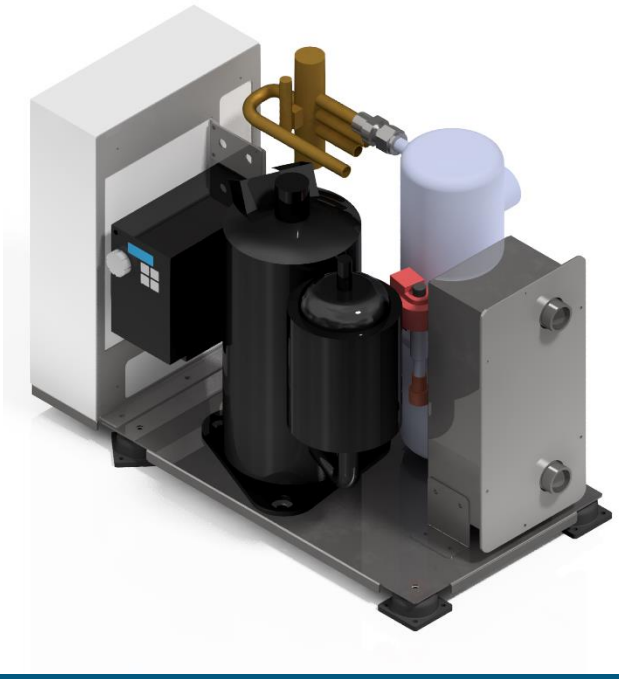
# CI7E1

*DATASHEET*



| | | | |
|---|---|---|---|
| Cooling capacity KW | min 1 | std 4 | max 7 |
| Cooling power source KW | min 0,3 | std 1 | max 3 |
| Heating capacity KW | min 1 | std 4 | max 7 |
| Heating power source KW | min 0,3 | std 1 | max 3 |

**Power supply:** 180 – 250 V 1Phase 50/60Hz
**Sea water pump:** Magnetic type 80 watt included in unit power consumption. 80 lt/min
**Size W x D x H:** 492 x 267 x 352 mm
**Weight:** 18 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 @ 140 hz – 40 db @ 1 meter from box
**Vibration:** No significant vibration transmitted to the feet
**Sea water pipe connection:** 1”

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*

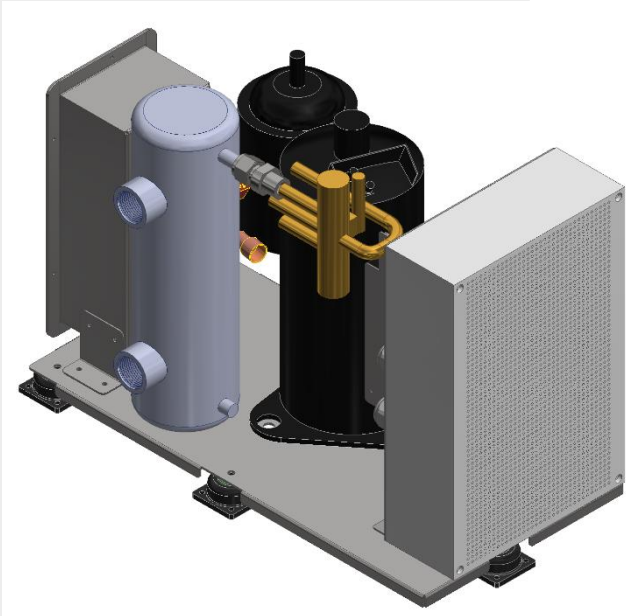
## CONDENSER:
Titanium Grade 2. No fouling, no corrosion. 3 times lighter than copper nickel
Titanium is an everlasting material that assure to your system long reliability

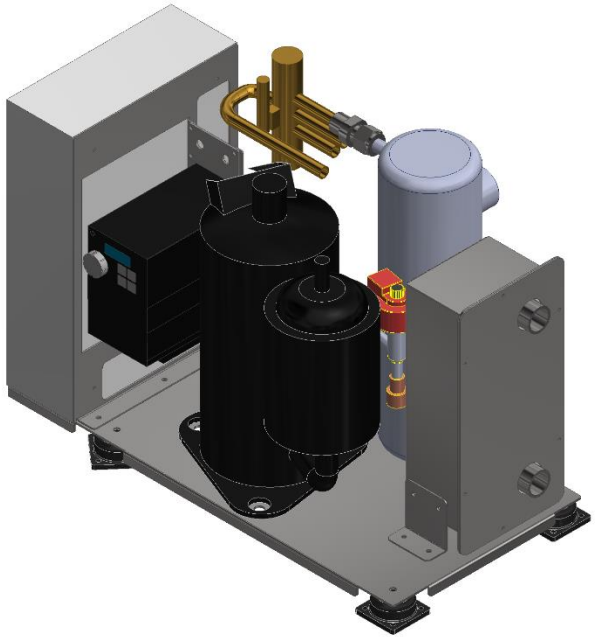
## COMPRESSOR:
Toshiba inverter twin rotary. COP > 4

