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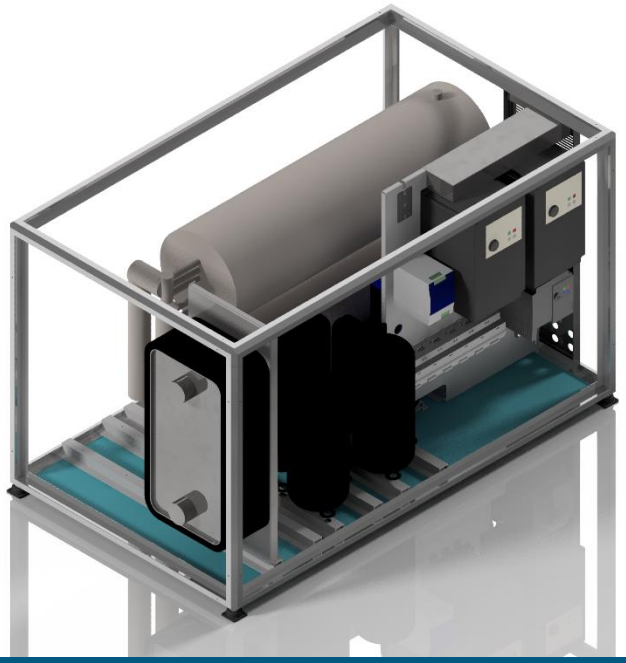
DATASHEET



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. 500 lt/min 1,7kw included in compressor unit power.

Sea water pipe connection: 2”

Size W x D x H: 1402 x 800 x 823 mm

Weight: 176 Kg

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

Air working range: -20°C to +50°C

Noise: Compressor @ 70% – 38db @ 1 meter from box

Vibration: No significant vibration transmitted to the feet

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

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MAIN FEATURES

CONDENSER:
Titanium Grade 2. No fouling, no corrosion. 3 times lighter than copper nickel

COMPRESSOR:
Toshiba inverter twin rotary. COP > 4

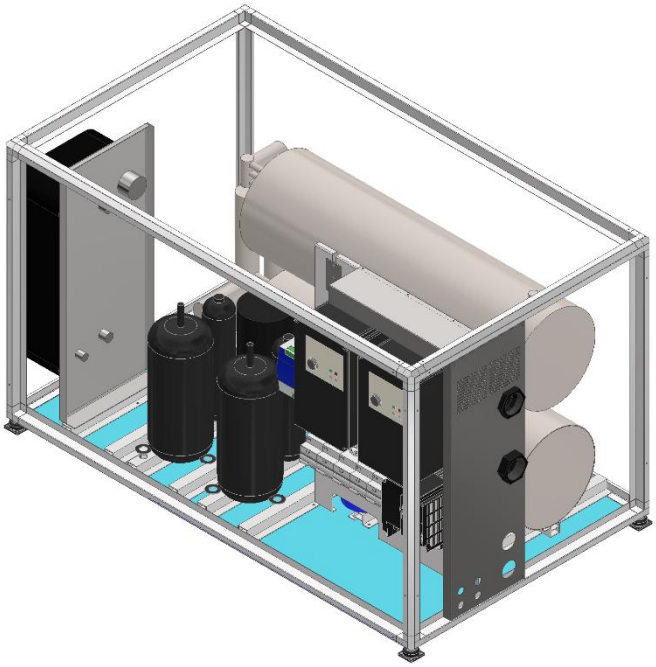
Rotation speed: 600 to 6000 rpm

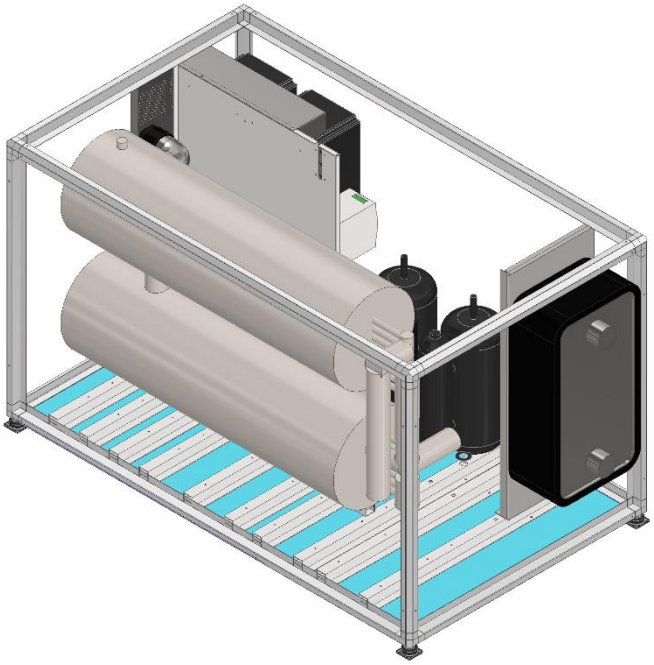
FRAME:
Aluminum silver anodized, Stainless Steel 316

