



## Ceiling-mounted monobloc units



### GENERAL DESCRIPTION

#### Pre-charged units

Equipped with hermetic reciprocating compressor and refrigerant charge R290 (A3 – GWP 3)

#### 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 automatic system 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: ECR100

| GENERAL DATA       |    |          |
|--------------------|----|----------|
| Compressor power   | cc | 21,02    |
| Compressor type    |    | Hermetic |
| Refrigerant charge |    | R290     |
| Defrost system     |    | Hot gas  |

| ELECTRICAL DATA       |         |          |
|-----------------------|---------|----------|
| Voltage               | V/ph/Hz | 230/1/50 |
| Max power input       | W       | 1258     |
| Max operating current | A       | 6,59     |

| CONDENSER     |        |           |
|---------------|--------|-----------|
| Fan           | n. x Ø | 2 x 254mm |
| Air flow rate | m³/h   | 1600      |
| EVAPORATOR    |        |           |
| Fan           | n. x Ø | 2 x 254mm |
| Air flow rate | m³/h   | 1300      |
| Air thrown    | m      | 6         |

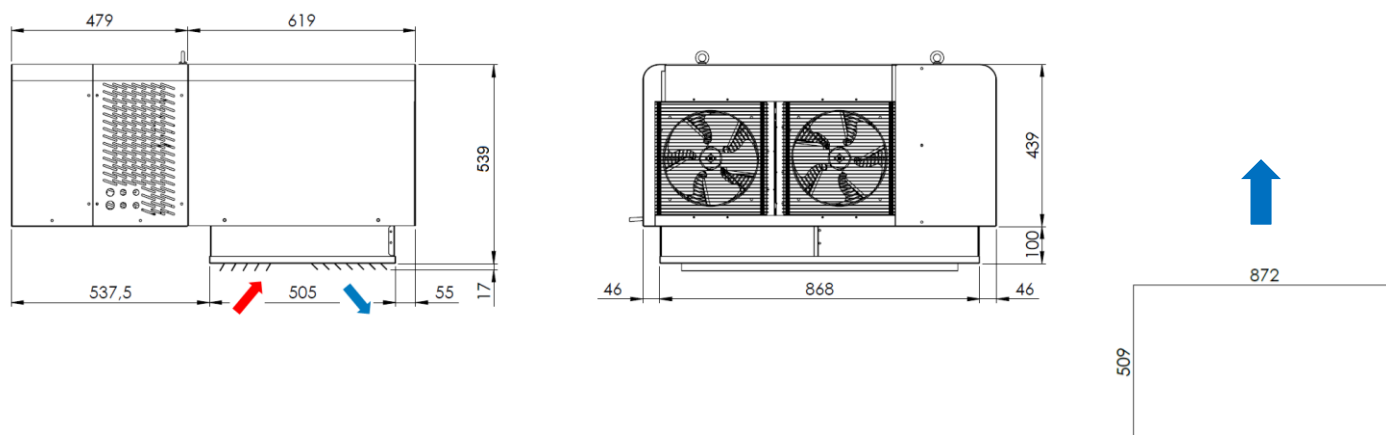
| WEIGHT and DIMENSIONS |      |              |
|-----------------------|------|--------------|
| Dimensions            | Ref. | Fig. 2       |
| Net Weight            | kg   | 78           |
| Gross Weight          | kg   | 110          |
| Packing               |      | Wooden crate |

### Cooling capacity

| Ext. Temp. | Room Temp. |    | *    |
|------------|------------|----|------|
| 25°C       | +5 °C      | W  | 2201 |
|            |            | m³ | 21,9 |
|            | 0 °C       | W  | 1855 |
|            |            | m³ | 18,4 |
|            | -5 °C      | W  | 1565 |
|            |            | m³ | 13,0 |
| 32 °C      | +5 °C      | W  | 1953 |
|            |            | m³ | 17,8 |
|            | 0 °C       | W  | 1629 |
|            |            | m³ | 14,9 |
|            | -5 °C      | W  | 1381 |
|            |            | m³ | 10,8 |
| 43 °C      | +5 °C      | W  | 1660 |
|            |            | m³ | 13,5 |
|            | 0 °C       | W  | 1357 |
|            |            | m³ | 9,0  |
|            | -5 °C      | W  | 1173 |
|            |            | m³ | 7,0  |

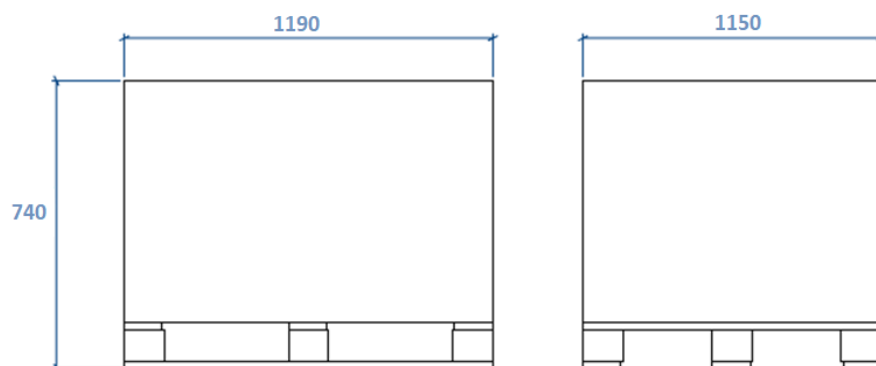
\*Suggested m3 Volume for cold rooms with 80mm wall thickness and insulated floor

## Installation



**MOUNTING**

## Shipment information



## Additional Options

- Water-cooled condenser (with pressure valve)
- Cataphoresis protection on evaporator coil
- Special voltage (please contact our Engineering department)
- RS485 serial interface