

MOD : WR-Z2020-8U-R2

Production code : CFDDN0003B+IPAL402B R290

TECHNICAL CARD OF COLD ROOM C– WR-Z2020-8U-R2

MODULAR COLD ROOM ISO 80
EXTERNAL DIMENSIONS D 1790 x W 1990 x H 2190 mm
INTERNAL DIMENSIONS D 1630 x W 1830 x H 2030 mm
VOLUME 6.06 m³

PANELS

Wall/ceiling panels

The modular cold room is made of cam lock wall and ceiling panels in thickness 80 mm with internal and external finish in white anti-scratch galvanized pre-painted steel sheet, thickness 0,5 mm. Their insulation is guaranteed by the use of polyurethane foam (PUR) density = 43 Kg/m³.

Reaction to fire classification B – s3, d0

Floor panels

The floor panels in thickness 80 mm have an internal finish in non-slip phenolic plywood, thickness 9 mm and an external finish in white anti-scratch galvanized pre-painted steel sheet, thickness 0,5 mm. Their insulation is guaranteed by the use of polyurethane foam (PUR) density = 43 Kg/m³. They are vehicular floor panels with static capacity 4000 Kg/m², dynamic capacity 1500 Kg and punctual capacity 300 Kg.

Reaction to fire classification B – s3, d0

COMPONENTS

Edges

The corner joint system between wall/ceiling and floor panels is realized through foamed edges in white anti-scratch galvanized pre-painted steel sheet, thickness 0,5 mm. Their insulation is guaranteed by the use of polyurethane foam (PUR) density = 50 Kg/m³. They have an external radius of R8 mm and an internal radius of R15 mm that complies with the hygiene-health standards.

Reaction to fire classification B – s3, d0

Corner caps

The PUR corner caps ensure the perfect junction between panels and edges avoiding possible thermal bridges among the components.

Reaction to fire classification B – s3, d0

HINGED DOOR ON PANEL

Clear passage 800 x H 1900 mm on panel 1200 x H 2000 mm

The hinged door on panel in thickness 80 mm has an internal and external finish in white anti-scratch galvanized pre-painted steel sheet, thickness 0,5 mm. Its insulation is guaranteed by the use of polyurethane foam (PUR) density = 43 Kg/m³. The blade is finished with smooth anodized aluminum profile, rounded and without visible screws. The frame is finished with PVC profile for thermal break. There is a PVC gasket and EPDM rubber thermal resistance around the perimeter of the blade. The hinges with ramp are in composite material with 12 mm pin and vertical adjustment 24 mm. The fastening is in composite material with outside key and inside safety release push-button; adjusting on the catch, European standard compliant cylinder.

Reaction to fire classification B – s3, d0

ACCESSORIES

LT wall saddle monoblock

Plug-in panel with hooks for monoblock installation

Pressure relief valve for freezer rooms

Heating cable for door

Wall saddle monoblock medium temperature



Accessories
Included

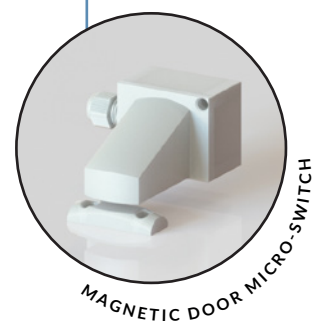
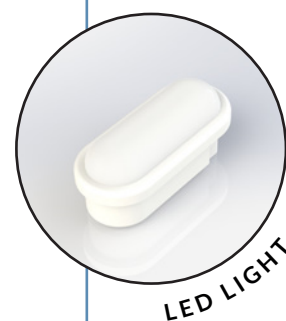


Table of cooling capacities in W and in cold room m³ - MOD. WR-Z2020-8U-R2

COLD ROOM T.						
AMBIENT T.	-15 °C		-20 °C		-25 °C	
	W	m3	W	m3	W	m3
25 °C	1206	21,0	1039	11,7	883	7,5
32 °C	1117	13,1	959	8,0	812	5,5
38 °C	1001	10,1	844	6,3	698	4,3
43 °C	933	7,1	783	4,5	645	3,1

