the feet

1" BSP

1/2" Gas

3/8" Liquid

Compressor box use VRV inverter architecture with refrigerant circulation inside air handler  
Databus rs485 modbus on board

24Volt @ 100watt power supply integrated in compressor unit for 4 air handlers management  
System based on Toshiba VFD and twin rotary compressor



### CONDENSER:

Titanium Grade 2. No fouling, no corrosion. 3 times lighter than copper nickel  
Titanium is an everlasting material that assure to your system long reliability



### COMPRESSOR:

Toshiba inverter twin rotary. COP > 4



### FRAME:

Stainless Steel 316



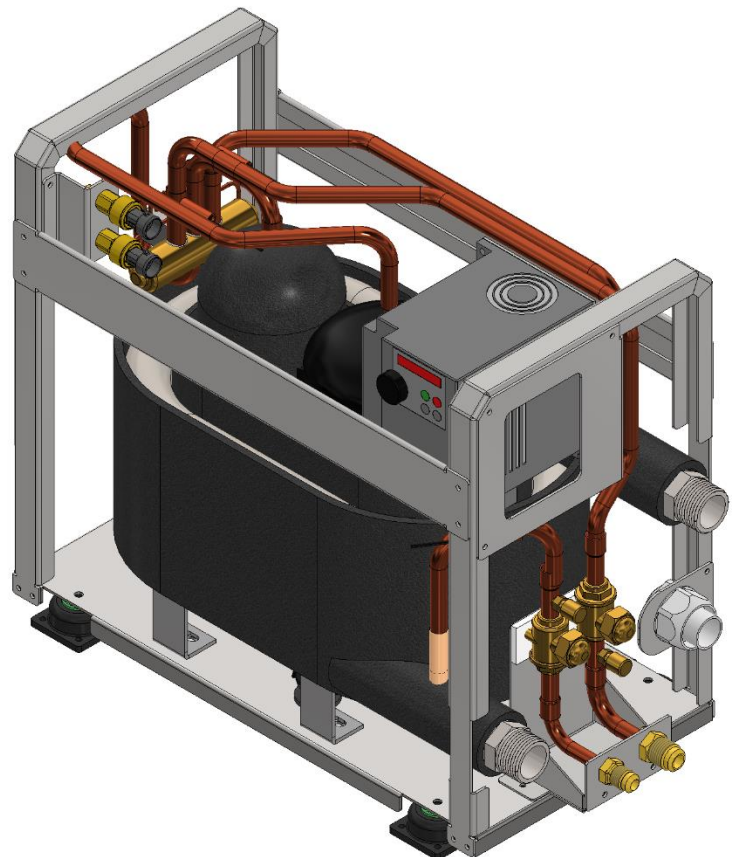
### SOFTWARE MANAGEMENT:

