



INDICATIVE PRODUCT IMAGE

Product file

Type	Compact
Mounting	Wall
Code	BYWT302MA50P11
Range	BYWT
Version	Plug-in
Noise	42.7 dBA 10 m
Condensation	Air
Net weight	83 kg
PED	0
Defrost	Hot gas
Expansion	Valve
Application	MBP
Refrigerant	R290

Dimensions

Width L	671 mm
Depth P	975 mm
Height H	828 mm

Absorptions

Power consumption	1490 W
Current consumption	8.1 A

Condenser

Diameter	300 mm
Air flow	1200 m³/h

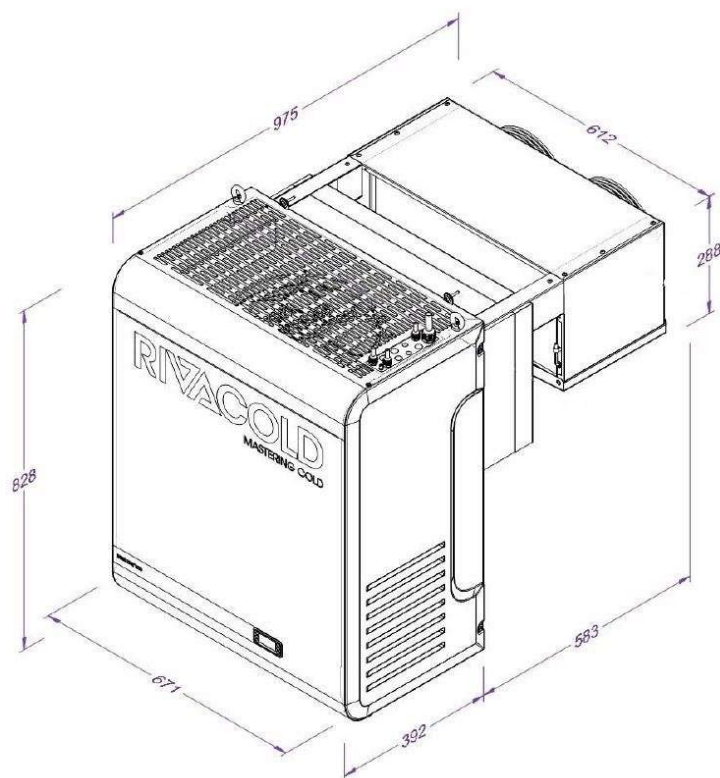
Unit cooler

Fan-motors no.	2
Diameter	200 mm
Air flow	1000 m³/h
Air throw	6.5 m

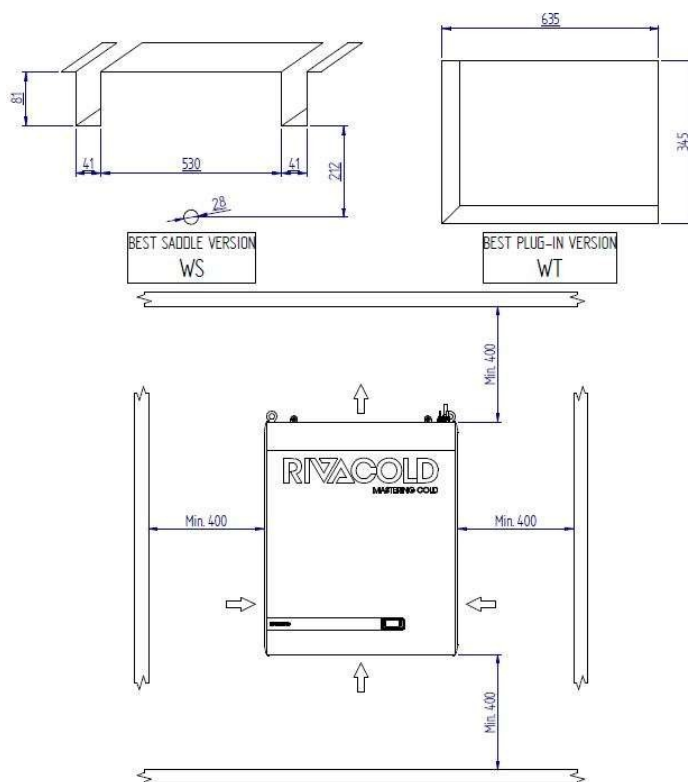
Compressor

Type	Hermetic
Compressors no.	2
Brand	EMBRACO
Voltage	230/1/50
Displacement	2 X 16.8 cm³

Technical data - BYWT302MA50P11



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Refrigerating capacity table (W) - BYWT302MA50P11 - Refrigerant: R290

TA \ Tcella	-5 °C	0 °C	5 °C	10 °C	15 °C
25 °C	2315 (28.1 m³)	2662 (41.6 m³)	3034 (62.7 m³)	3428 (97.4 m³)	3842 (159 m³)
32 °C	2175 (21.5 m³)	2503 (31.9 m³)	2853 (47.9 m³)	3222 (74 m³)	3611 (121 m³)
38 °C	2049 (16.1 m³)	2359 (24.4 m³)	2689 (36.8 m³)	3036 (56.5 m³)	3400 (91 m³)
43 °C	1939 (11.4 m³)	2233 (18.9 m³)	2545 (28.5 m³)	2872 (43.5 m³)	3215 (69.6 m³) ⁽¹⁾

(1) With Troom > 10°C, Max Tamb = +38°C

Values referred to :

Suction gas : +20°C

Subcooling : 0K

Superheat : 100%

Tamb : +32°C

Compressor absorption :
Te -5°C (HBP); Tcond +50°C
Te -10°C (MBP); Tcond +50°C
Te -30°C (LBP); Tcond +50°C



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MECHANICAL PART MAIN COMPONENTS

- Hermetic compressors with thermal motor protection
- Condenser with Ø5mm tubes with internal spiral rifling
- Evaporator with Ø5/16" tubes with internal spiral rifling
- Electronic fan-motors on both condenser and evaporator
- Mechanical thermostatic valve supplied standard across the entire range
- Hot gas defrosting
- Evaporating water tray
- R290 refrigerant charge ≤ 150g per circuit

CONTROL CIRCUIT and ELECTRICAL PART

- Safety pressure switch on high pressure side
- Door micro-switch wired with cable L= 2.5
- Door heater cable on LT models (L = 2.5m)
- LED cold room light with cable L= 5m
- Power supply cable L= 2.5 m with wired electrical plug
- Industrial Plug (2P+E or 3P+N+E) 16 A
- Industrial Plug (2P+E) 32 A only on BEWx352MA80P11 and BEWx352LA60P11

ELECTRONIC CONTROL

- Electronic board that can be programmed according to different user requirements
- Connection cable for BMS (RTU Modbus Protocol) L=5 m
- integral control panel

STRUCTURE

- Self-supporting frame in galvanized metal sheet
- Easily removable housing for a rapid access to the components in case of inspection or maintenance
- Installation kit complete with screws and washers to secure the packaged system to the wall of the coldroom and sealing putty in strips for insulation
- Plug-in thickness 100 mm for MT models and 150 mm for BT models (WT models)

OPTIONAL ITEMS

- Plug-in insulation kits supplied separately for saddle models (WS): 100mm, 150mm, 200mm
- Extension cable kits L=5m and L=10m (coldroom light cable, door heater cable, micro-switch cable)
- Presetting for Master & Slave (cable L=5m)