



Seasonal Energy Efficiency

SEER 12/7°C Comfort low temp*: **4.53** kWh/kWh
 SEER 23/18°C Comfort medium temp*: **5.05.00** kWh/kWh
 SEPR 12/7°C Process high temp*: **5.38** kWh/kWh
 ESEER: **4.44** kW/kW

All data related to seasonal efficiency are given for standard units.



* ECODSIGN Compliance value as per (EU) 2016/2281

Cooling Mode

Performance Information

Cooling Capacity: **464.0** kW
 Cooling Efficiency (EER): **3.00** kW/kW
 Unit Power Input: **154.71** kW

Evaporator Information

Fluid Type: **Fresh Water**
 Fouling Factor: **0.0040** (sqm-K)/kW
 Leaving Temperature: **6.0** °C
 Entering Temperature: **12.0** °C

Evaporator Hydraulic Module Information

Type of Control: **Constant pressure**
 Terminals Water Valves: **2-way valves**
 Ratio of Resistance in Terminals/Total: **0.90**
 External Static Pressure: **237.8** kPa
 Pump Power Input: **7.67** kW
 Fluid Flow: **18.49** l/s

Condenser Information

Altitude: **0** m
 Number of Fans: **7**
 Entering Air Temperature: **32.0** °C

Free Cooling Mode

Performance Information

Cooling Capacity: **248.4** kW
 Cooling Efficiency (EER): **17.49** kW/kW
 Unit Power Input: **14.2** kW

Evaporator Information

Fluid Type: **Fresh Water**
 Fouling Factor: **0.0040** (sqm-K)/kW
 Leaving Temperature: **10.0** °C
 Entering Temperature: **13.2** °C
 Fluid Flow: **18.50** l/s
 Pressure Drop: **33.7** kPa

Condenser Information

Entering Air Temperature: **0.0** °C

Unit Information

Manufacturing Source: **Montluel, France**
 Refrigerant: **R-410A**
 Capacity Control Steps: **7**
 Minimum Capacity: **14** %
 Number of Refrigerant Circuit: **2**
 Operating/Shipping Weight: **3177/3050** kg
 Unit Dimensions (LxWxH): **4797/2253/2297** mm

MCHE Coating Requirements Information

Distance from coast (km): **500.0** km
 Average Annual Temperature: **35.0** °C
 Average Annual Relative Humidity: **75.0** %

Electrical Information

Unit Voltage: **400(+/-10%)-3-50** V-Ph-Hz
 Standby Power: **0.45** kW
 Power Factor: **0.88**

Amps (Un)	Electrical Circuit 1	Electrical Circuit 2
Maximum Current In (A):	382	None
Start Up Current (A)	592	None
Current at Eurovent Conditions (A)	292	None

Accessories and Installed Options

- Opt. 58 Master/slave Operation
- Opt. 158 Touch Pilot Control, " User Interface
- Opt. 116V HP Variable-speed Single-pump Hydr. Mod.
- Opt. 293 Expansion Tank
- Opt. 15 Low Noise Level
- Opt. 118A DX Free Cooling on 2 Circuits
- Opt. 149 Bacnet over IP Gateway
- Opt. 23A Enclosure Panels
- Opt. 42A Evaporator and Hydr. Mod. Frost Protection

Acoustic Information (cooling mode)

Sound Power Level (LwA): **93** dB(A)
 Sound Pressure Level at 10.0m (LpA): .. **61** dB(A)