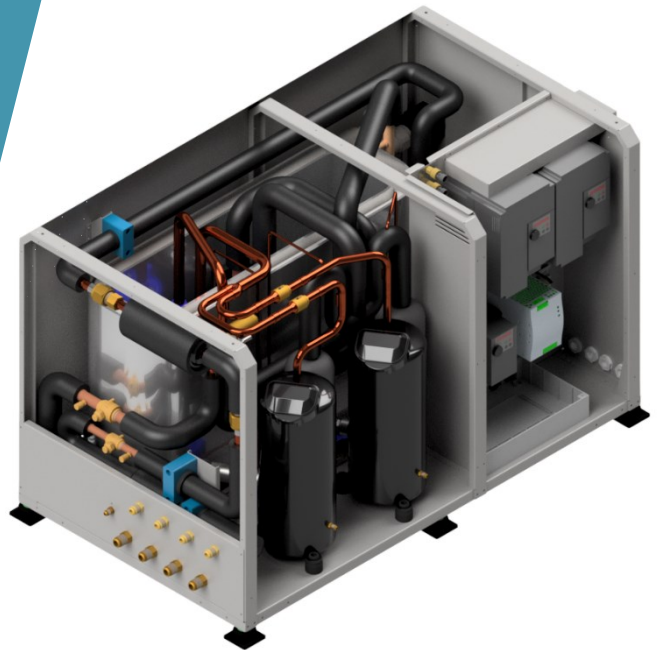


# VRT60X2

## DATASHEET



Cooling capacity KW	min 6	std 54	max 60
Cooling power source KW	min 2	std 8,5	max 16
Heating capacity KW	min 6	std 54	max 60
Heating power source KW	min 2	std 8,5	max 16

**Total BTU Capacity:**  
**Power supply options:**

Comparable to 230.000 BTU/h of the competitors  
180 - 230VAC / 50-60Hz 1ph+N → *mod. VRT60X2-2V*  
On request: 400VAC → *mod. VRT60X2-4V*  
On request: 700VDC → *mod. VRT60X2-7V*

**Sea water pump:**

Magnetic type. Centrifugal 1,2kW included in compressor power consumption.

**Size W x D x H:**

500 lt/min  
1182 x 660 x 697 mm

**Weight:**

190 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:**

1" 1/2

**Refrigerant pipe:**

4 x 5/8" Gas                      4 x 1/2" Liquid

Compressor box use VRT 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:

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



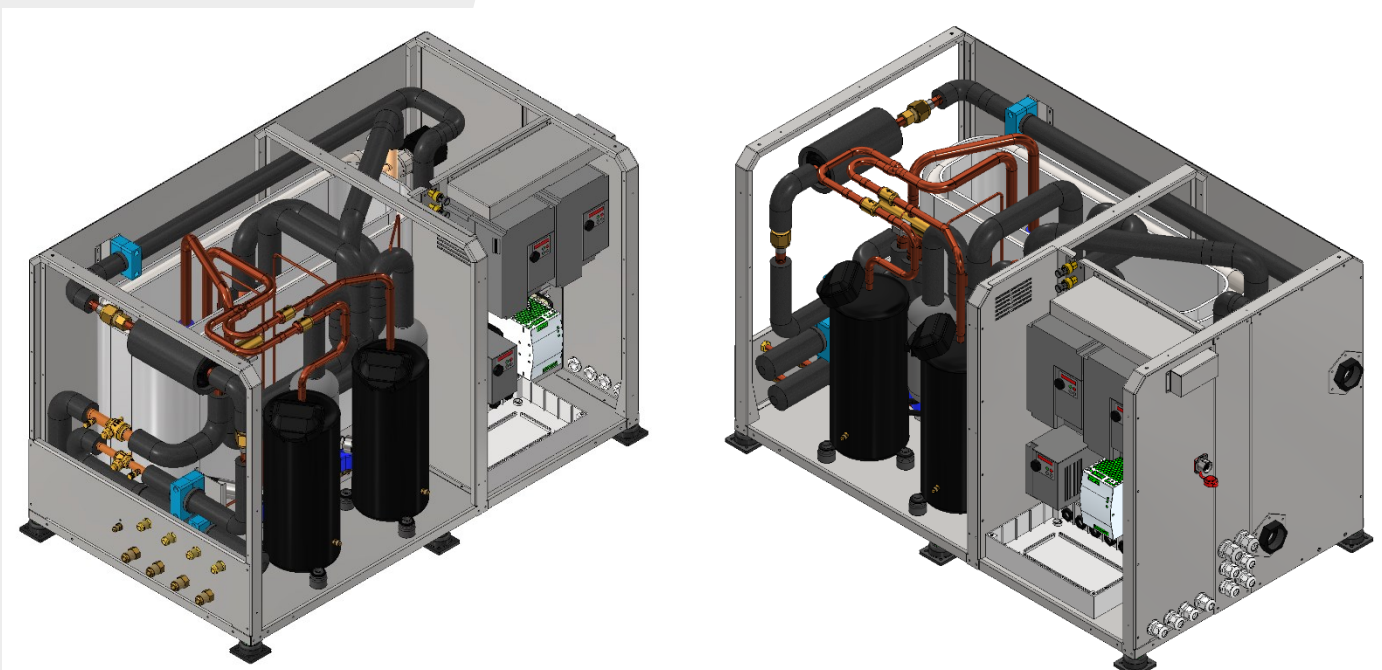
### COMPRESSOR PROTECTION:

