

# BLU-BIT

Air-water heat exchangers for door or wall and roof installation

High cooling power capacities with reduced unit sizes, completely free from scheduled maintenance. These are the main features of the BLU-BIT range, the best choice of air conditioner when working in extreme temperature environments with dust and oil contamination.



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## WIDE RANGE OF POWER OUTPUTS

The range of cooling power outputs ranges from 1000 to 25000 W for the vertical range, while the roof range is represented by a 2500 W model.

## NO SCHEDULED MAINTENANCE

The special layout of these machines means they do not require regular/scheduled maintenance (replacement of filters or cleaning of the heat exchanger) to guarantee full operation.

## OPTIMISED PROTECTION OF THE CABINET

BLU/BIT heat exchangers, thanks to their innovative design combined with the correct application of the self-adhesive sealing gasket, guarantees IP55 ingress protection (EN 60529), meaning they are ideal for particularly contaminated outdoor environments.

## ENVIRONMENTAL PROTECTION

BLU/BIT heat exchangers use water as the heat transfer medium. As this is a natural product, the environmental impact is guaranteed to be permanently low. Moreover, these machines are extremely quiet, contributing to help keep the noise level of the environments where they are installed low.

## SUPPLY VOLTAGES

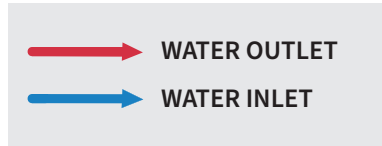
The supply voltages for cooling capacities up to 4500 W are 230V single phase and 115V single phase, both in 50-60Hz dual frequency. For higher power models, the available voltages are 230V single phase and 400/440V dual phase, both in 50-60Hz dual frequency.

## PAINT/COATING

The standard colour is RAL 7035 textured. The coating is epoxy powder coating. On request, non-standard colours are also available. Stainless-steel versions are also available on request.

## ACCESSORIES

In order to optimise the heat exchange on the basis of the temperature required inside the enclosure, avoid using water unnecessarily and allow correct condensate management, thermostats and/or level indicators can be incorporated to control an ON/OFF solenoid valve which will allow or inhibit the water flow.



## Application tips

- These machines allow the relationship between cooling power and volume to be maximised.
- The air-water heat exchangers are ideal for particularly dirty environments thanks to their IP rating.
- In order to allow correct operation, it must be possible to connect to an existing water supply or else it must be possible to connect these machines to water chillers.
- BLU/BIT heat exchangers allow cooling of the cabinet interior to below the ambient temperature, which can be up to 70°C.
- When choosing the heat exchanger, keep a 10% margin over and above the most demanding operating conditions foreseen.
- Seal the cabinet well. The presence of any cracks would lead to excessive condensate production and would lower the protective effect of the heat exchanger when operating in particularly dirty environments.
- Always install the heat exchanger in the highest possible position of the cabinet in order to allow the air intake to draw in air of the highest possible temperature, optimising the heat exchange.
- When arranging the electrical/electronic layout, try to avoid blocking the air flow in order to prevent compromising the heat exchange.
- The heat exchanger power supply line must be protected with a time delay fuse or circuit breaker of suitable size on the basis of the unit's technical data.