## 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)





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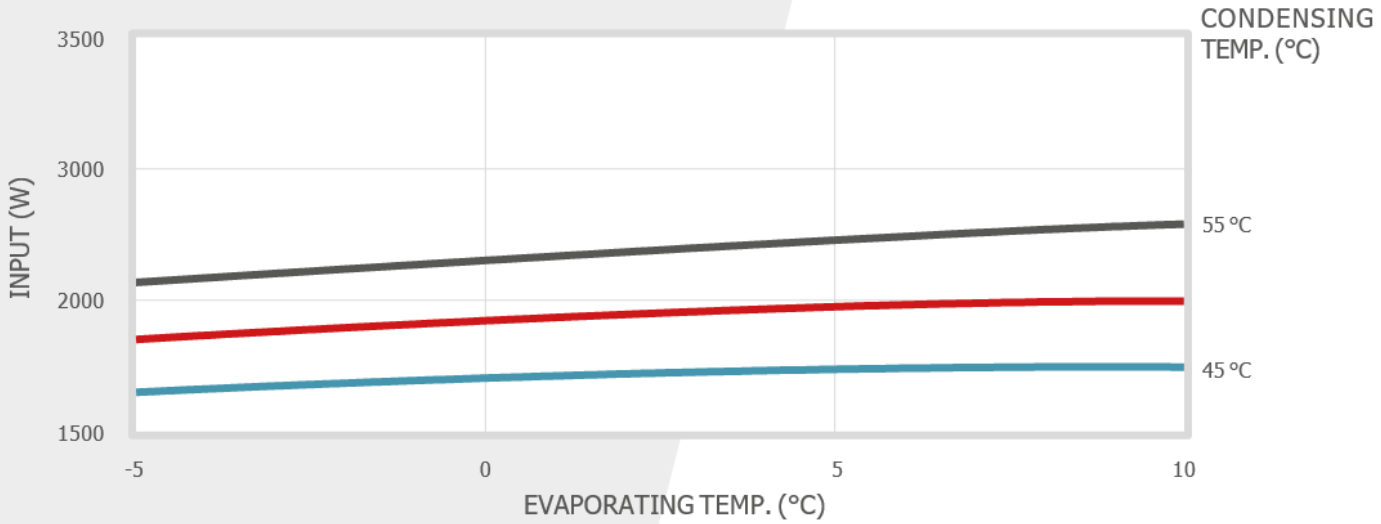
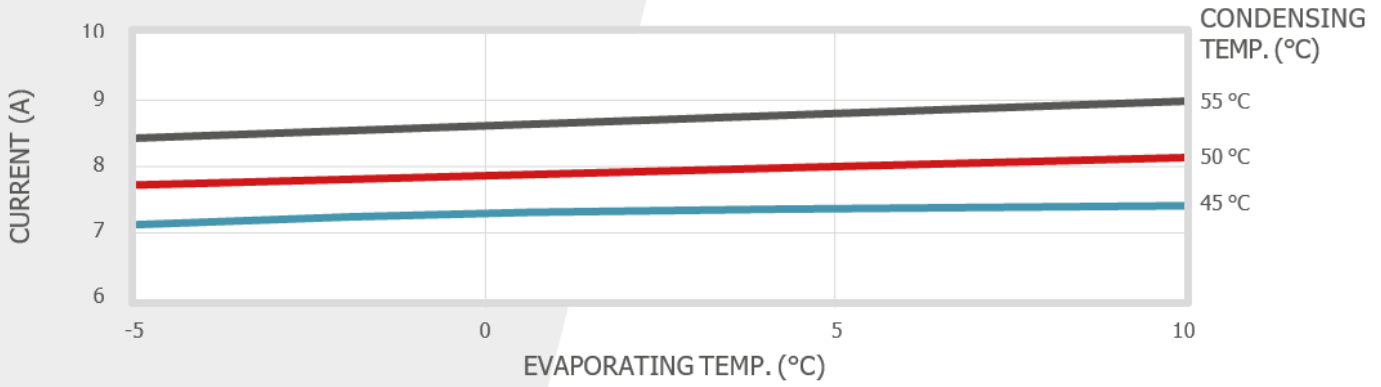
