



Ceiling-mounted monobloc units



GENERAL DESCRIPTION

Pre-charged units

Equipped with hermetic reciprocating compressor and refrigerant charge R455A (A2L – GWP 148)

Wide application range

Developed to work at wide external temperatures range (min temp +10°C , max temp +43°C). Equipped with condenser fan/s pressure switch (fixed set). Set point from +5°C to -5°C for MT units and set point from -18°C to -25°C for LT units.

Easy installation

Installation through a hole on the roof of the cold room.

Equipped with the drain heater and the pipe to remove condensate water.

“Plug and play” solution

Equipped with the electronic card and the remote keyboard, a pre-arranged door switch cable, a pre-arranged room light cable, a pre-arranged door heater cable (for LT units only)



TECHNICAL DATA

Model: CMN100

GENERAL DATA		
Compressor power	cc	24,20
Compressor type		Hermetic
Refrigerant charge		R455A
Defrost system		Hot gas

ELECTRICAL DATA		
Voltage	V/ph/Hz	230/1/50
Max power input	W	1369
Max operating current	A	7,18

CONDENSER		
Fan	n. x Ø	2 x 254mm
Air flow rate	m ³ /h	1600
EVAPORATOR		
Fan	n. x Ø	2 x 200mm
Air flow rate	m ³ /h	820
Air thrown	m	5

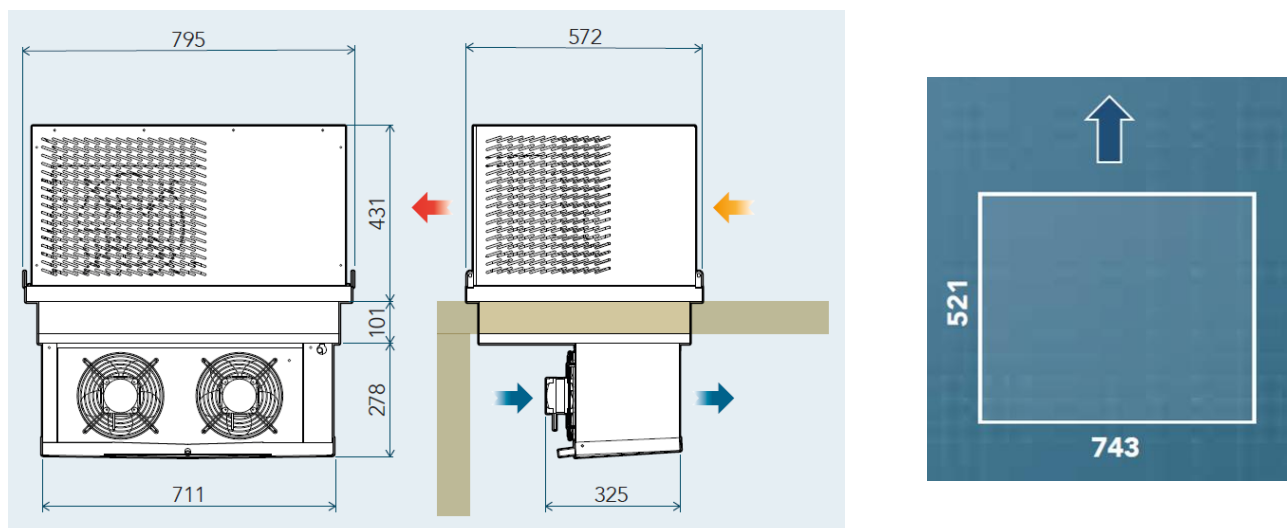
WEIGHT and DIMENSIONS		
Dimensions	Ref.	Fig. 2
Net Weight	kg	73
Gross Weight	kg	94
Packing		Wooden crate

Cooling capacity

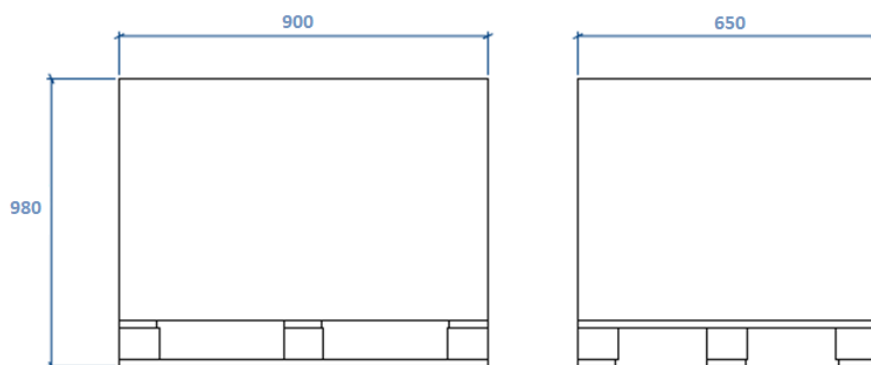
Ext. Temp.	Room Temp.		*
25°C	+5 °C	W	2232
		m ³	21,9
	0 °C	W	1925
		m ³	18,9
	-5 °C	W	1595
		m ³	13,1
32 °C	+5 °C	W	2085
		m ³	18,0
	0 °C	W	1726
		m ³	15,1
	-5 °C	W	1406
		m ³	11,0
43 °C	+5 °C	W	1850
		m ³	16,1
	0 °C	W	1430
		m ³	12,3
	-5 °C	W	1250
		m ³	8,1

*Suggested m3 Volume for cold rooms with 80mm wall thickness and insulated floor

Installation



Shipment information



Additional Options

- Crankcase heater (up to -10°C ext.temp)
- Water-cooled condenser (with pressure valve)
- WI-FI connection to a remote monitoring system
- Cataphoresis protection on condenser and evaporator coils
- Special voltage (please contact our Engineering department)
- RS485 serial interface