

NRG_AU

[#1] 10NRG0091_AUF1

Input data

Requested model

10NRG0091_AUF1

Filters

Refrigerant R410A

Power Supply 50Hz-400V

Cooling

User Air Temperature °C 18

User Relative humidity % 40

Source Air Temperature °C 35.0

Source Relative humidity % 50.0

Frequency Percentage % 10

Altitude Inputs

Altitude above sea level m 0.0

User Fan Inputs

User AESP Pa 30

Remote Condensers Selection *

Remote Condenser Selection STANDARD

Additional Internal Coil

Enable Disabled

Select Operating Mode Disabled

InternalCoilWaterTemperatureIn °C 45.0

InternalCoilWaterTemperatureOut °C 40.0

InternalCoilWaterGlycolPercentage % 0.0

Output data

Requested model

10NRG0091_AUF1

Remote Condenser Selection

STANDARD

Cooling

Data Inputs

USR A 18°C 40% SRC A 35.0°C 50.0%

Cooling capacity kW 3,3

Sensible cooling capacity kW 3,3

Net Sensible cooling capacity kW 3,2

SHR 1,00

Cp absorbed power kW 0,8

Cp absorbed current A 1,3

Fans absorbed power kW 0,1

Fans absorbed current A 0,1

Total power input kW 0,9

Total Absorbed Current A 1,4

EER 4,24

Nominal air flow m3/h 1182

Leaving air temperature °C 9,9

Air speed through coil m/s 1,22

Number of Fans 1

Fans Type plug EC series

Type of fan motor Brushless with integrated electronic

Fan's balancing characteristics <= Q 6,3 according ISO 1940-1

Type of motor protection IP 54 according EN 60529

Fan speed control Stepless by means of mP keyboard

Common Data

Available Pressure head Pa 30

Max available AESP Pa 502

Lp @ Nominal rpm ; dist.= 2 m Q=2 dB(A) 41

Type of compressor BLDC-Twin Rotary

N° of cp/ circuits 1/1

FLA (without options) A 9,1

Oil charge dm^3 0,4

Electrical heating capacity kW 1,5

Max Humidifier capacity kg/h 3,00

Humidifier absorbed power kW 2,2

Evaporators Number 1

Evaporator front area m^2 0,3

Rows 4

Fins Aluminium + Hydrophilic coating

| Condenser | | Remote condenser |
|---|-------|------------------|
| Refrigerant | | R410A |
| Length | mm | 600 |
| Depth | mm | 600 |
| Height | mm | 1875 |
| Weight | kg | 157 |
| Power Supply | | 400 / 3+N / 50 |
| Remote Condenser Model | | PEC3N-213 |
| Air Flow | m3/h | 4800 |
| Lp Sound Pressure level @ 10m free field | dB(A) | 42 |
| Remote Condenser - Length | mm | 1338 |
| Remote Condenser - Depth | mm | 430 |
| Remote Condenser - Height | mm | 610 |
| Power Supply - Remote Condenser | | 230/1/50 |
| Fans absorbed power | kW | 0,3 |
| Fans absorbed current | A | 1,5 |
| Weight - Remote Condenser | kg | 38 |
| Number of Fans - Remote Condenser | | 2 x 350 |
| Note | | |
| The declared performances are the result of thermodynamic simulations and therefore affected by tolerances. | | |
| Please consider electrical drawing to design external electrical protection for the specific unit | | |
| Version | | |
| Software version | | CCACTLC 0.0.9 |
| Database version | | 20230308-0 |

Remarks:
