

Cassette units ACQVARIA

Cassette fan coils with BLDC motor

ACQVARIA 3 – 10 kW



Available from June 2020



BLDC motor



Supervision
GARDA



2 pipes
systems



4 pipes
systems



Touch screen
device



Recess
ceiling-mount

PLUS

- » GreenTech Technology
- » Permanent magnet BLDC motor insures a precise, continuous control of operation
- » Low energy consumption
- » Fresh air with direct or mixed introduction
- » Condensate drainage pump for height differences of up to 0.9 m
- » Reduced installation and commissioning time

Comfort, low noise, and efficiency in perfect harmony!

The new series of hydronic cassette units ACQVARIA, with inverter-controlled permanent magnet BLDC motor, consists of six models (10-20-30-40-50-60) for 2-pipe systems and four models (10-30-40-60) for 4-pipe systems.

The engineering of the unit makes it possible to develop up to 5 kW in the cooling mode in a standard 600x600 mm modular suspended ceiling and over 10 kW in the 860x860 mm modularity, with exceptionally low noise levels in the phases for maintaining interior comfort.

The well-known advantages of BLDC motors are combined with GreenTech technology (in models 10, 20, and 30), which integrates the inverter directly into the fan drive assembly.

ACQVARIA leverages the entire Galletti, MYCOMFORT, EVO, and TED10 microprocessor controller platform that incorporate sophisticated adjustment logics based on air temperature, air humidity, and water temperature.

These benefits translate into greater accuracy in achieving and maintaining the desired comfort conditions through appropriate modulation of the fan speed as well as the reduction of noise emissions, which adapt to the actual thermal load.

Lastly, electricity consumption is reduced by up to 75% in comparison to conventional fixed-speed AC motors.

The suspended ceiling unit houses all the components, heat exchange coil, fan drive assembly, and condensate collection and drainage system. Its structure is designed for introducing fresh air into the space, mixing it with recovered air, and distributing the treated air from the cassette unit to adjacent rooms.

The design and colour, RAL9003 or RAL9010, of the air intake and diffusion louvre guarantee optimal integration into the suspended ceiling panels. Easy access to the air filter for cleaning operations.

The unit can be supplied complete with valves, including pressure-independent balancing and control valves, the use of which significantly reduces commissioning time.



AVAILABLE VERSIONS

AQB0

Unit with one coil for 2-pipe systems