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



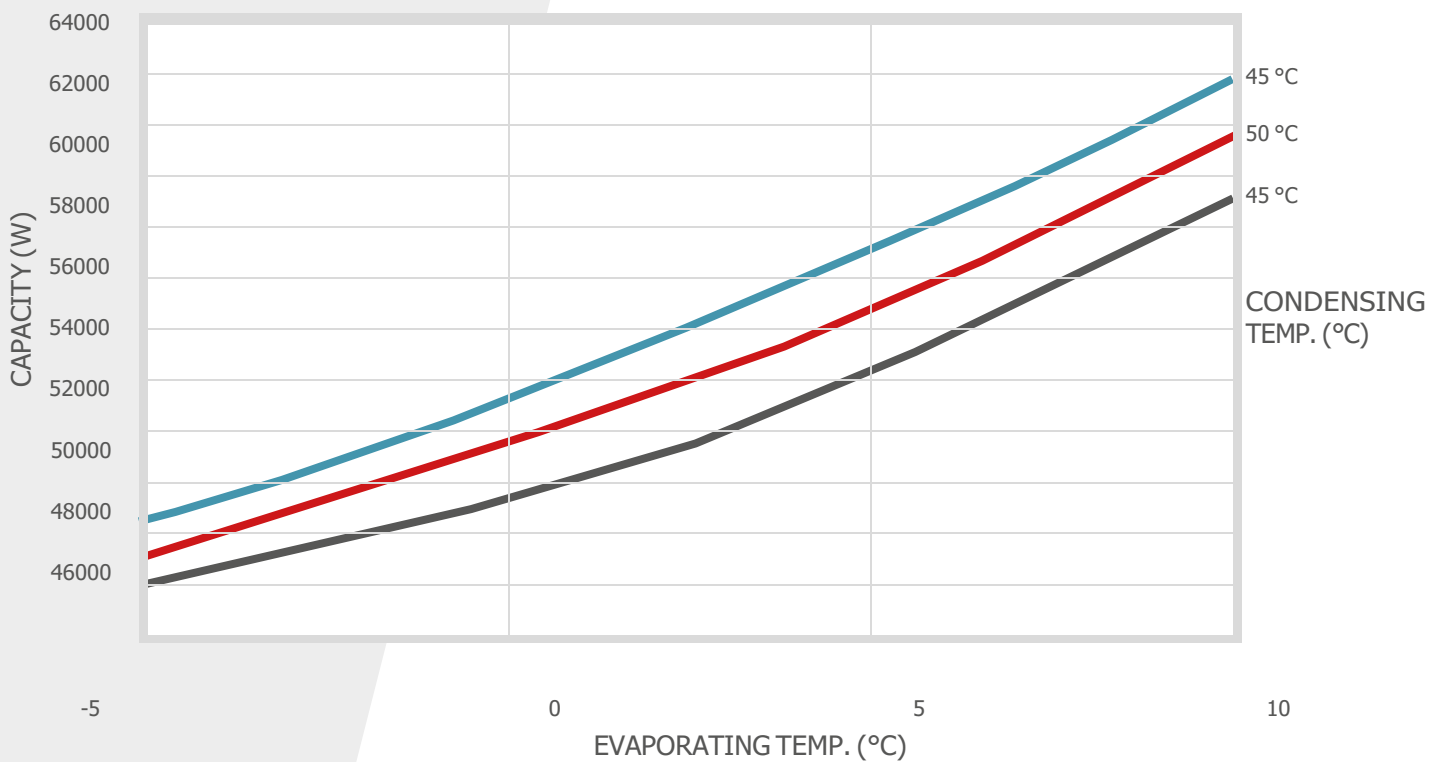
