

Date: 2.11.2023

Enquiry dated: Project:

Quotation-no.:

Item: 04. Frezeer In

Your reference:

PED classification:

Connections in air direction:



(DX)

Evaporator (dx) GACV CX 040.2DN/1A-A0.E-1N5M.1H0M

 Capacity:
 $3,10 \, \text{kW}^{(1)(2)}$ Refrigerant:
 $CO2 \, (R744)^{(3)}$

 Surface reserve:
 $0,00 \, \%$ Evaporation temp.:
 $-33,00 \, ^{\circ}\text{C}$

 Air flow:
 $3441,00 \, \text{m}^3/\text{h}$ Superheating:
 $10,00 \, \text{K}$

Air velocity: 2,80 m/s

Air inlet: $-22,00\,^{\circ}\text{C}$ Cond. temp.: $17.0\,^{\circ}\text{C}$ Air outlet: $-24,20\,^{\circ}\text{C}$ Subcooled temp.: $13,00\,^{\circ}\text{C}$

Air pressure: 1 013,00 mbar

Fans (AC): 1 Piece(s) 1~230V 50Hz

Data per motor (nominal data): Noise pressure level: 51,00 dB(A) in 3,00 m (5)

 Speed:
 1310 min-1
 Noise power level:
 73,00 dB(A)

 Capacity(mech./el.):
 0.10 kW/0.19 kW
 Air throw:
 approx. 13 m⁽⁶⁾

 Current:
 0,85 A⁽⁴⁾
 Frost:
 0,00 mm

ErP: Compliant⁽⁷⁾

Total el. power consumption: 0,20 kW **Energy efficiency class:** D

Tubes: Copper⁽⁸⁾ Casing: AIMg, Powder-coated RAL 9003 Surface: 14,30 m² Fins: Epoxy⁽⁸⁾ Tube volume: 4.31 Distr.press.drop: 0,00 bar Fin spacing: 10.00 mm **Outlet connection:** 15 * 1.00 mm 52 kg ⁽¹⁰⁾ Dry weight: Inlet connection: 15 * 1.00 mm

Distributions: 1 Passes: 40

Dimensions: (10)

Circuits:

Max. operating pressure:

 Length:
 1197 mm

 Width:
 672 mm

 Height:
 593 mm (10)

No. suspensions: 4

UI: 1N5M.1H0

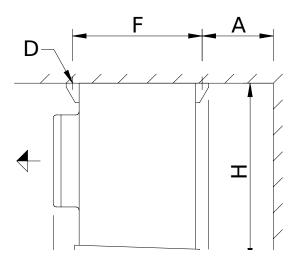
Product code: 253-1N5M.1H0.05T.RM7B-1C226.10.01.1110.0000.0010.0000 Product type: MTO - 2023-08-08, PL 1/2023, GPC.EU Customer 2023.13-279a (64 Bit)

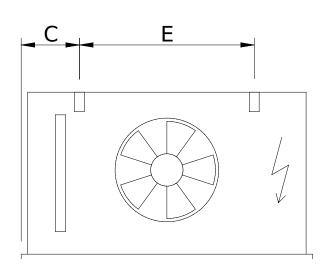
80,00 bar

1N

Delivery time: 6 weeks (Status: 2023-10-30) (11)
Our General Terms of Sale and Delivery apply!

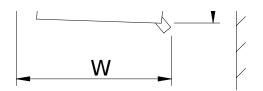
Subject to technical modifications

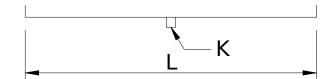




Art. 4, par. 3 (9)

right side





Drain according to DIN ISO 228-1 with G-thread (flat gasket).

Attention: Drawing and dimensions not valid for all accessory options!

L=1197 mm W=672 mm H=593 mm E=680 mm F=573 mm C=273 mm A=400 mm D=14 mm K=G11/4"

Accessories	Piece(s)
Epoxy coated fins	1
Mounting and wiring (Control cabinet, Fan)	1
Terminal box Fans wired seriell ⁽¹²⁾	1
1x (5209498) Terminal block for fan TB Fan 1ph+N 2.5 mini x1	
1 x (5209342) Terminal box (plastic) 130x94x81mm	
El. defrost coil standard for t0≥-40°C 230V 1~N+PE - 1,62kW (13)	1
El. defrost tray standard for t0≥-40°C 230V 1~N+PE - 1,2kW (13)	1
Fan ring heater - Heating rod without HeatShield 230V 1~N+PE - 0,15kW $^{(13)}$	1
Double tray with 20 mm insulation	1

Important remarks / explanatory notes:

- (1) Calculations and capacity tests are based on the following standards: condensers/gas coolers EN 327, evaporators/air coolers EN 328, dry coolers EN 1048.
- (2) Capacity including Humidity Factor
- (3) Fluid group 2 according to pressure equipment directive 2014/68/EU
- (4) The current consumption can differ in dependence of the air temperature and of the variations of system voltage according to the VDE guidance.
- (5) According to the enveloping surface method defined in EN 13487/EN 9614-1; tolerance = +2 dB(A). Applies only for AC fans, AC fans with sine control and EC fans. Noise caused by other control methods, water spraying systems or sound reflexions occurring at the installation site are not taken into account and may result in an increased sound pressure level.
- (6) Distance at which an air velocity of 0.5 m/s can still be measured isothermally in an ideal space. The achievable penetration depth of the air flow in the cold room depends on the spatial geometry and other factors.
- (7) This unit is equipped with fans that meet the efficiency requirements of Directive 2009/125/EC (ErP Directive).
- (8) The unit may not be suitable for very corrosive atmospheres (close to shores, in smoke rooms, etc.). For further information, see material recommendations brochure or ask your sales partner.
- (9) Piping (DN = 13.0 mm, TSmax = 150 °C, gaseous). Final classification according to pressure equipment directive 2014/68/EU during order processing.
- (10) Dimensions and weights are not valid for all possible options! They may differ for units with accessories or special units (S-...).
- (11) Delivery time for standard units ex works, i.e. without transport time. Times for units with customised drawing, special units, special accessories or larger quantities on request.
- $(12) (GNSM01-VT0605-ID1734-MSNW-001) Width x Height x Depth: 130 \,mm\,x\,94 \,mm\,x\,81 \,mm, Protect. system IP\,54, Operating temperature range: -35.0\,^{\circ}\text{C} -60.0\,^{\circ}\text{C}$
- (13) Fuse protection according to connected load on connection diagram, max. 25 A.