

TECHNICAL DATA SELECTION
 SW: 0.0.5 DB: 20181009

PROJECT N.: ..
 DATE: 22-02-2019
 PROJECT NAME:

MPI DC C

[#1] MPIDC014C0

Input data

Requested model

MPIDC014C0

Cooling

| | | |
|----------------------------|----|-----|
| User Water Temperature In | °C | 15 |
| User Water Temperature Out | °C | 10 |
| User Glycol | % | 0 |
| Source Air Temperature | °C | 27 |
| Modulation Range | % | 100 |

Glycol Type Selection

| | |
|-------------|-----------|
| Glycol Type | Ethylenic |
|-------------|-----------|

Sound Inputs

| | | |
|------------------------|---|----|
| Distance in free field | m | 10 |
| Direction factor | | 2 |

Altitude Inputs

| | | |
|--------------------------|---|---|
| Altitude above sea level | m | 0 |
|--------------------------|---|---|

UNIEN14511 Inputs

| | |
|---------------------------------------|-----|
| Enable calculations with UNI EN 14511 | Yes |
| User Pumps | - |

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Output data

Requested model

MPIDC014C0

| Cooling | | |
|---|-------|----------------|
| Cooling capacity | kW | 16,8 |
| Cooling capacity [UNI 14511] | kW | 16,7 |
| Water Flow user side | l/h | 2891 |
| Water Pressure drops user side | kPa | 41 |
| Compressor power input | kW | 3,9 |
| Compressor absorbed current | A | 6,2 |
| Total Power input | kW | 4,1 |
| Total Power input [UNI 14511] | kW | 4,3 |
| Total Absorbed Current | A | 7,2 |
| EER | | 4,10 |
| EER [UNI 14511] | | 3,92 |
| ESEER | | 4,09 |
| SEER | | 3,98 |
| Available pressure head - LP Pumps (option) User side | kPa | 148 |
| Common Data | | |
| Maximum absorbed current (FLA) [without options] | A | 20 |
| Sound power level Lw (base unit) | db(A) | 71 |
| Sound pressure level Lp (base unit) | db(A) | 43 |
| Air Flow | m3/h | 6400 |
| Number of Fans | | 2 |
| Fan power input | kW | 0,2 |
| Fan absorbed current | A | 0,9 |
| Compressors/Circuits | | 1/1 |
| Buffer tank volume (option) | l | 30 |
| Power Supply | | 400 / 3+N / 50 |
| Refrigerant | | R410A |
| Dimensions [LxDxH] | mm | 1220x560x1250 |
| Weight without options | kg | 210 |

Notes

The declared performances are the result of thermodynamic simulations and therefore affected by tolerances.

Please consider electrical drawing for the specific unit to design external electrical line and protection.

Calculation according to UNI EN 14511

Unit compliant to ErP2018 standard for comfort application.