Technical data

Model	WR-Z2020-8U-R2
Serie	Monoblock (400)
Mounting	Wall
Sound	32,8 dBA 10m
Application	MBP
Expansion	Valve
Defrost	Hot gas
PED CAT.	Art. 4,3
Refrigerant	≤ 150g R290

Dimensions

Width W	400 mm
Depth P	922 mm
Height H	800 mm
Net weight	54 kg

Absorption

Power consumption	905 W
Current consumption	4,5 A

Condenser

Condensation	Air
Number of fan-motors	1
Diameter	254 mm
Air flow	700 m ³ /h

Evaporator

Number of fan-motors	1
Diameter	254 mm
Air flow	650 m ³ /h
Air throw	6,5 m

Compressor

Type	Hermetic
Compr. Number	1 (NT2210U)
Brand	EMBRACO
Voltage	220-240/1/50
Displacement	27,8 cm ³

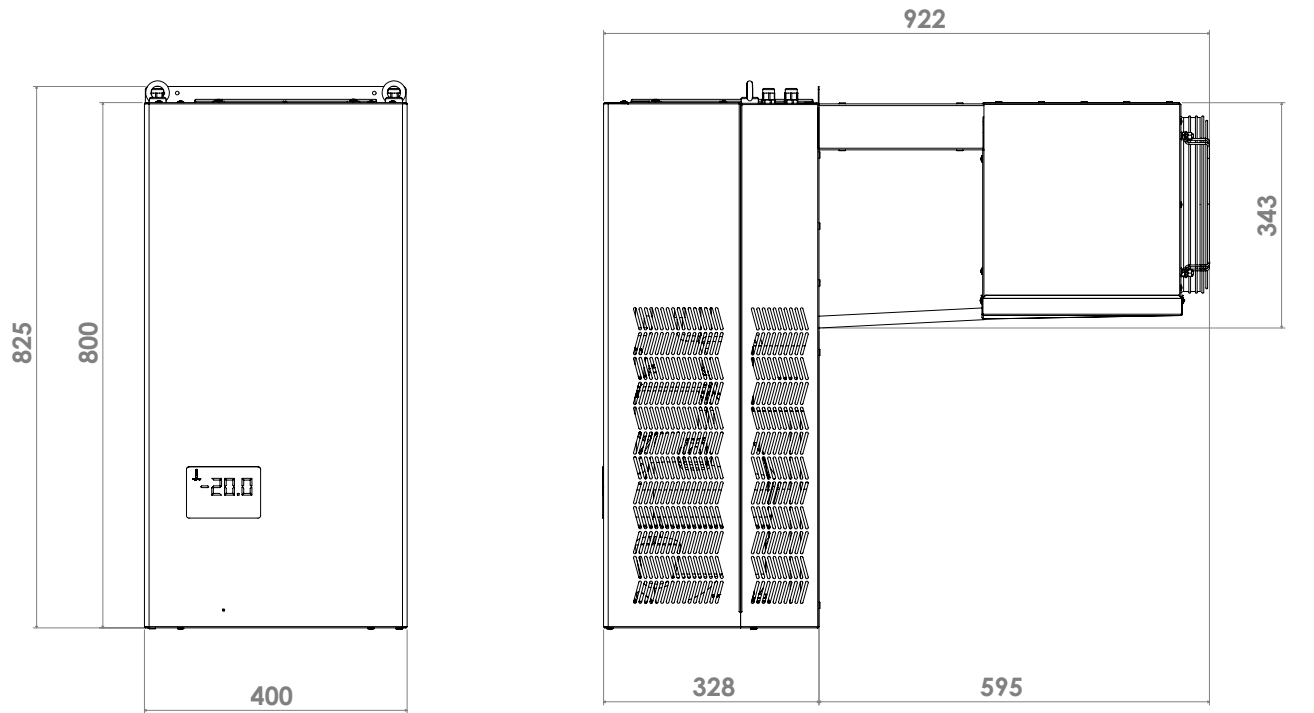
Technical features (standard)

