

Horizontal position, Induced draft, As per catalogue

#### **THERMAL PERFORMANCES FOR 1 UNIT**

<b>Thermal capacity</b>	100 kW
Calculated capacity	102,7 kW
Exchange area (Thermal margin)	486 m <sup>2</sup> (2,7%)
<b>Fluid</b>	<b>MEG 35%</b>
Inlet/outlet temperature	45 / 40 °C
Flow in inlet	0,005253 m <sup>3</sup> /s
Pressure drops	29,3 kPa

#### **Ambient air**

Altitude	0 m
Temperature	34 °C
Air flow for unit at 1.2 kg/m <sup>3</sup>	39 700 m <sup>3</sup> /h

#### **SOUND LEVEL FOR 1 UNIT** *(No options - For X units, add 10logX)*

**Sound pressure level** : 56.8 dBA at 10 meters from unit,  
in the bundle axis, in free field, directivity 2, tolerance +/-2 dB.

Sound pressure level: reference  $2 * 10E-5$  Pa, tolerance +/-2 dB.

Calculated according to  $L_p = L_w - 10 \times \log S$

Sound pressure levels depend on installation conditions and are given for information only. We remind you that only sound power levels are certified and reliable values.

#### **Sound power spectrum (ISO 3744) :**

<b>Frequencies (Hz)</b>	<b>Sound power dB(A)</b>
125	74
250	80
500	84
1000	83
2000	79
4000	75
8000	66
Overall	88,6

#### **DIMENSIONS AND WEIGHT FOR 1 UNIT**

<b>Ref.</b>	<b>In mm</b>
Width Overall max	1280
Length Overall max	3560
Height Overall max	1483
Empty Weight, options included.	500 kg +/-10%

***These dimensions may be modified depending on chosen options : see options technical document***

Your reference :

**CHARACTERISTICS PER UNIT**

- **Casing** : Galvanised steel panels with paint finish on both sides - RAL 7035 (light grey)

- **1 Exchange bundle :**

Pipes: Copper

Fins material / coating: Aluminium

4 Pass(es) - Inlet/Outlet same side

Content : 80,4 dm<sup>3</sup>

PED 2014/68/UE: Article 4.3

5 Rows - fin space: 1,8 mm

In: 304L s/s flange (PN16, 02A DN 65 DIN2642)

Out: 304L s/s flange (PN16, 02A DN 65 DIN2642)

Max allowable Press./Temp.: 9 bar g. / 110 °C

- **2 Fan motor assemblies :**

rotation speed: 950 rpm

Impeller with Aluminium blades D 910 mm

Motor EC - Class F - IP54 - 400 V / 3 ph / 50 Hz

Operation : 2 x 1 960 W - 2 x 2,93 A - 950 rpm

Maximum : 2 x 3 250 W - 2 x 4,83 A - 1 100 rpm

Electrical connection(s): on motor terminal boxes without optional cabinet, else motors wired and connected to cabinet

- **Energy class : D**

• **OPTIONS AND ACCESSORIES PER UNIT**

- **Control cabinet with Dry-pic (x1)**

400 V / 3 ph / 50 Hz + N

IP54 box made from A3G aluminium with 1 general disconnect switch for copper cables, magnetic motor fuse protection, connection of engine defects, control via board Dry-pic, configured according to the manual provided, 1 fault summary, no. of stages with AC motors: 2,

Main functions of Dry-pic: staged temperature control (AC motors) or temperature control governed by rotation speed (EC motors), communication by bus connection (MODBUS protocol), balancing of the stage running times (AC motors), 2 setpoints, water law based on the outdoor temperature, free cooling management, misting management, override/automatic operation controls, configurable maximum speed (EC motors), console with LCD screen facilitating parameter setting and access to operating information (setpoint, temperature, etc.) or to faults.

- **Temperature sensor (x1)**

Fluid max. 90 °C – sensor connected and fitted on the outlet piping.

- **External sensor temperature (x1)**

to be connected to the vertical unit by the customer during installation

- **Maintenance switch (x2)**

1 near each motor; padlockable, 7 NO contacts + 1 NC contact (1 NO + 1 NC available)

- **Counter-flange kit (s/s PN16 DN65) (x1)**

comprising 2 304L stainless steel counter-flanges, PN16 DN65, DIN2642 and D76.1\*3 collets, with gaskets and bolts

**INSTALLATION PRECAUTIONS :** The installer must take all necessary precautions to avoid recycling of hot air, which would reduce the performances.

**NOTE(S)**

No chiller CARRIER associated

Applicability (Press. Equipts Dir.): Air Conditioning, Refrigeration, Heat Pumps

Power consumption indicated at 20°C - it may change depending on the air temperature and voltage variations.

Maximum consumption of the unit according to the options: refer to the instructions for electrical connection.

In case of transport by container, use an OPEN TOP.

Description	Quantity	Price per unit Without taxes EUR	Net amount Without taxes EUR
	<b>1</b>		
<b>Options at extra cost :</b>			
- Control cabinet with Dry-pic	1		
- Temperature sensor	1		
- External sensor temperature	1		

<b>Description</b>	<b>Quantity</b>		
- Maintenance switch	2		
- Counter-flange kit (s/s PN16 DN65)	1		

Based on our general terms and conditions of sale in your possession.

As part of our policy of continual improvement, we reserve the right to make any technical modifications we feel necessary without prior notice.

Validity of prices: 1 month.