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



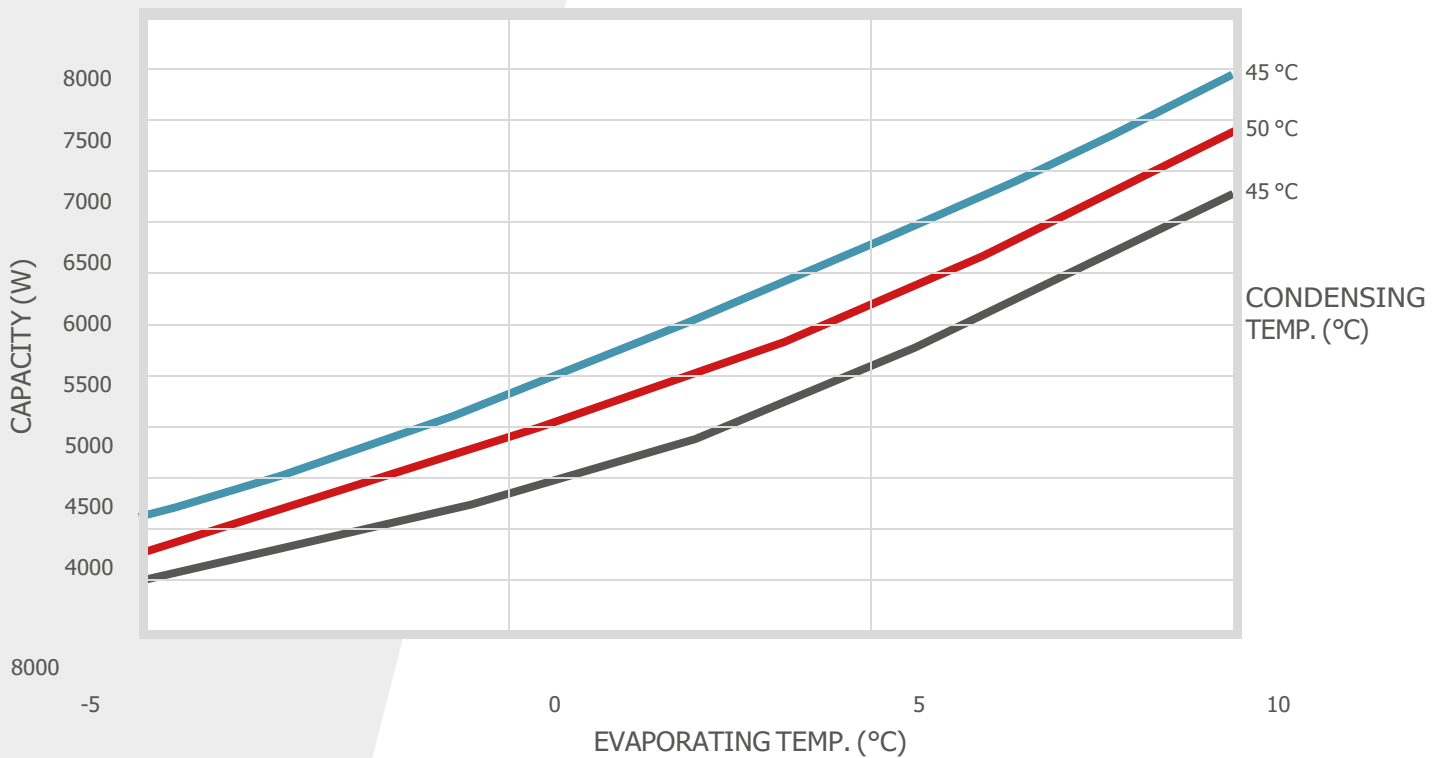
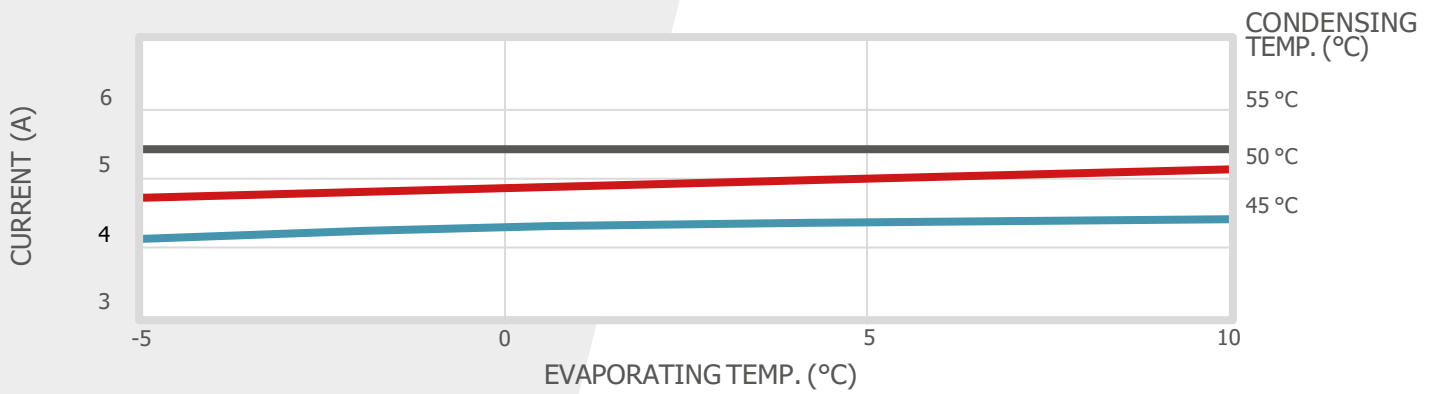
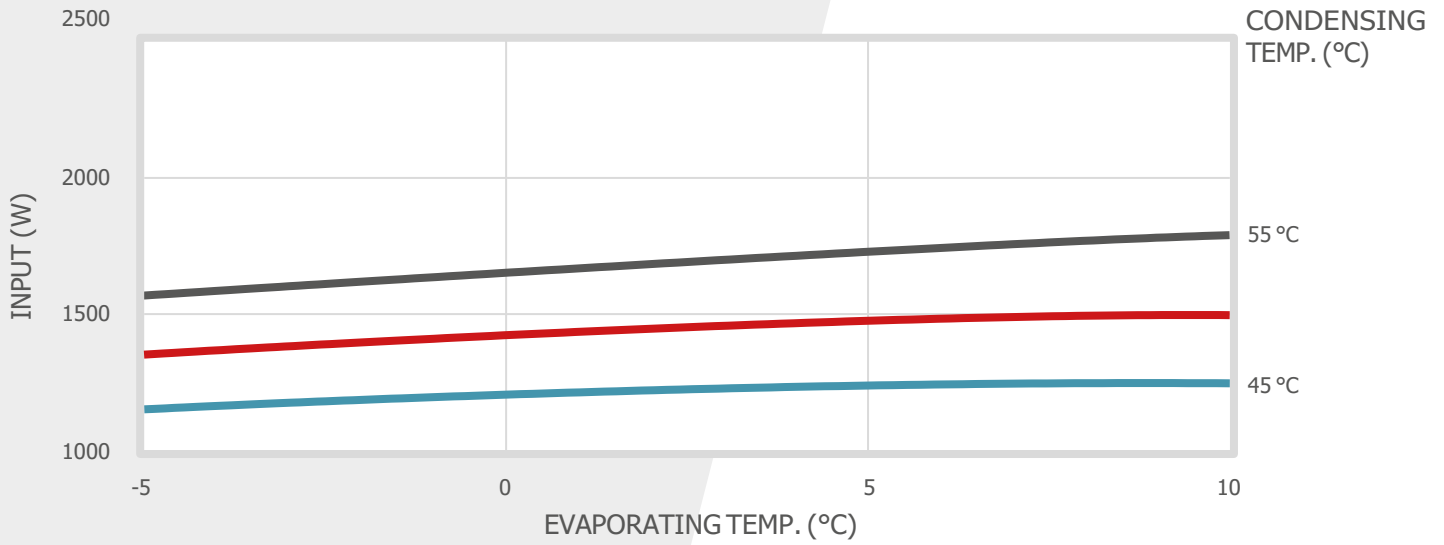
### COMPRESSOR PROTECTION:

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



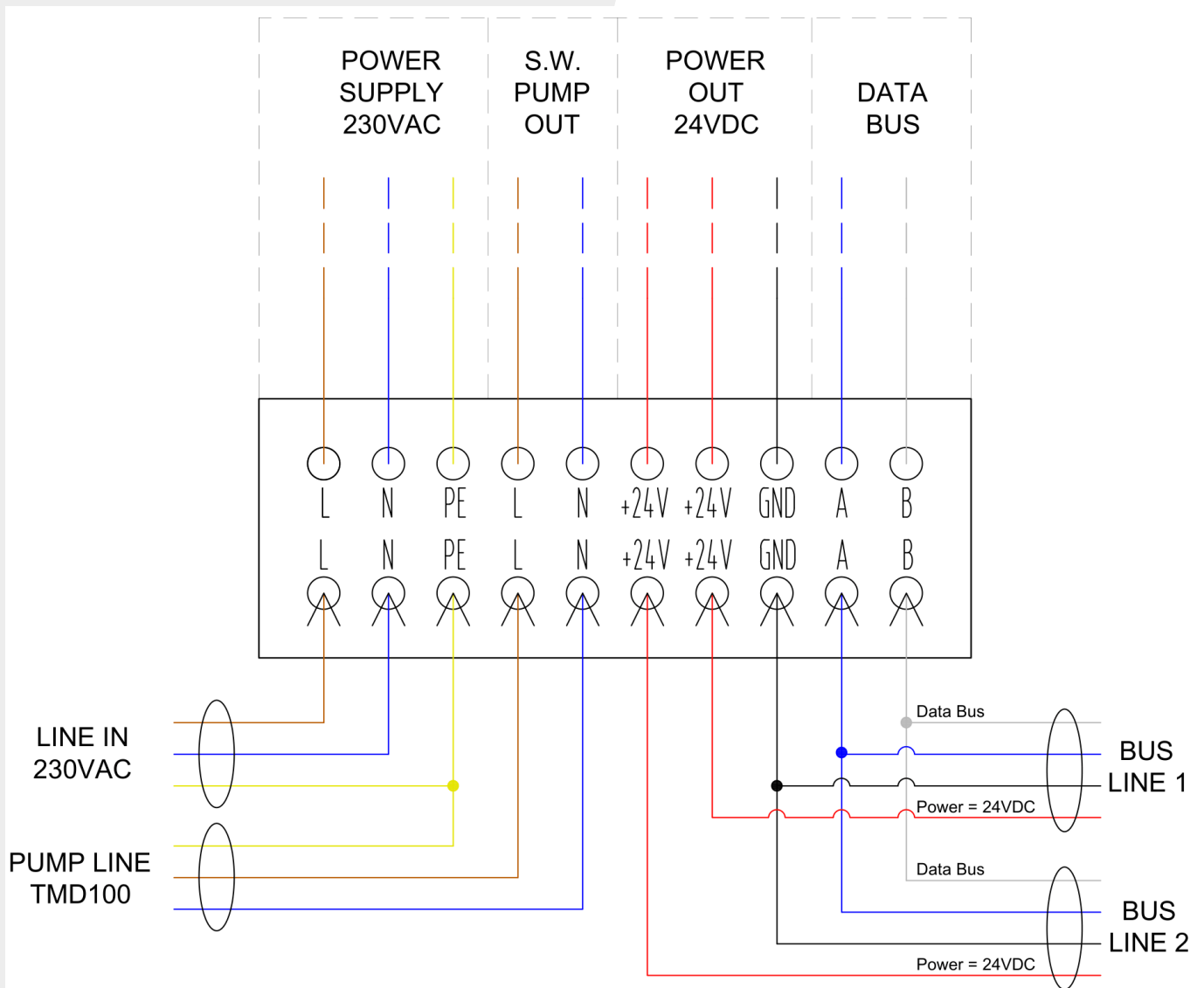
# VRT8E1

## PERFORMANCE CURVE DC INVERTER 70 rps/ 100



# VRT8E1

## ELECTRICAL CONNECTIONS



# VRT8E1

## OVERALL DIMENSIONS

