



INDICATIVE PRODUCT IMAGE

Product file

Code	BYWT352MA80P12
Gas	R290
Application	MBP
Series	BYWT
Expansion	Valve
Exchange	Air
Net weight	103 kg
Gross weight	132 kg
Ped	0
Defrost	Hot gas
Mounting	Wall
Type	Compact
Version	Overlapped

Compressor

Compressor no.	2
Compressor type	Hermetic
Compressor brand	EMBRACO
Compressor voltage	400/3/50
Compressor displacement	2 X 27.8 cm ³

Condenser

Fan-motors no.	1
Fan blade diameter	350 mm
Condenser air flow	2540 m ³ /h

Evaporator

Fan-motors no.	1
Fan blade diameter	350 mm
Air throw	8.00 m
Evaporator air flow	2740 m ³ /h

Absorptions

Power absorbed	2440 W
Current absorbed	4.40 A
Maximum current	9.00 A

Dimensions

Width	711 mm
Depth	1254 mm
Height	828 mm
Width packaging	840 mm
Depth packaging	1370 mm
Height packaging	980 mm

Refrigeration capacity table – BYWT352MA80P12 – Refrigerant: R290

Ambient temperature	Cell temperature	Cell volume	Capacity	Limitations
25 °C	-5 °C	48.40 m³	3622 W	-
25 °C	0 °C	70.10 m³	4144 W	-
25 °C	5 °C	103.00 m³	4697 W	-
25 °C	10 °C	156.00 m³	5279 W	-
25 °C	15 °C	251.00 m³	5885 W	-
32 °C	-5 °C	38.00 m³	3386 W	-
32 °C	0 °C	55.00 m³	3877 W	-
32 °C	5 °C	80.90 m³	4399 W	-
32 °C	10 °C	122.00 m³	4950 W	-
32 °C	15 °C	196.00 m³	5526 W	-
38 °C	-5 °C	29.80 m³	3175 W	-
38 °C	0 °C	43.50 m³	3643 W	-
38 °C	5 °C	64.00 m³	4142 W	-
38 °C	10 °C	96.50 m³	4670 W	-
38 °C	15 °C	153.00 m³	5223 W	-
43 °C	-5 °C	23.70 m³	3001 W	-
43 °C	0 °C	34.80 m³	3453 W	-
43 °C	5 °C	51.60 m³	3936 W	-
43 °C	10 °C	77.60 m³	4447 W	-
43 °C	15 °C	121.00 m³	4983 W	With Troom > 10°C, Max Tamb = +38°C

Values referred to :

Suction gas : +20°C

Subcooling : 0K

Superheat : 100%

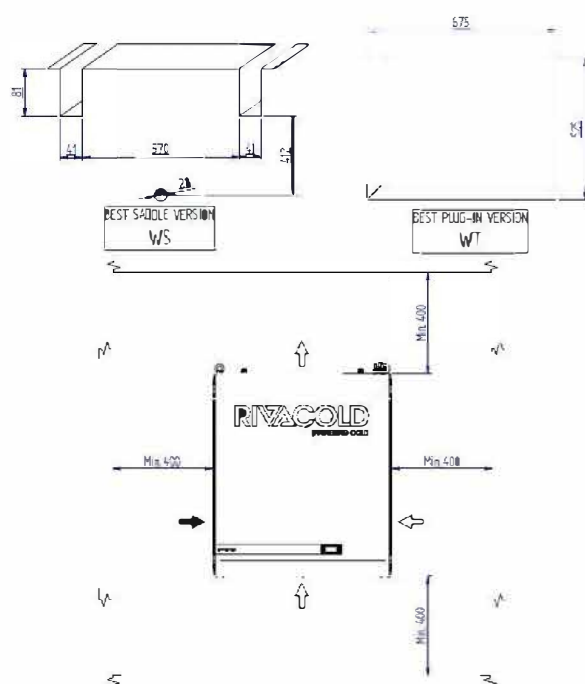
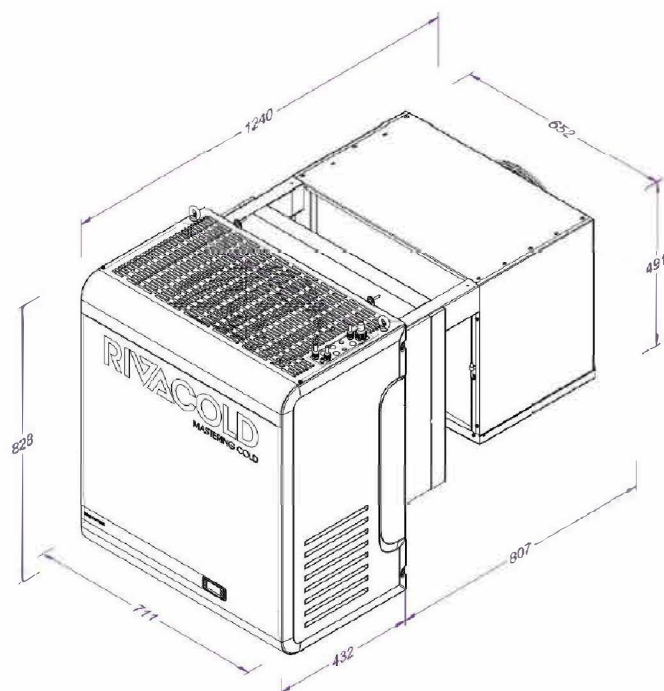
Compressor absorption :

Te -5°C (HT); Tcond +50°C

Te -10°C (MT); Tcond +50°C

Te -30°C (LT); Tcond +50°C

Technical drawings – BYWT352MA80P12





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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 $\leq 150\text{g}$ 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
- **OPTIONAL**
 - 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)
 - Accessory required for multiple units installed in the same cold room (1 per unit) – Master/Slave wiring kit (5 m cable)
 - Cataphoresis treatment of exchangers (Condenser + Evaporator)