# FRESH

| ITEM: | |
|---|---|
| **MODEL:** | |
| **PROJECT:** | |
| **QTY:** | |

**Model:** O2 - Floorless

**Description:** Cold Room Chiller (-2 °C +8 °C)



## Main Features

- Quick assembly, no cutting & drilling
- White thermo-lacquered steel
- 80 mm insulation thickness;
- Cooling unit shipped pre-assembled
- Modern & intuitive controller
- Pressure relief valve
- Reversible door
- Heavy-duty usage
- Door with lock
- Climate class 5
- Operating temperature set at -2 °C +8 °C

## Alarms & Warnings

- Door open (after 5 minutes)
- High temperature (10 °C above setpoint)
- Compressor, defrost, evaporator, probes and other service requirements

## Compliance

- EN 60335-1
- EN 60335-2-89
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 55014-1:2017 + A11:2020
- EN 55014-2:1997 + A1:2001 + A2:2008 + AC:1997

**Mercatus Fresh** cold rooms offer unappalled protection of food and ingredients. The airtight insulated panels and uniform cooling system slow down food spoilage and shield perishable goods from external conditions, ensuring freshness and quality. Modular configuration, supplied with R290 cooling unit supplied pre-mounted on panel.

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## Operation

- R290 natural refrigerant gas (HCFC and CFC free)
- Built-in refrigeration unit
- Cooling unit supplied pre-mounted on a panel
- Automatic & manual defrost by hot gas
- Forced draft condensation and evaporation
- Supplied with heated pressure relief valve
- Motor fans with ECM technology
- Able to perform at climate class 5 (40°C and 40% RH)

## Controller

- LED white digital display, multilingual
- Permanent monitoring of temperature
- Visual & audible alarms in case of alarms and warnings
- Alarms record for HACCP
- Lock / unlock of keypad
- Compressor, evaporator, defrost & active alarms relay outputs
- Automatic and manual light on/off
- Adjustable operating temperature
- Factory setpoint +2 °C

## Exterior

- 35 cold room combinations
- Double wall steel panels with coating
- White food certified polyester coating RAL 9010
- Supplied with protective film
- Maximum height of panels is 2010 mm
- Self-closing door with automatic hold-open at 100°
- Lockable door with emergency opening from the inside
- Left-hand side door hinge, reversible on-site
- Special hinge with slope system
- Floorless version for roll-in storage
- Cooling unit depth 400 mm