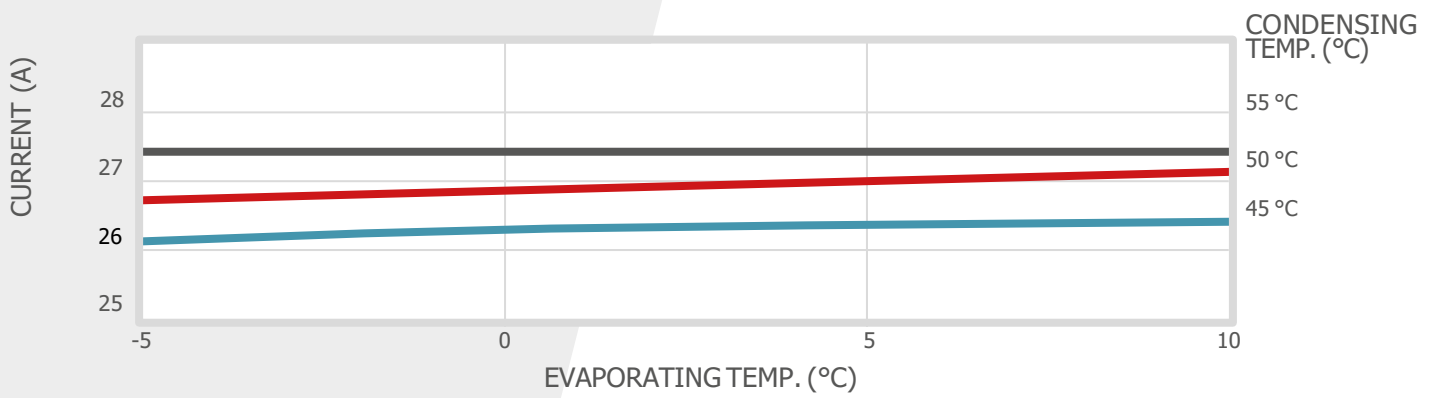
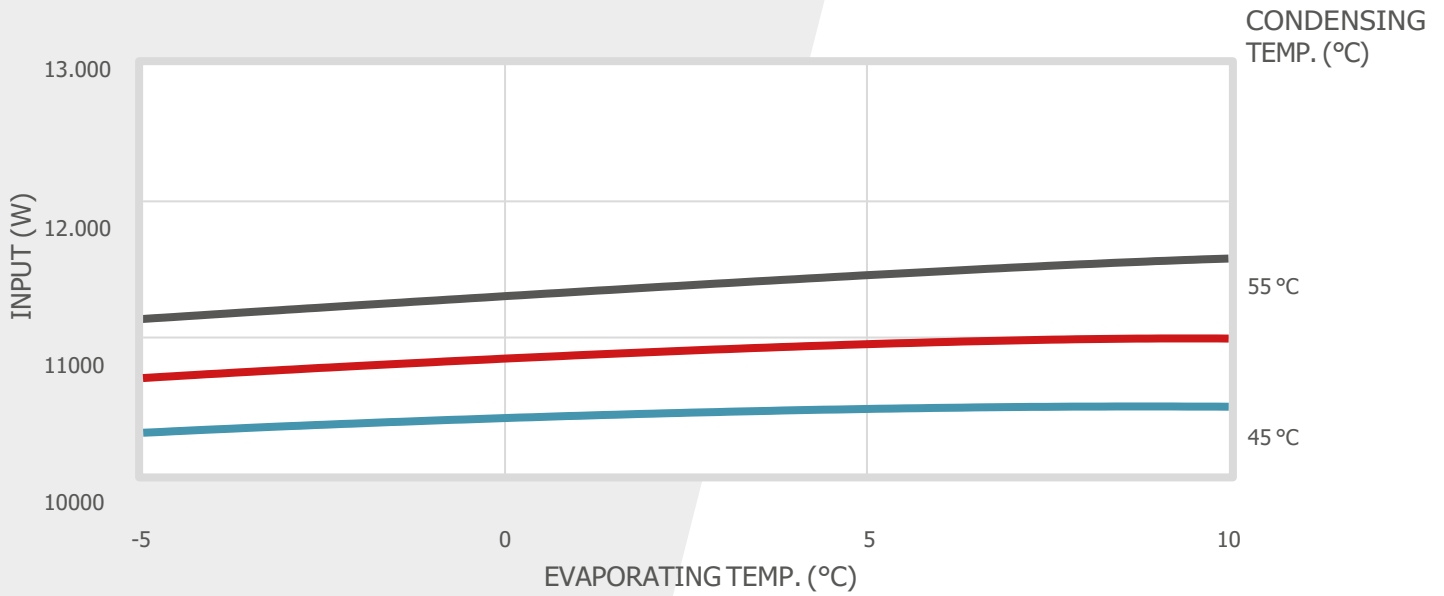
### ELECTRONIC:

