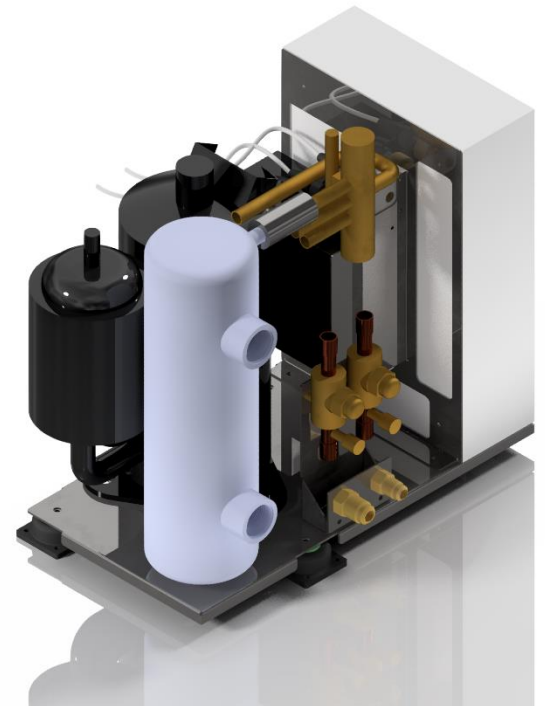


# VRV7E1

## DATASHEET



Cooling capacity KW	min 1,4	std 3	max 7
Cooling power source KW	min 0,2	std 0,5	max 1,1
Heating capacity KW	min 1,4	std 3	max 7
Heating power source KW	min 0,2	std 0,5	max 1,1

<b>Power supply:</b>	180 - 250 V 1Phase / 50-60Hz		
<b>Sea water pump:</b>	Magnetic type 80 watt included in unit power consumption. 80 lt/min		
<b>Size W x D x H:</b>	406 x 238 x 352 mm		
<b>Weight:</b>	17 Kg		
<b>Sea water working range:</b>	+3°C to +40°C	Option polar water: -5°C	
<b>Air working range:</b>	-20°C to +50°C		
<b>Noise:</b>	Compressor @ 140 hz – 73db @ 1 meter from box		
<b>Vibration:</b>	No significant vibration transmitted to the feet		
<b>Sea water pipes connection:</b>	1" BSP		
<b>Refrigerant pipe:</b>	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 24VDC integrated in compressor unit for 1 air handler 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



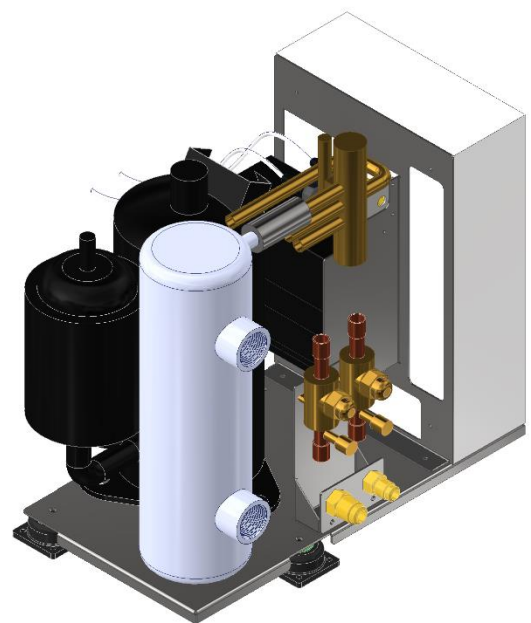
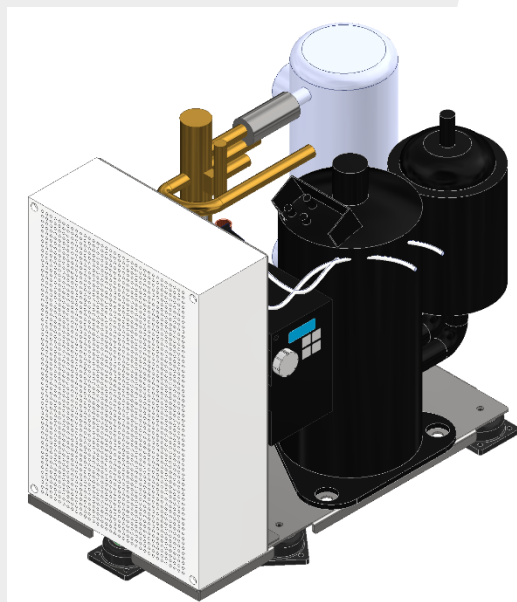
### SOFTWARE MANAGEMENT:

