



Other products from Advanced Air

Air Distribution Equipment

- Grilles and diffusers including louvre face diffusers
- Linear slot diffusers
- Linear bar grilles
- Eggcrate grilles and door transfer grilles
- A variety of finishes, powder coated to RAL9010 as standard, with other colours available
- Floor swirl diffusers which supply a low velocity, helical discharge air pattern
- "Twister" ceiling swirl diffuser
- External weather louvers suitable for most wall configurations

VAV Terminal Units

- Single duct and dual duct units for different types of variable air volume systems
- Fan Powered VAV units that use advanced Brushless DC motors to give lower energy consumption and simpler commissioning

Air Control Products

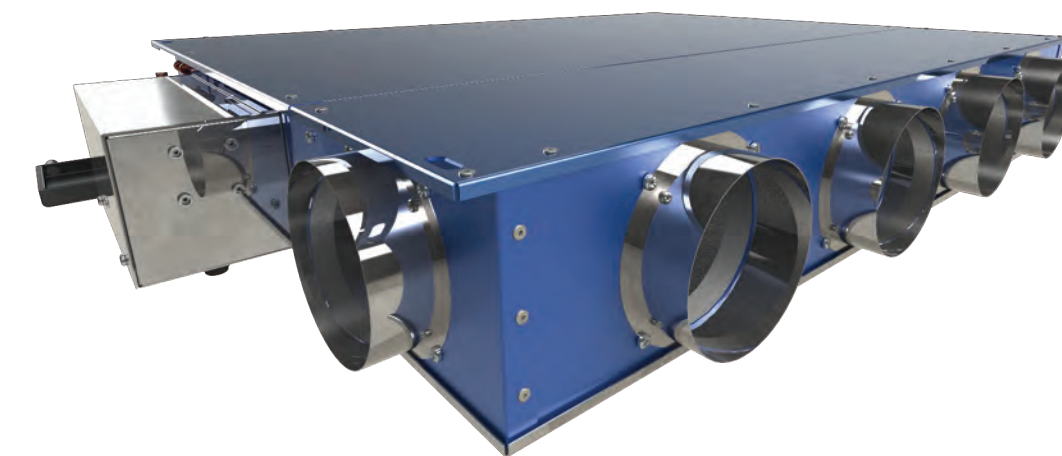
- Low leakage fire smoke dampers, tested to EN 1366-2
- Smoke and high temperature smoke dampers, which can be used up to 300°C for 120 minutes
- Curtain fire dampers provide a wide range of models suitable for most applications
- Control dampers from value solutions to a low leakage, low pressure drop, airfoil blade type

Control Panels

- Fire smoke damper control panels are available to provide solutions to suit all requirements
- Bespoke units, which can be manufactured to suit specific customer requirements

Service & Maintenance

- Dedicated service team for service & support
- Maintenance contracts for Advanced Air products



System Design



R & D Facilities

Advanced Air offers a complete engineered system design solution from its wide range of products and expertise.

Fan coil systems which include fan coil, controls, air distribution equipment can be provided from a single source.



Advanced Air UK factory and technical centre of just over 60,000 sq ft

The investment in R & D means there is a continuous flow of new products and upgrades to existing units. Specialist customer testing and mock ups undertaken in BSRIA approved laboratories.

For more information on these products, please contact Advanced Air Sales



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EC Fan Coil Units

Slimline down to as little as 165mm

ECO – conventional and slimline fan coils down to **165mm** high

EPIC – the most energy efficient fan coil unit utilising an ECM motor



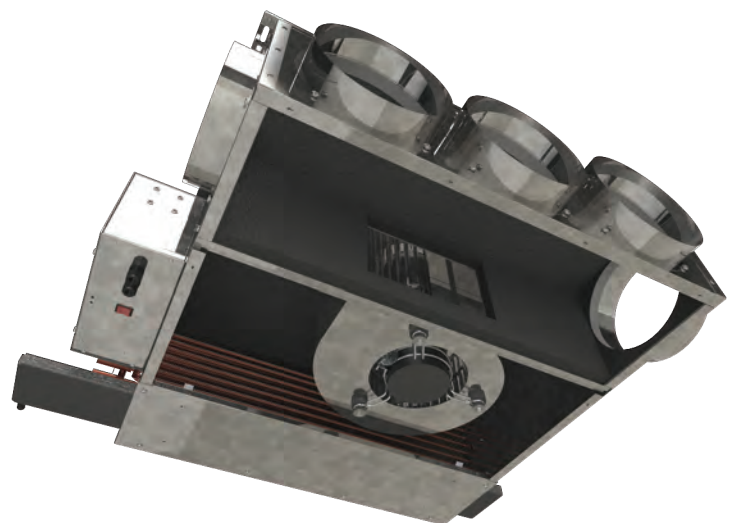
Committed to reducing
YOUR carbon footprint

