

BLU-BIT Air-water heat exchangers for vertical or roof mounting

High cooling capacities in a compact size combined with the total absence of routine maintenance. These are the main features of the BLU and BIT air-water heat exchangers that are the best air conditioning means for working in environments under extreme temperature and dust/oil contamination conditions.

A wide power range

The range of cooling capacities goes from 1000 to 15000 W for the vertical series while for the roof series we have a 2500 W model.

No routine maintenance

Thanks to the particular shape and construction of these exchangers, no routine maintenance (changing the filter or cleaning the exchanger) is required to ensure continued and trouble-free operation.

Optimum enclosure protection

The BLU/BIT exchangers, thanks to their particular design principle and the correctly applied self-adhesive seal, guarantee an IP55 protection level (EN 60529) meaning they are ideal for heavily polluted external environments.

Protection of the environment

The exchangers of the BLU/BIT range use water as their cooling agent. Being a natural product there is no negative impact on

the environment and, what's more, these exchangers are so quiet that they help keep the level of noise relatively low inside the rooms where they are installed.



Supply voltages

The foreseen supply voltages up to 4500 W of refrigerating capacity are 230V single-phase and 115V single-phase, both in dual-frequency 50-60 Hz.

The models designed for higher capacities have available supplies of 230V single-phase and 400/440V two-phase both in dual-frequency 50-60 Hz.

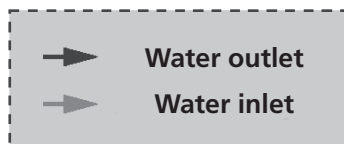
Painting

RAL 7035 orange peel effect is the standard colour. Epoxy powder paint is used. On re-

quest other colours are available as well as stainless steel versions.

Accessories

An optional thermostat and/or level indicators can be incorporated to control an ON/OFF solenoid valve to stop or let water through. Such an option optimises heat exchange in function of the temperatures wanted inside the panel, avoiding all unnecessary use of water and keeping an accurate check on condensation.





Application tips

- These exchangers maximise the ratio between cooling capacity and dimensions.
- Thanks to their IP protection level, the air-water exchangers are ideal in heavily polluted environments.
- To work properly, these exchangers must be connected to the existing water mains or water chillers.
- With the BLU/BIT exchangers it is possible to cool the inside of the panel to temperatures below room temperature that can even reach 70°C.
- When choosing the exchanger, calculate a 10% margin in consideration of the most difficult conditions in which it could work.
- Seal the enclosure accurately. Gaps can lead to excessive condensation tending to lower the exchanger's protective effect in heavily polluted environments.
- Install the exchanger in the highest point of the panel to allow removal of the hottest air, enhancing heat exchange.
- If the flow air is hindered due to the layout of the electric/electronic components, the heat exchange will be undermined.
- The exchanger's supply line must be protected by either a delayed fuse or a circuit breaker rated according to the unit's technical data.