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



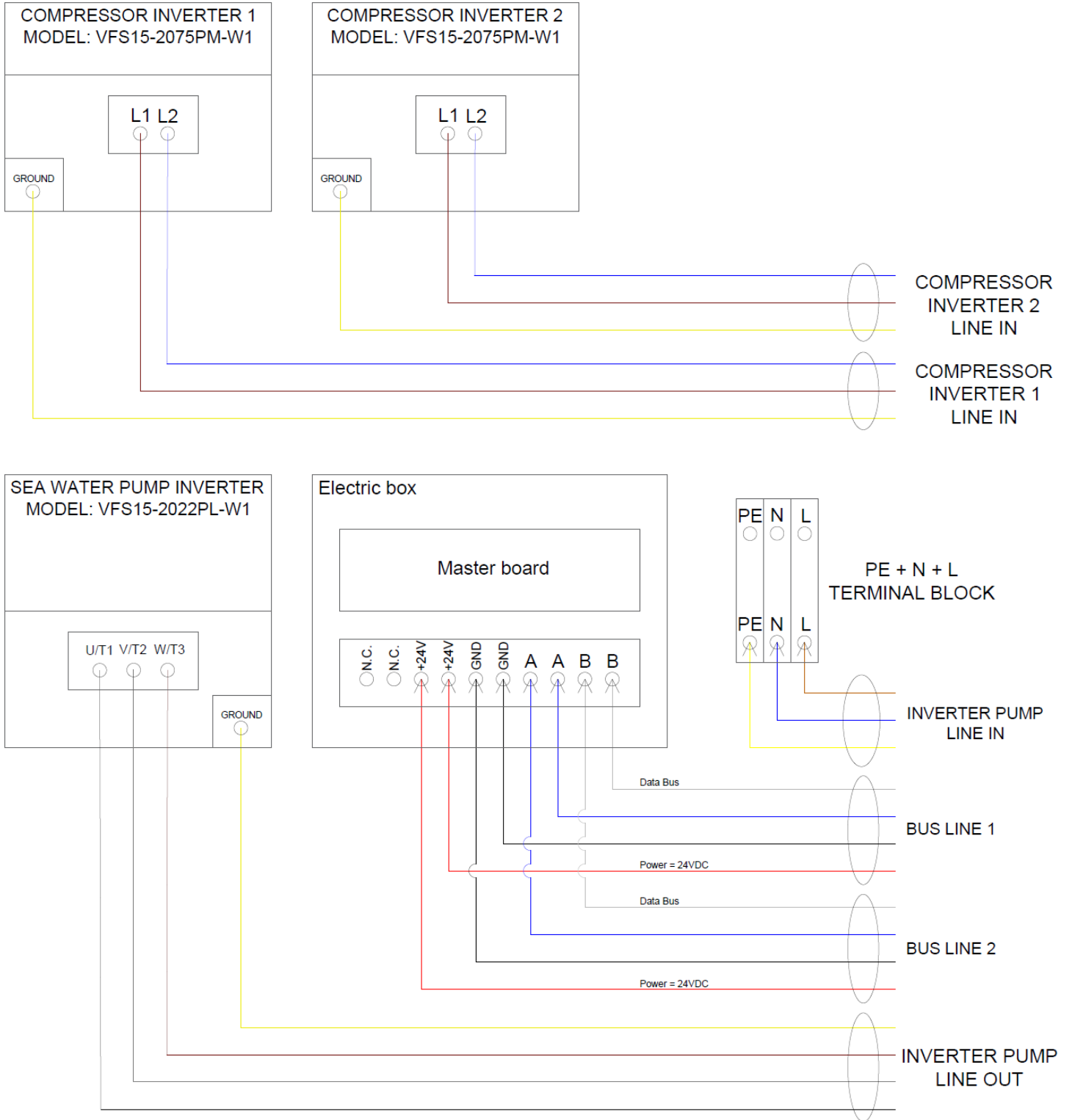
# VRT60X2

## PERFORMANCE CURVE DC INVERTER 70 rps/ 