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



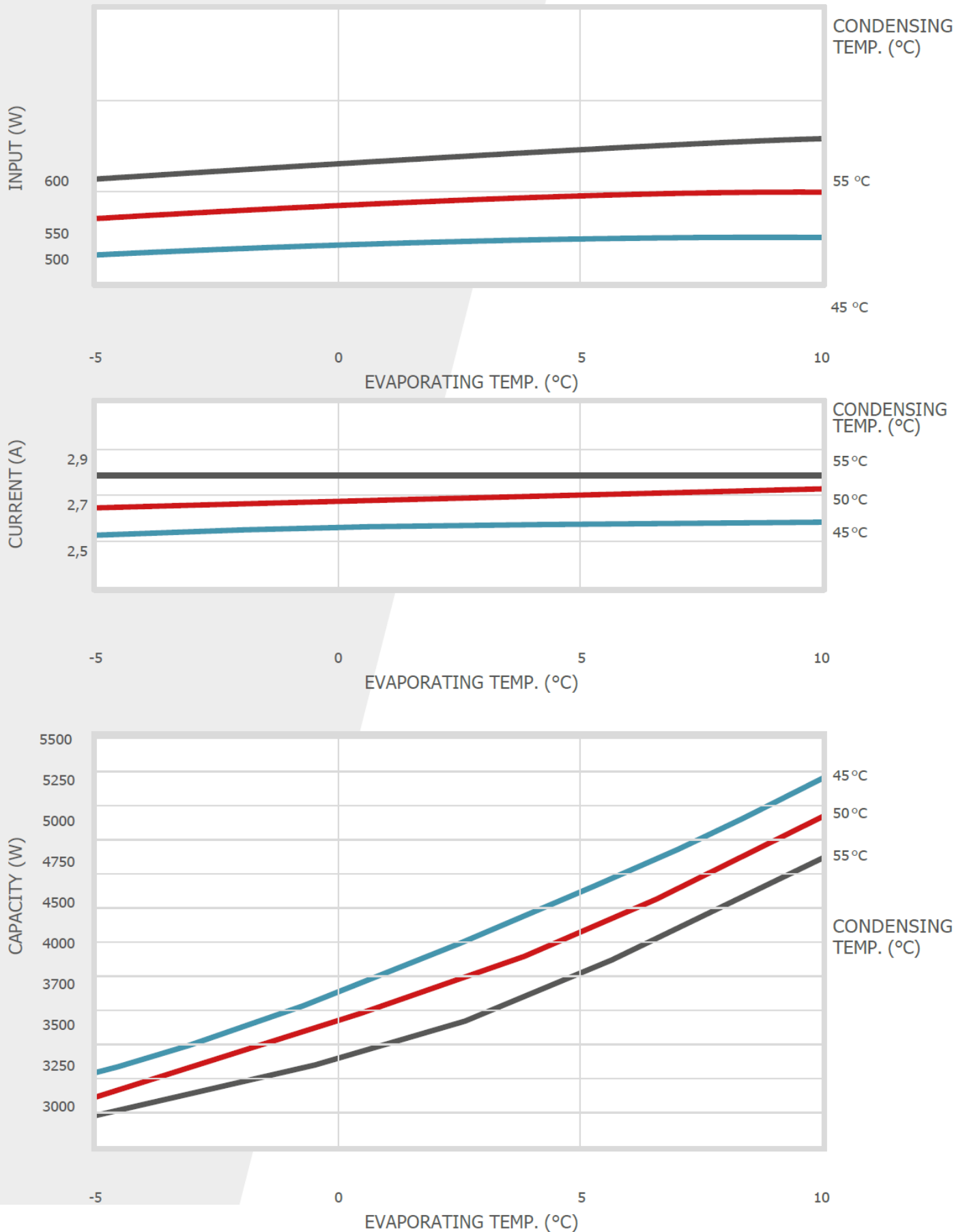
### COMPRESSOR PROTECTION:

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



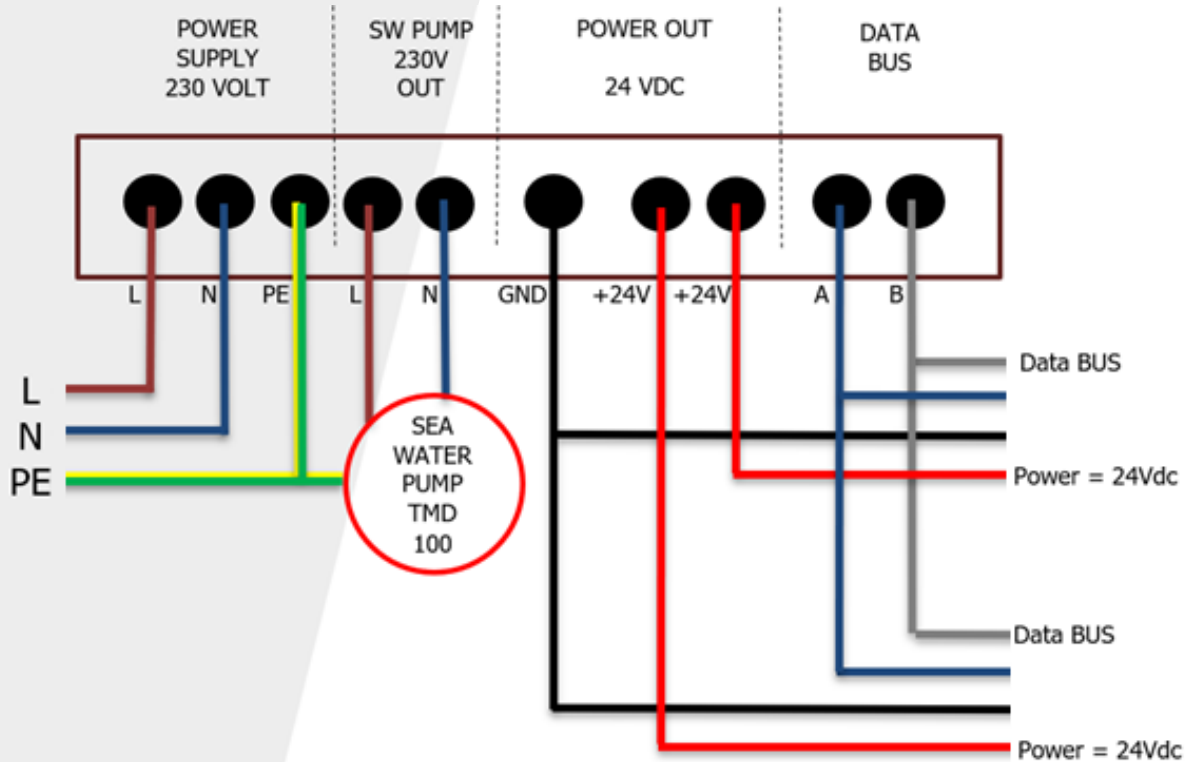
# VRV7E1

## PERFORMANCE CURVE DC INVERTER 70 rps/ 100



# VRV7E1

## ELECTRICAL CONNECTIONS



# VRV7E1

## OVERALL DIMENSIONS