- Structure in zinc-plated metal sheet coated with epoxy primer and powder (RAL 9003);
- Easily removable front cover to facilitate both verification and maintenance operations;
- Internal arrangement of components designed to facilitate their maintenance;
- Hermetic compressors with thermal motor protection;
- Heat exchangers with striped copper and aluminium pipes;
- Air condensation;
- Air evaporation;
- Thermostatic valve expansion;
- Programmable hot gas defrosting;
- Heating cable for condensate drain in both NT and LT;
- Stainless steel tray for condensed water evaporation equipped with a copper coil with cataphoresis coating and an overflow exhaust pipe;
- High-pressure safety pressure switch (automatic reset/fixed setting);
- Electronic control unit;
- Programmable electronic board with touch control display;
- Control unit designed for remote management via Wi-Fi module (optional);
- Cold room light with cable L=2,5m;
- Magnetic micro-switch with cable L=2,5m;
- Power cable L=2,5m;
- Packaging with wooden pallet and cardboard (included)

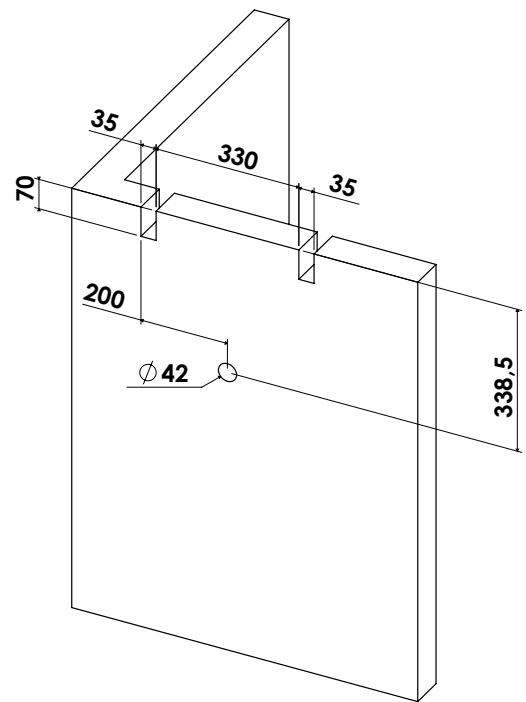
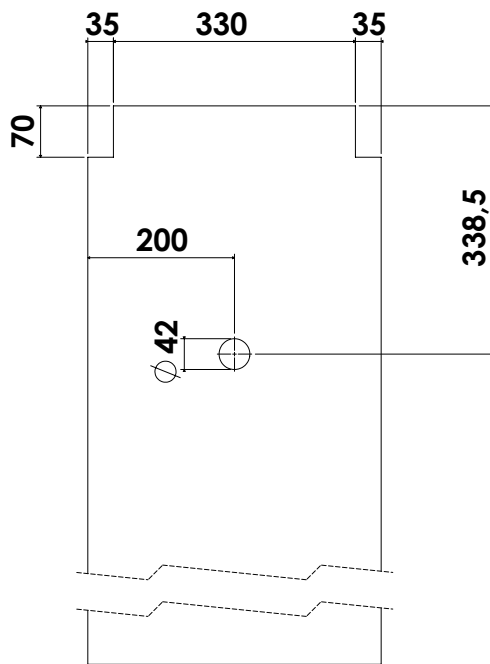
Optional on request

- Plug-in kit th.100 mm without hooks 400 series;
 - Plug-in kit th.60 mm with hooks 400 series;
 - Plug-in kit th.80 mm with hooks 400 series;
 - Plug-in kit th.100 mm with hooks 400 series;
 - Plug-in kit th.120 mm with hooks 400 series;
 - Plug-in kit th.140 mm with hooks 400 series;
 - Low-pressure switch (automatic reset/fixed setting);
 - Wi-Fi module for remote management;
 - Compressor crankcase heater;
 - Winter set;
 - Remote control panel with cable of 5/10/15/20m;
- Length increase for machine's power cables, light cable and door micro- switch cable (5/10/15/20m);
- Voltage monitor for three-phase application;
 - Cataphoresis treatment on evaporator and/or condenser;
 - Packaging with wooden cage.

