



INDICATIVE PRODUCT IMAGE

Product file

Code	BYWT352LA60P12
Gas	R290
Application	LBP
Series	BYWT
Expansion	Valve
Exchange	Air
Net weight	101 kg
Gross weight	130 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	1800 W
Current absorbed	3.30 A
Maximum current	7.10 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 – BYWT352LA60P12 – Refrigerant: R290

Ambient temperature	Cell temperature	Cell volume	Capacity
25 °C	-25 °C	25.70 m ³	1939 W
25 °C	-20 °C	40.80 m ³	2313 W
25 °C	-15 °C	64.90 m ³	2720 W
32 °C	-25 °C	18.60 m ³	1812 W
32 °C	-20 °C	29.60 m ³	2165 W
32 °C	-15 °C	46.80 m ³	2549 W
38 °C	-25 °C	12.10 m ³	1688 W
38 °C	-20 °C	21.70 m ³	2023 W
38 °C	-15 °C	34.20 m ³	2388 W
43 °C	-25 °C	9.30 m ³	1579 W
43 °C	-20 °C	15.80 m ³	1899 W
43 °C	-15 °C	25.80 m ³	2248 W

Values referred to :

Suction gas : +20°C

Subcooling : 0K

Superheat : 100%

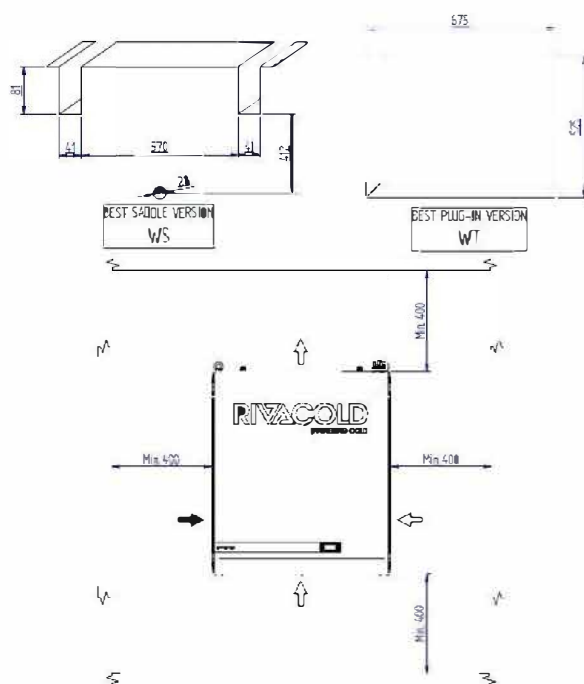
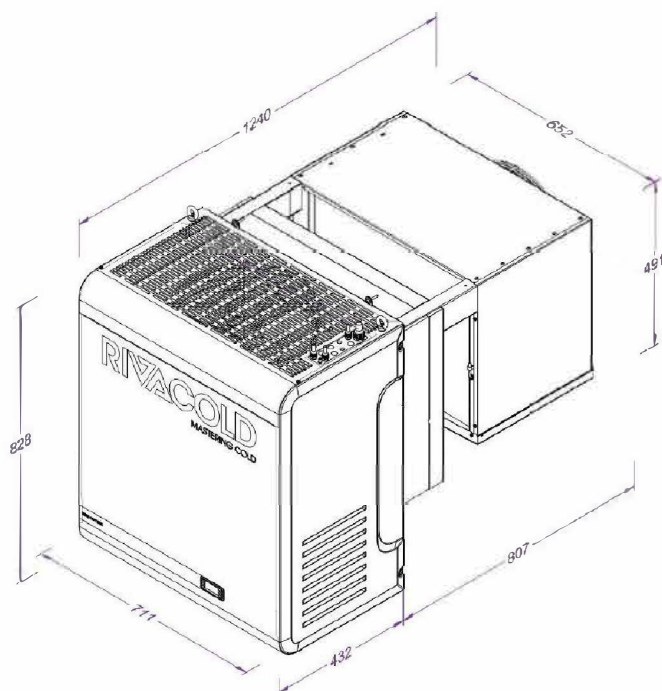
Compressor absorption :

Te -5°C (HT); Tcond +50°C

Te -10°C (MT); Tcond +50°C

Te -30°C (LT); Tcond +50°C

Technical drawings – BYWT352LA60P12





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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
- **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)