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 infrared optical sensor

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





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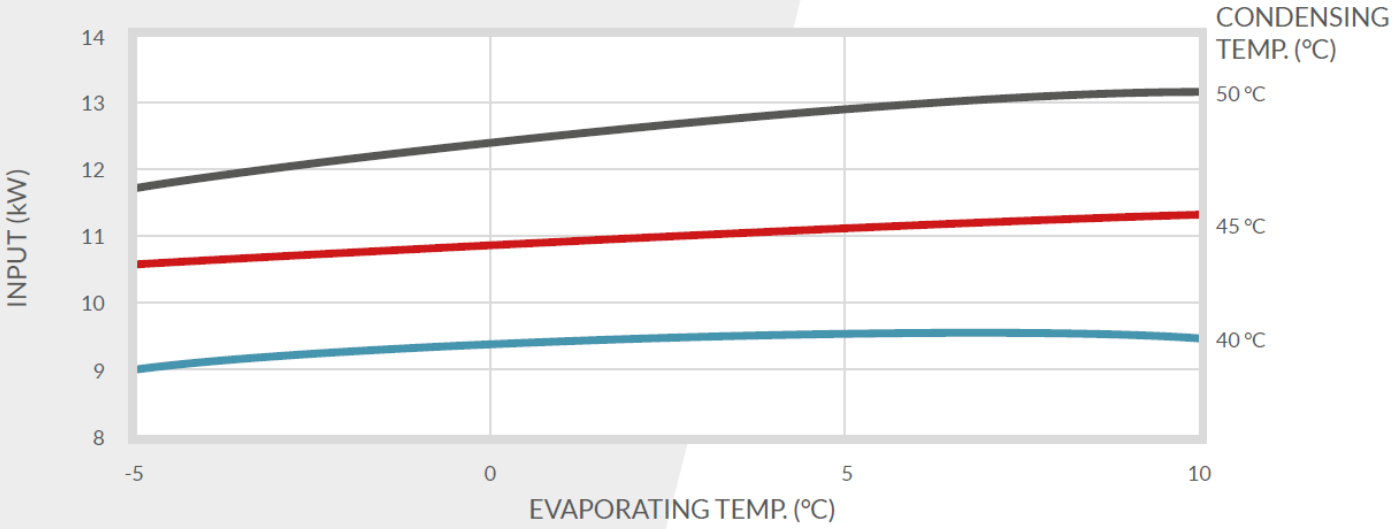
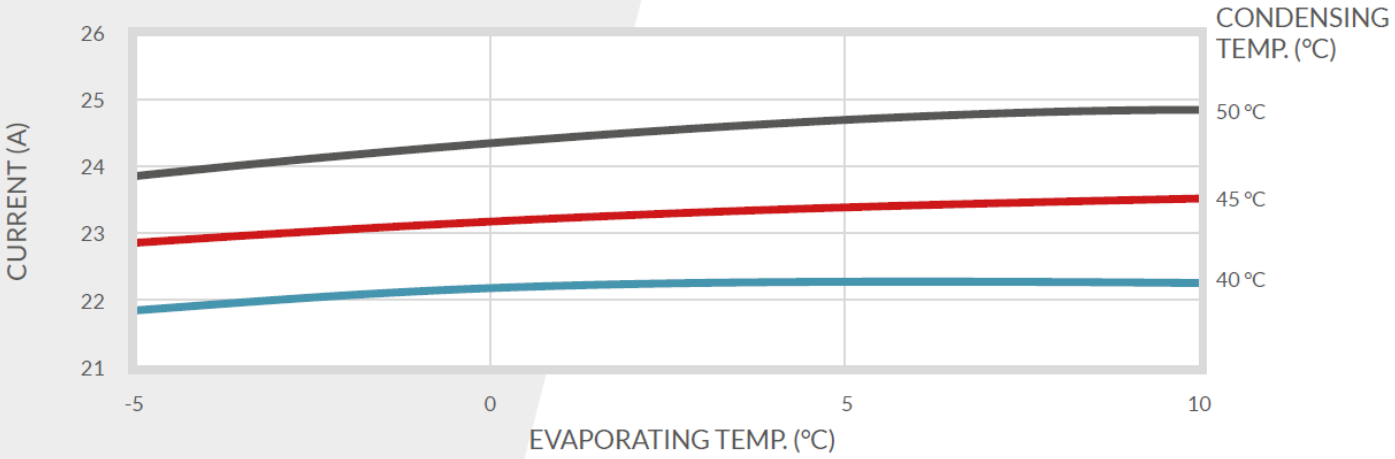
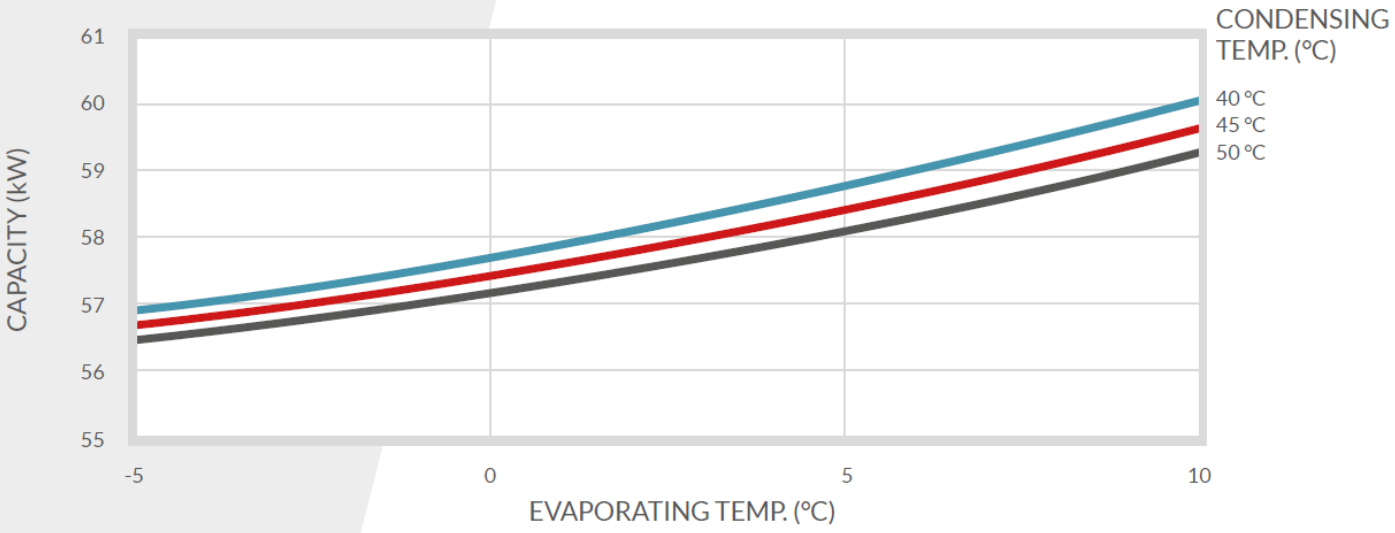
PERFORMANCE CURVE DC INVERTER 70 rps / 100







