

FRESH

10099-2023-ITC-MKT

ITEM:

MODEL:

PROJECT:

QTY:

Model: O14

Code: 10714F01-0-M-0

Description: Mini Freezer Cold Room (-18 °C -23 °C)



Main Features

- Quick assembly, no cutting & drilling
- White thermo-lacquered steel
- Cooling unit shipped pre-assembled
- Modern & intuitive controller
- Heated pressure relief valve
- Reversible door
- Heavy-duty usage
- Door with lock
- 1500 L capacity
- 5-level racking
- 80 mm thermal insulation
- Adjustable operating temperature, set at -18 °C -23 °C

Alarms & Warnings

- Door open (after 30 minutes)
- High temperature (10 °C above setpoint)
- Compressor, 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

Included Accessories

- 3 stainless steel grid shelves
- Multi-level shelves support

Mercatus Fresh mini cold rooms provide large storage capacity using a small footprint. Supplied in a flat-packing to allow assembly in basements or tight access spaces. Set-up time is very quick due to easy tight lock system with camlock and because cooling unit is supplied pre-mounted on ceiling panel.

Operation

- R290 natural refrigerant gas (HCFC and CFC free)
- Built-in refrigeration unit
- Cooling unit supplied pre-mounted in the ceiling panel
- Automatic & manual defrost by hot gas
- Forced draft condensation and evaporation
- Supplied with heated pressure relief valve
- Motor fans with ECM technology
- Supplied with TEX - Thermostatic expansion Valve
- 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
- Real time clock for data records
- Compressor, evaporator, defrost & active alarms relay outputs
- Automatic and manual light on/off
- Adjustable operating temperature
- Factory setpoint -15 °C

Exterior

- 1.2 m² of floor space
- Supplied in flat-packing
- Lockable door with emergency opening from the inside
- Double steel wall panels with coating
- White food certified polyester coating RAL 9010
- Supplied with protective film
- Maximum height of panels is 2110 mm
- Self-closing door with automatic hold-open at 100°
- Left-hand side door hinge, reversible on-site
- Special hinge with slope system
- Ergonomic handle with lock

Interior

- Eco-friendly, high density polyurethane insulation
- 80 mm insulation thickness
- Ceiling height of 1844 mm
- Assembly with plug-in concept
- Double-effect camlocks with alignment chips for secure tightening
- Plastic camlock that allow easy reassembly if needed
- Floor with non-slip rigid PVC film
- Floor with preformed cut-out 135° corners easy to clean
- Emergency door opening from the inside
- Door with magnetic sealing gaskets, removable without tools
- LED Light automatically activated by door open
- Supplied with 5-level racking
- Stainless steel racking for heavy-duty usage
- Internal capacity of 1500 L

Available options

AREA	LETER	DESCRIPTION
II	A	Plug type G (BS1363)
II	T	Plug type I (AS/NZS 3112)
II	U	Plug type J (SEV 1011)

Technical specifications
Key data

Model	O14		
Operating temperature	-18...-23 °C	Temperature range	-15...-25 °C
Factory setpoint	-18 °C	Internal width	940 mm
External width	1100 mm	Internal depth	920 mm
External depth / with open door	1225 / 1950 mm	Internal height	1730 mm
External height	2282 mm	Height adjustment	---
Door hinges	Right hinges		

Shipping data

Packed weight	290 kg	Gross volume	1496 L
Shipping volume	3,15 m ³	Net volume	467 L

Technical data

Power supply	220-240 V / 50 Hz	Plug type	F (schuko)
Input power	890 W / 3,8 A	Defrost type	Hot gas
Cooling power (Te -25 °C Tc +45 °C)	1077 W		

Refrigerant data

Refrigerant fluid /GWP	R290	Operating mode	Auto, forced draft
Refrigerant charge	0,100 kg	Climate class	5

Technical drawings

Side

