



INDICATIVE PRODUCT IMAGE

Product file

Type	Compact
Mounting	Wall
Code	BYWT251MA20P11
Range	BYWT
Version	Plug-in
Noise	35.5 dBA 10 m
Condensation	Air
Net weight	48.5 kg
PED	0
Defrost	Hot gas
Expansion	Valve
Application	MBP
Refrigerant	R290

Dimensions

Width L	421 mm
Depth P	876 mm
Height H	728 mm

Absorptions

Power consumption	780 W
Current consumption	4.3 A

Condenser

Diameter	254 mm
Air flow	600 m³/h

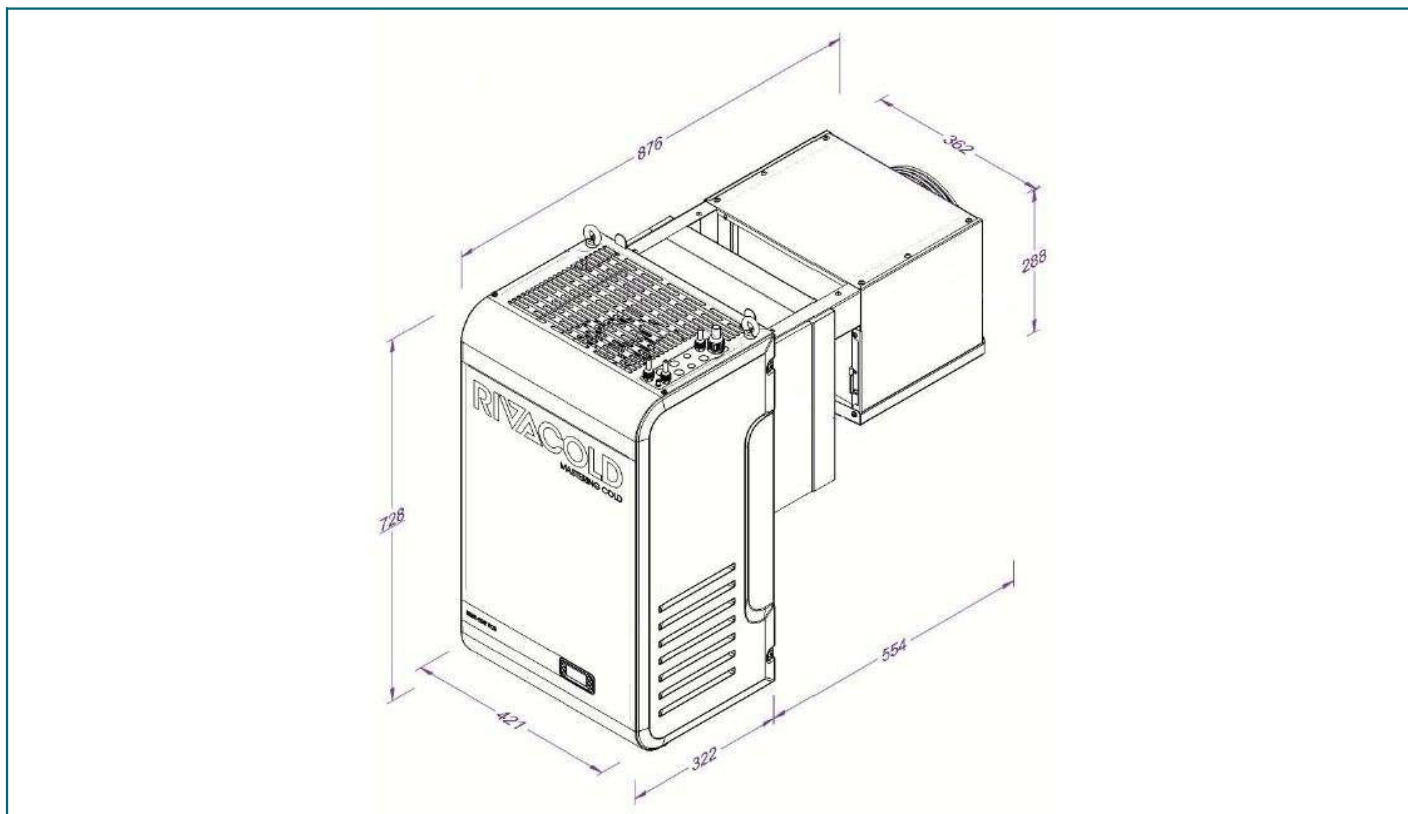
Unit cooler

Fan-motors no.	1
Diameter	200 mm
Air flow	500 m³/h
Air throw	6.5 m

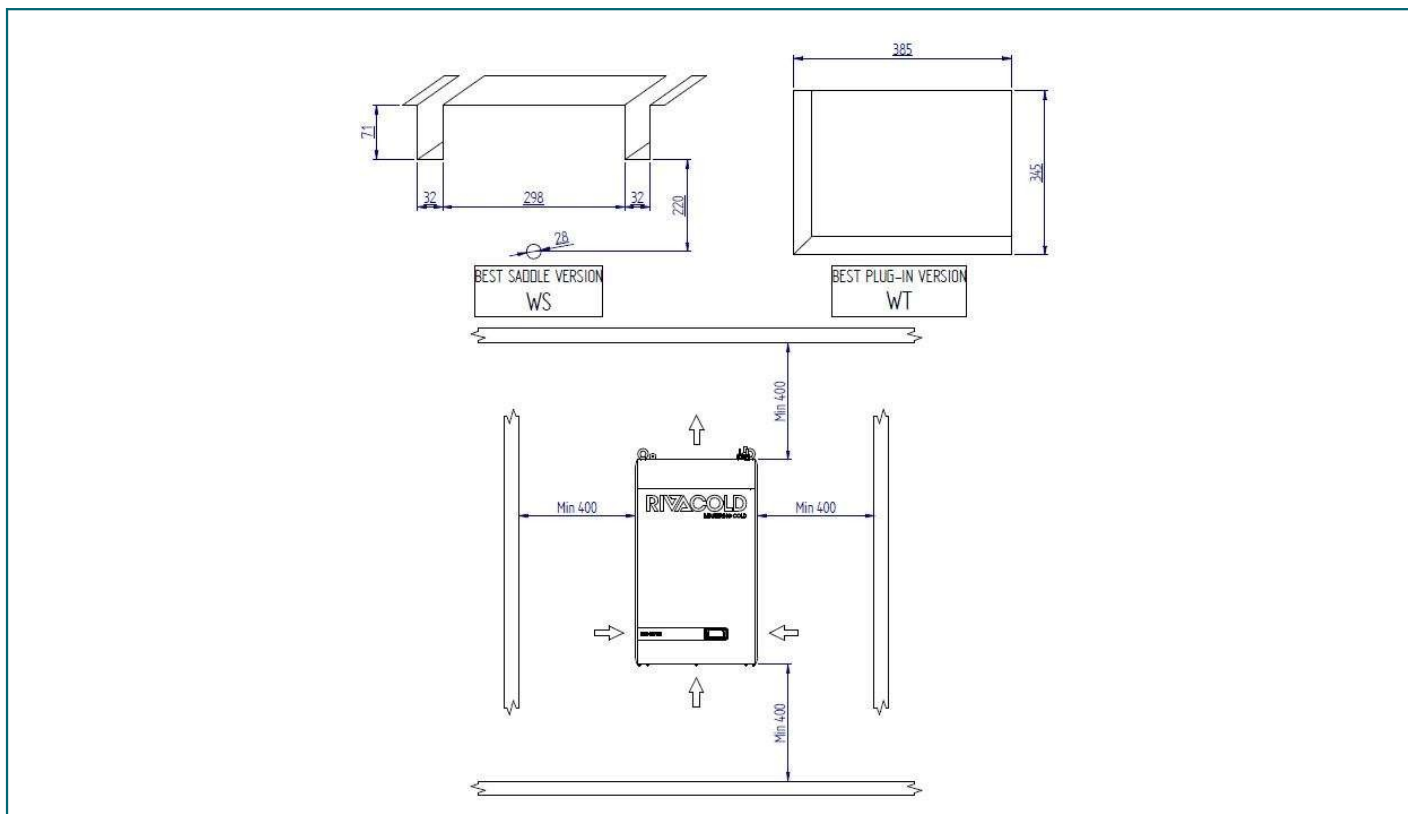
Compressor

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

Technical data - BYWT251MA20P11



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Refrigerating capacity table (W) - BYWT251MA20P11 - Refrigerant: R290

TA \ Tcella	-5 °C	0 °C	5 °C	10 °C	15 °C
25 °C	1166 (11.1 m³)	1343 (17.9 m³)	1533 (27.9 m³)	1735 (45 m³)	1948 (75.3 m³)
32 °C	1097 (8.1 m³)	1265 (11.9 m³)	1443 (20.1 m³)	1633 (32.1 m³)	1832 (54.4 m³)
38 °C	1035 (6 m³)	1193 (8.8 m³)	1362 (13.6 m³)	1540 (22.9 m³)	1728 (38.4 m³)
43 °C	981 (4.7 m³)	1131 (6.7 m³)	1290 (9.7 m³)	1459 (16.5 m³)	1635 (27.5 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)