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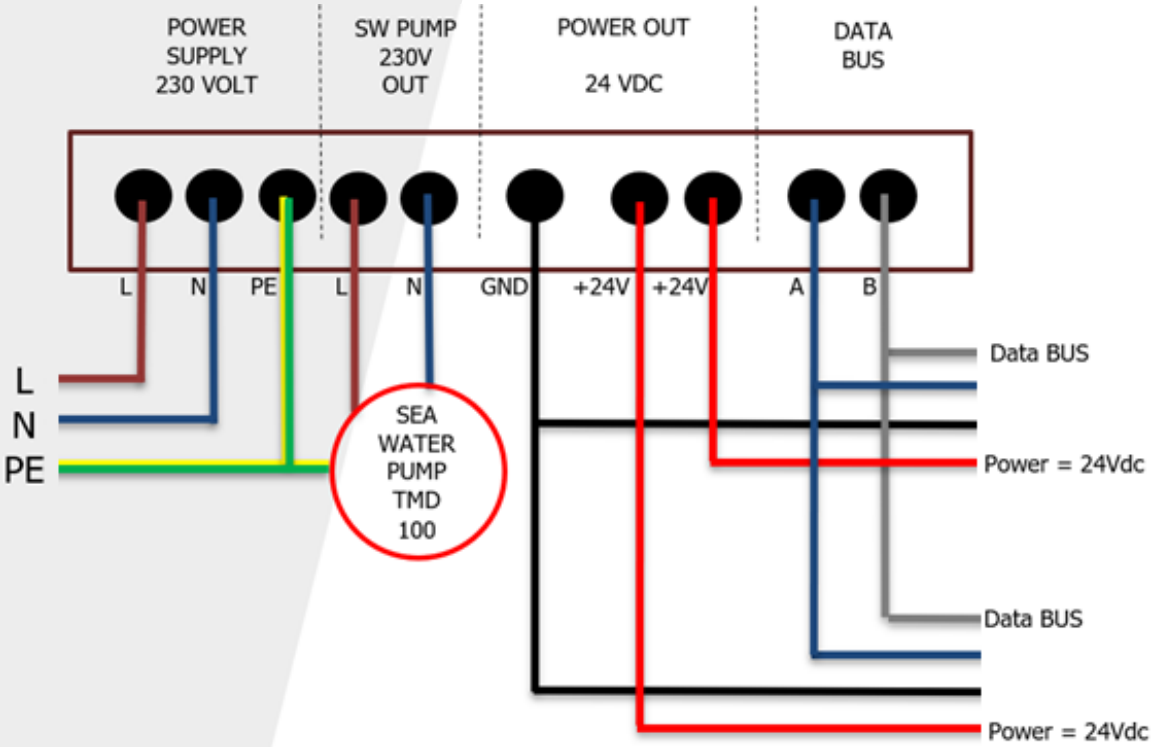
ELECTRICAL CONNECTIONS



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OVERALL DIMENSIONS