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## Interior

- Volumes range from 2.3 m³ up to 13.0 m³
- Eco-friendly, high density polyurethane insulation
- 80 mm insulation thickness
- Ceiling height of 1940 mm
- Assembly with plug-in concept
- Double-effect camlocks with alignment chips for secure tightening
- Plastic camlock that allow easy reassembly if needed
- Emergency door opening from the inside
- Door with magnetic sealing gaskets, removable without tools
- LED Light automatically activated by door open
- Available heavy-duty modular shelving, perfectly sized to every cold room dimension
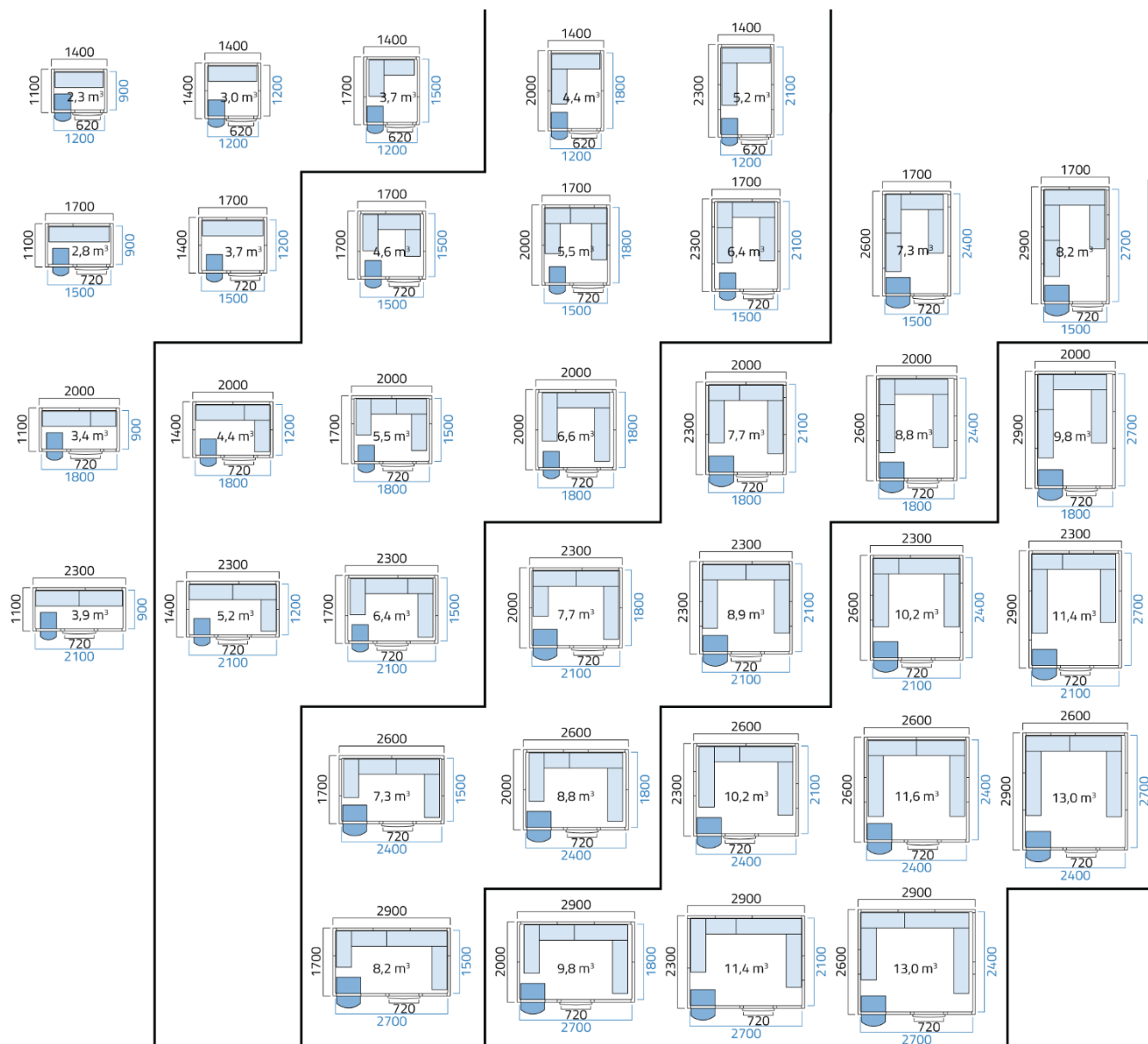- Useful door opening (height 1860 mm, widths 620/720/925 mm)

## Available options

| AREA | LETTER | DESCRIPTION | AREA | LETTER | DESCRIPTION |
|------|--------|-------------|------|--------|-------------|
| II | A | Plug type G (BS1363) | III | E | Wide door (925 mm clearance) |
| II | T | Plug type I (AS/NZS 3112) | III | F | Two doors |
| II | U | Plug type J (SEV 1011) | III | N | Strip curtain (PVC) |
| III | C | Left hand hung door | II | W | Dialog IoT |

## Available accessories

Shelving per cold room dimension

Ventilation kit (40 mm height)

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## Technical drawings & matching cooling units with specifications



| | O5-14 O5-16 | O5-24 O5-26 | O5-36 | O5-46 | Cooling units −2 °C +8 °C |
|---|---|---|---|---|---|
| Power supply | 220-240 V / 50 Hz | 220-240 V / 50 Hz | 220-240 V / 50 Hz | 220-240 V / 50 Hz | Power supply |
| Input power | 652 W / 2,8 A | 750 W / 3,3 A | 1460 W / 6,3 A | 1720 W / 7,5 A | Input power |
| Cooling power | 1258 W | 1480 W | 2500 W | 2960 W | Cooling power |
| Energy consumption | 5,6 kWh / 24 h | 6,61 kWh / 24 h | 8,00 kWh / 24 h | 9,51 kWh / 24 h | Energy consumption |
| Refrigerant / GWP | R290/3 | R290/3 | R290/3 | R290/3 | Refrigerant / GWP |
| Refrigerant charge | 0,125 kg | 0,125 kg | 0,250 kg | 0,250 kg | Refrigerant charge |
| Climate class | 5 | 5 | 5 | 5 | Climate class |