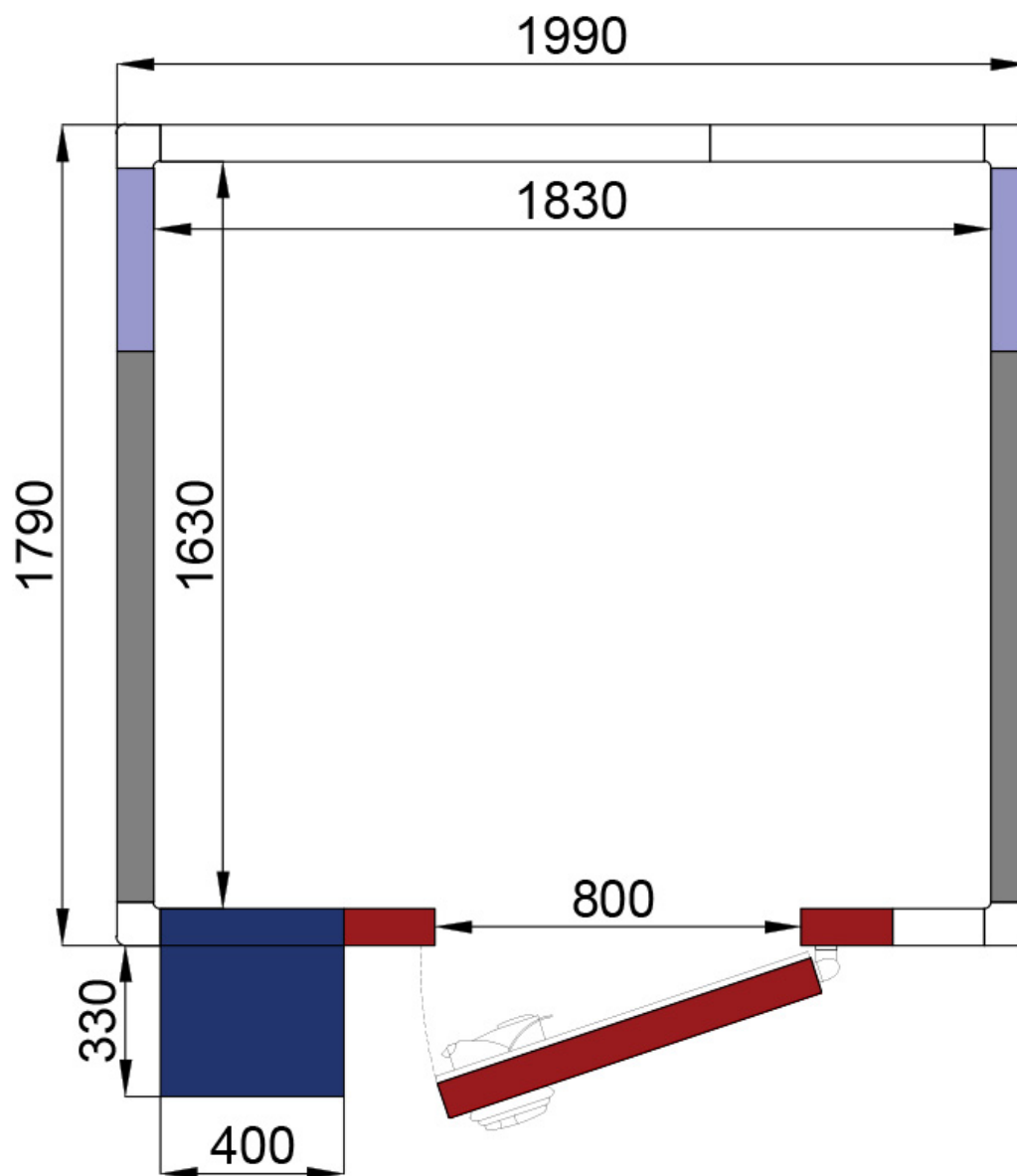
400 series *wall monoblock dimensions*



Hole size *in the cold room panel*



Exterior height 2190 mm - Interior height 2030 mm



- Placing of the door
- Placing of the unit
- Other possibilities door
- Other possibilities unit