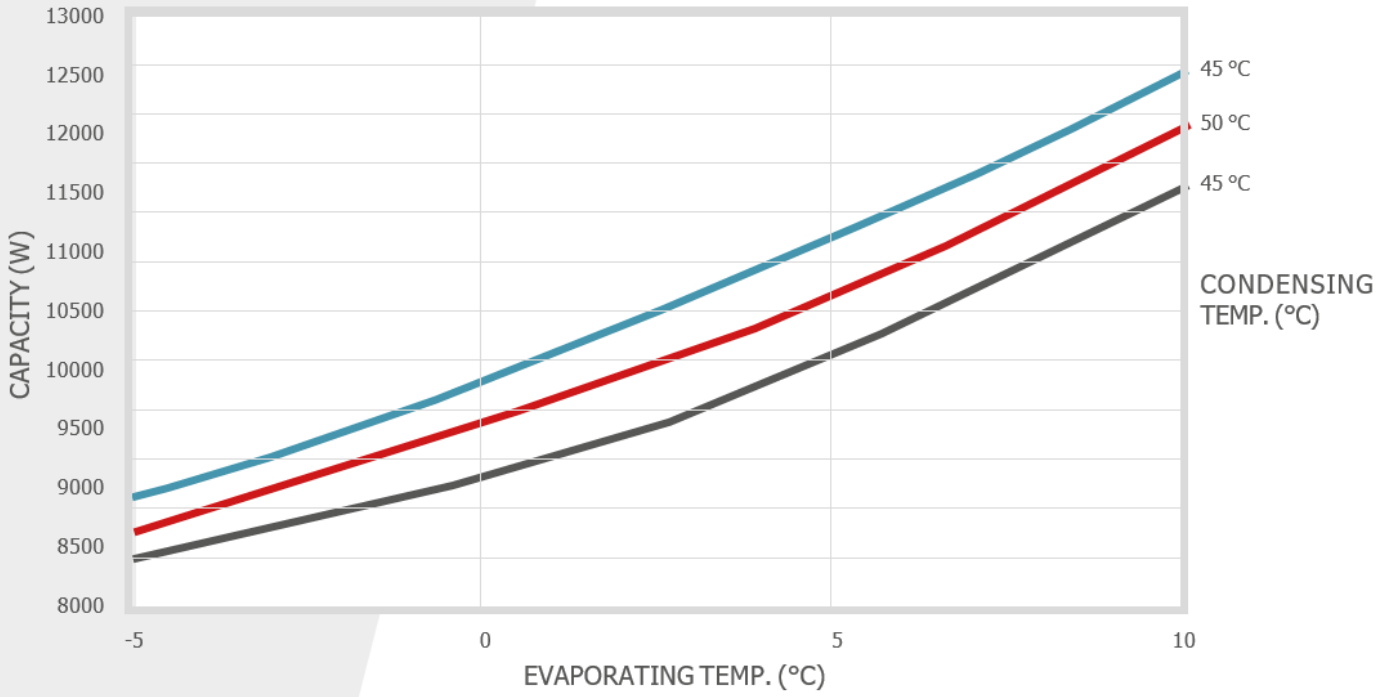
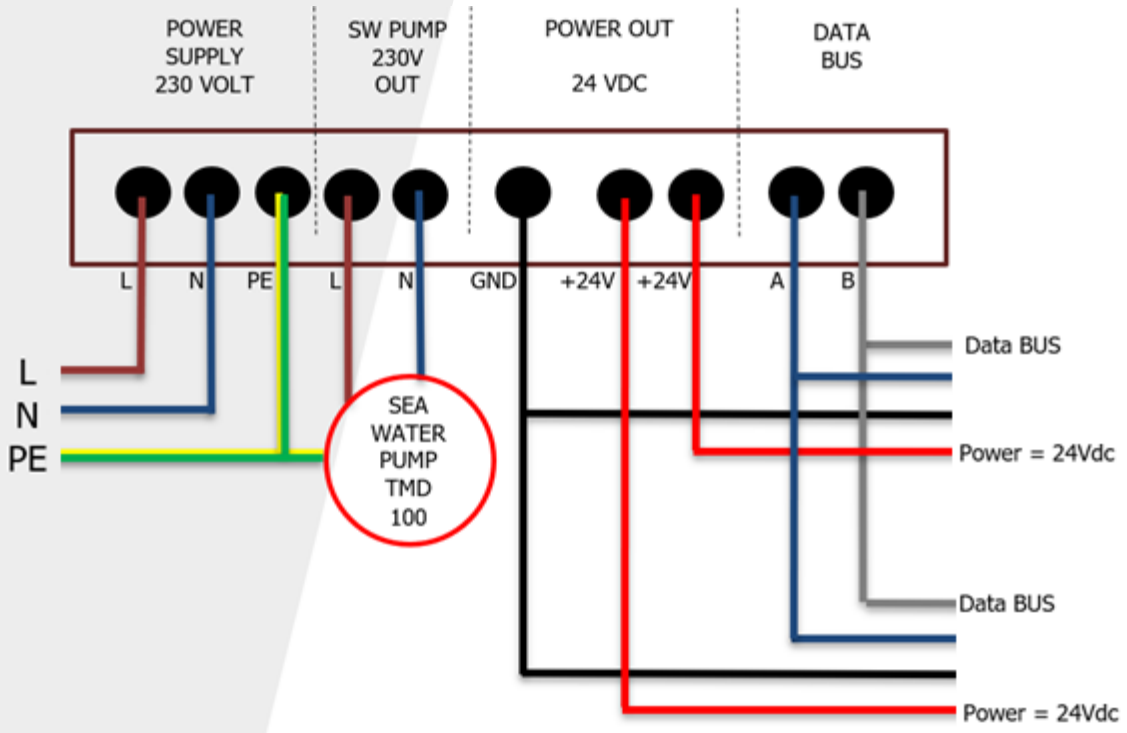
## *PERFORMANCE CURVE DC INVERTER 70 rps/100*



# ELECTRICAL CONNECTIONS



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## *OVERALL DIMENSIONS*