100



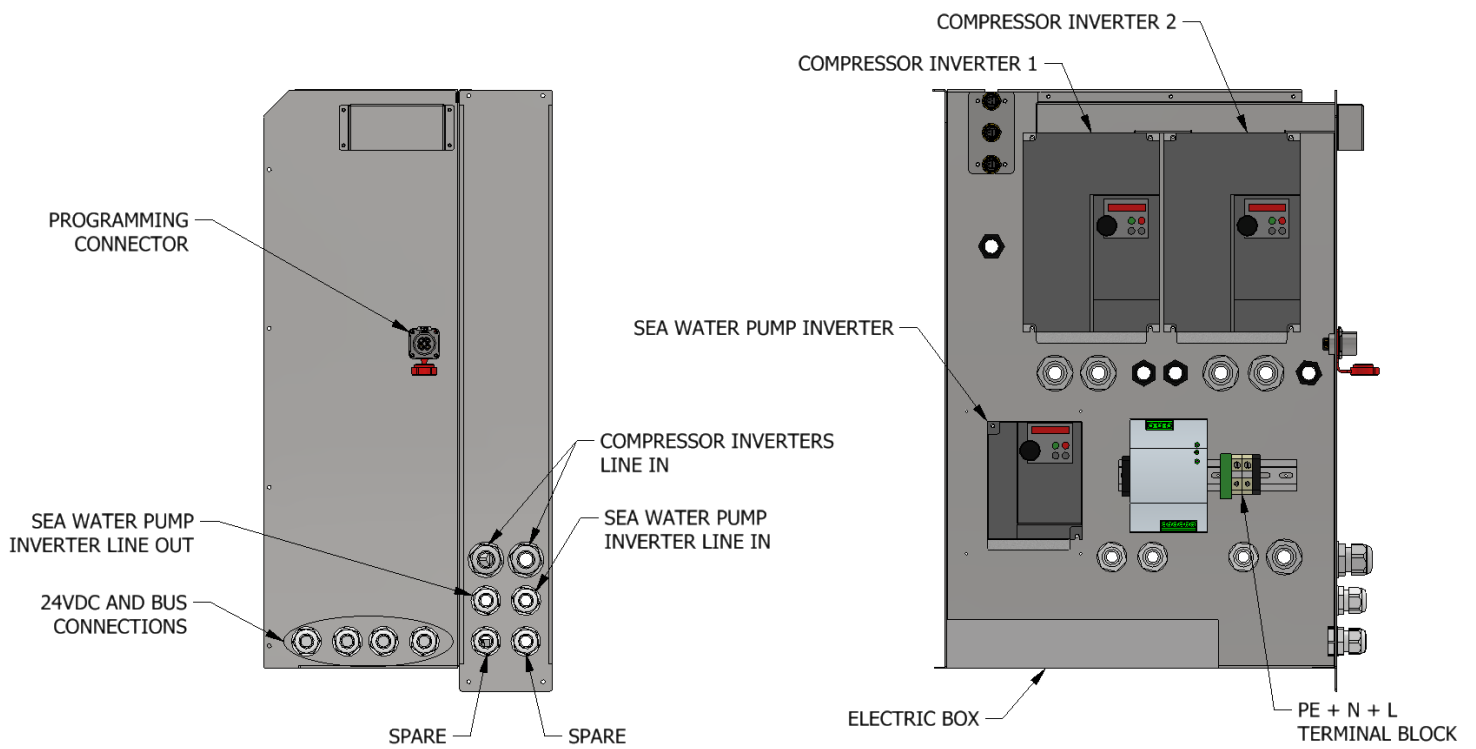


### VRT60X2-2V (230VAC Version)





### 230VAC INVERTER PANEL DETAIL



# VRT60X2

## OVERALL DIMENSIONS

