



# FC RANGE

## Free Air Cooling Systems



FC100

### FC100 MODEL

The DAQS FC100 model is a packaged air handling unit designed to provide free air cooling to remote plant, control or switch rooms.

The DAQS FC100 can be used as a stand-alone cooling system or can be integrated with existing cooling plant/equipment to facilitate both mechanical cooling and freecooling options. The unit is intended for use with ducted systems.

### APPLICATIONS

- Remote Plant Rooms
- Control Rooms
- Switch Rooms
- Industrial Process Rooms

### FEATURES:

- Exceptionally efficient EC Fan, fully modulating 0-100%
- EU4 Panel Filter in a rigid frame
- Hot water heating coil
- Fully integrated electrical panel with external disconnect
- Weatherproof enclosure, fully insulated panels, Class 0

### OPTIONS:

- EC fan - 48VDC or 230VAC power supply
- Up to EU7 filtration
- Temperature control module
- Fire damper
- Filter clog switch

### EC Fans: *absorbs 35% less than traditional fan/drive systems*

All DAQS products are supplied with highly energy-efficient EC fan motors.

EC Fans (Electronically Commutated DC motors) have very high motor efficiencies, up to 45% higher than a comparable 3-phase AC motor, up to 65% higher than a 1-phase AC motor and up to 35% higher than an AC motor/VSD combination.

EC fans allow unique precision control of the air delivery from the DAQS unit in constant air volume constant static pressure applications

### CONTACT OUR SALES TEAMS:

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### TECHNICAL DATA

FC100	AC	DC	
<b>Dimensions</b>	650 H x 650 W x 650 D		
<b>Airflow m<sup>3</sup>/h / m<sup>3</sup>/s</b>	3700 / 1.03	3000 / 0.83	@ 0Pa ESP
<b>Max. FreeCooling capacity kW</b>	12.5	10.1	@ 10°C Δ T
<b>Fan Volts/Amps</b>	230 VAC / 2.2 A	48 VDC / 4.2 A	
<b>Fan Watts</b>	355	200	
<b>Fan RPM</b>	1365	1290	
<b>HW Heating kW</b>	27	24	



**DAQS**

**DAQS Europe**