



INDICATIVE PRODUCT IMAGE

## Product file

|              |                |
|--------------|----------------|
| Code         | BYWS301LA40P11 |
| Gas          | R290           |
| Application  | LBP            |
| Series       | BYWS           |
| Expansion    | Valve          |
| Exchange     | Air            |
| Net weight   | 64 kg          |
| Gross weight | 86 kg          |
| Ped          | 0              |
| Defrost      | Hot gas        |
| Mounting     | Wall           |
| Type         | Compact        |
| Version      | Overlapped     |

## Compressor

|                         |                       |
|-------------------------|-----------------------|
| Compressor no.          | 1                     |
| Compressor type         | Hermetic              |
| Compressor brand        | EMBRACO               |
| Compressor voltage      | 230/1/50              |
| Compressor displacement | 33.40 cm <sup>3</sup> |

## Condenser

|                    |                        |
|--------------------|------------------------|
| Fan-motors no.     | 1                      |
| Fan blade diameter | 300 mm                 |
| Condenser air flow | 1200 m <sup>3</sup> /h |

## Evaporator

|                     |                        |
|---------------------|------------------------|
| Fan-motors no.      | 2                      |
| Fan blade diameter  | 200 mm                 |
| Air throw           | 6.50 m                 |
| Evaporator air flow | 1000 m <sup>3</sup> /h |

## Absorptions

|                  |         |
|------------------|---------|
| Power absorbed   | 1090 W  |
| Current absorbed | 5.90 A  |
| Maximum current  | 10.50 A |

## Dimensions

|                  |         |
|------------------|---------|
| Width            | 671 mm  |
| Depth            | 975 mm  |
| Height           | 828 mm  |
| Width packaging  | 765 mm  |
| Depth packaging  | 1070 mm |
| Height packaging | 980 mm  |

## Refrigeration capacity table – BYWS301LA40P11 – Refrigerant: R290

| Ambient temperature | Cell temperature | Cell volume          | Capacity |
|---------------------|------------------|----------------------|----------|
| 25 °C               | -25 °C           | 9.70 m <sup>3</sup>  | 1070 W   |
| 25 °C               | -20 °C           | 16.50 m <sup>3</sup> | 1265 W   |
| 25 °C               | -15 °C           | 27.00 m <sup>3</sup> | 1478 W   |
| 32 °C               | -25 °C           | 7.00 m <sup>3</sup>  | 993 W    |
| 32 °C               | -20 °C           | 10.40 m <sup>3</sup> | 1177 W   |
| 32 °C               | -15 °C           | 18.20 m <sup>3</sup> | 1377 W   |
| 38 °C               | -25 °C           | 5.20 m <sup>3</sup>  | 925 W    |
| 38 °C               | -20 °C           | 7.70 m <sup>3</sup>  | 1099 W   |
| 38 °C               | -15 °C           | 11.30 m <sup>3</sup> | 1288 W   |
| 43 °C               | -25 °C           | 4.00 m <sup>3</sup>  | 867 W    |
| 43 °C               | -20 °C           | 5.90 m <sup>3</sup>  | 1033 W   |
| 43 °C               | -15 °C           | 8.60 m <sup>3</sup>  | 1211 W   |

### Values referred to :

Suction gas : +20°C

Subcooling : 0K

Superheat : 100%

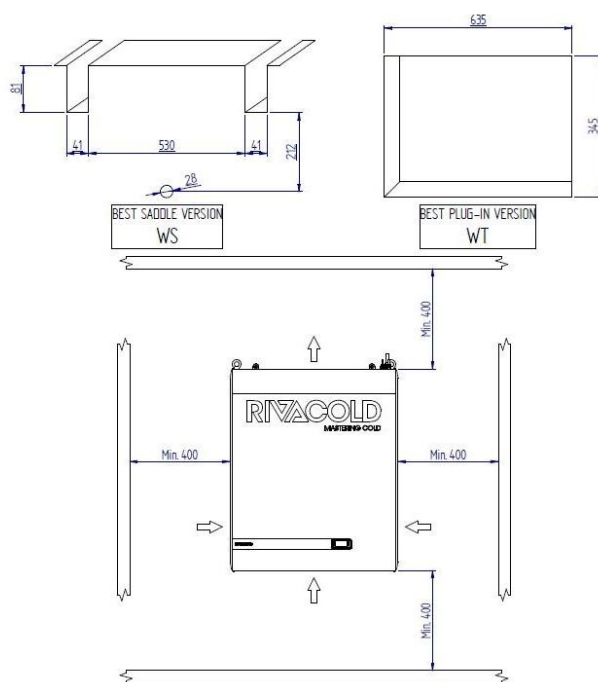
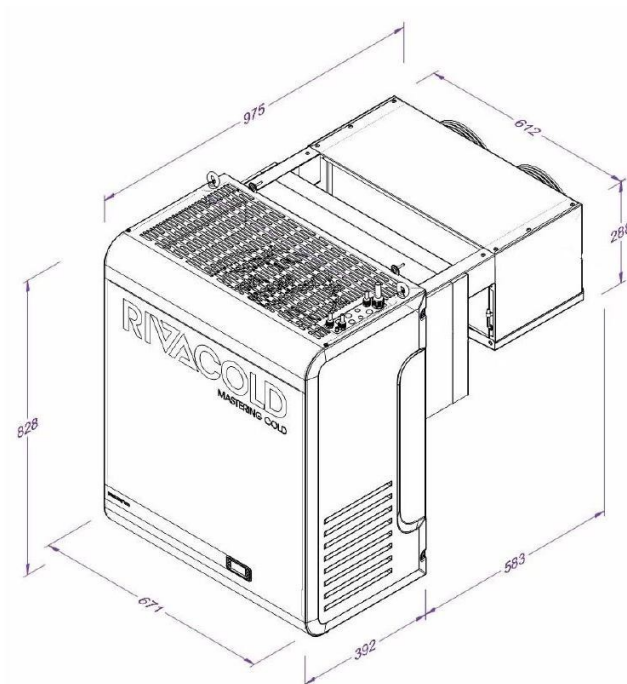
Compressor absorption :

*Te -5°C (HT); Tcond +50°C*

*Te -10°C (MT); Tcond +50°C*

*Te -30°C (LT); Tcond +50°C*

## Technical drawings – BYWS301LA40P11





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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)
  - Presetting for Master & Slave (cable L=5m)