CGI's for illustrative purposes only, not representative of finished product

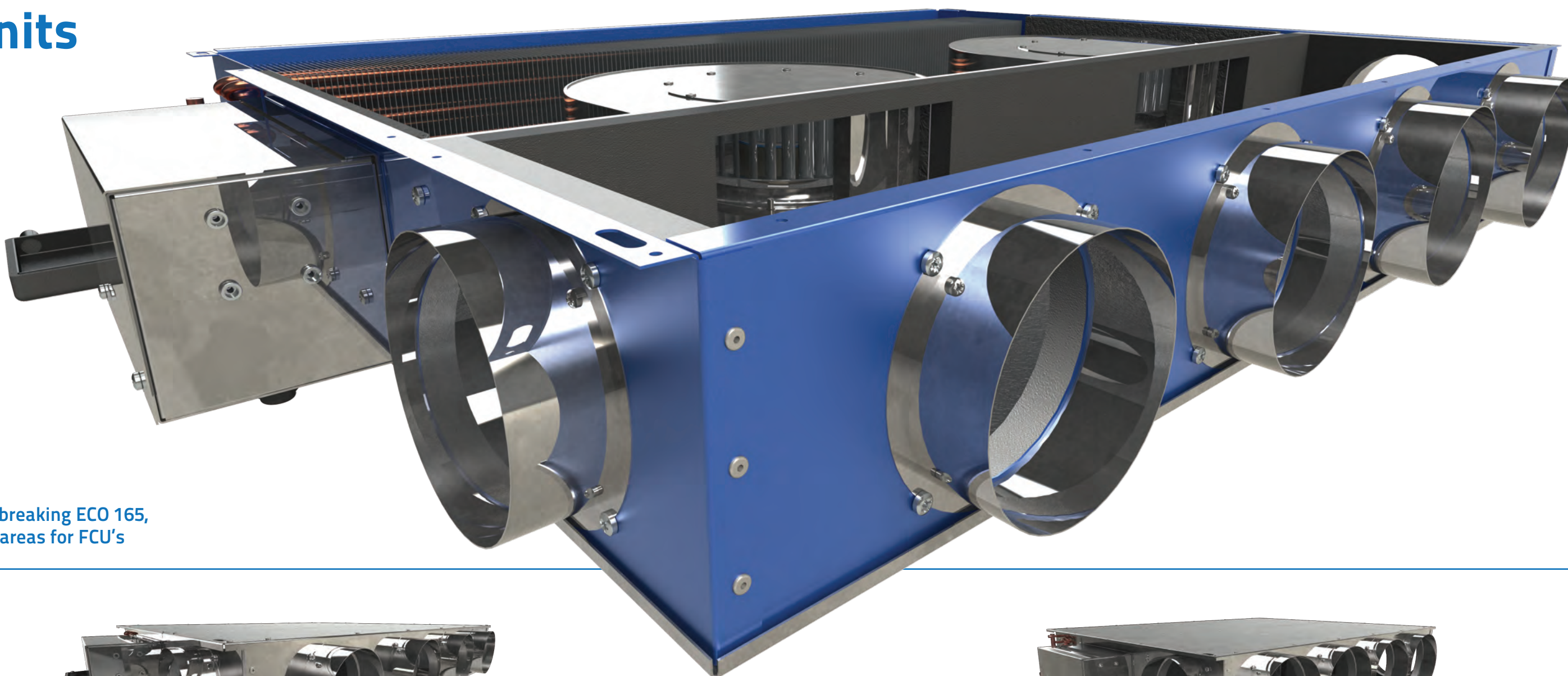
Actual height ECO 165



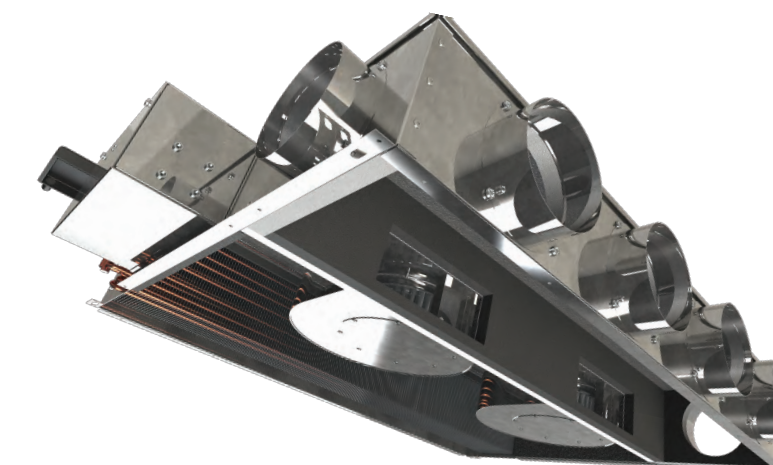
ECO & EPIC Fan Coil Units



The EPIC 280



The groundbreaking ECO 165, opens new areas for FCU's



The ECO 165

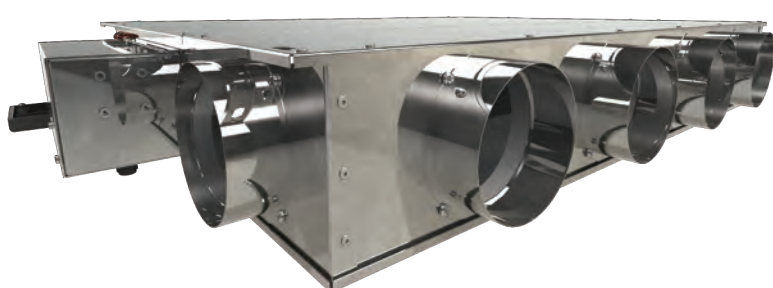
Low prices and other features

There are many features to this new range of fan coil units including:-

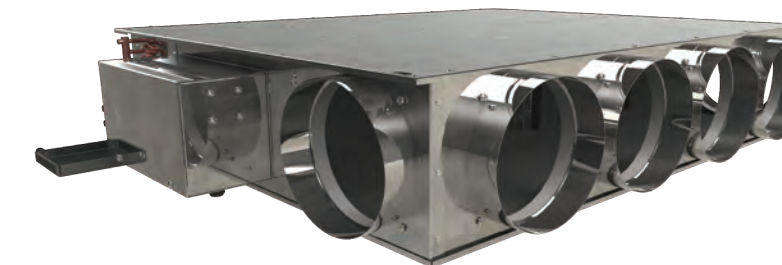
- Low prices fewer fans are used
- The most energy efficient fan coil unit
- Pressure independent means self balancing and no commissioning of fan coil required
- Low noise levels with slower speed fans
- Guaranteed performance
- Variable air volume easily achieved
- Leading current motors improve buildings power factor
- Independently tested

Automatic power factor correction

The ECM fan deck in the EPIC range of fan coils has motors which can be selected to give a leading current characteristic. When this is installed in a building which overall has a lagging current characteristic the ECM cancels part of this out and as such will provide automatic power factor correction to the building reducing electricity costs.



The EPIC 190/255



The ECO 255

New horizontal Fan Deck

The EPIC range of fan coils has a unique horizontally mounted fan deck using ECM Motors from the USA. Specific Fan Powers SFP as low as 0.15 w/l/s can be achieved. Some units have a single fan but even on the largest fan coils only two fans are needed.

If an energy labelling system was used for fan coils it may look like the label opposite.

Energy Efficiency Rating - Fan Coil Unit	
	CAV VAV
High energy efficient - lower carbon emissions	
A	EPIC
B	EPIC
C	ECO
D	AC DECK
E	AC ERM
F	
G	
Low energy efficient - high carbon emissions	

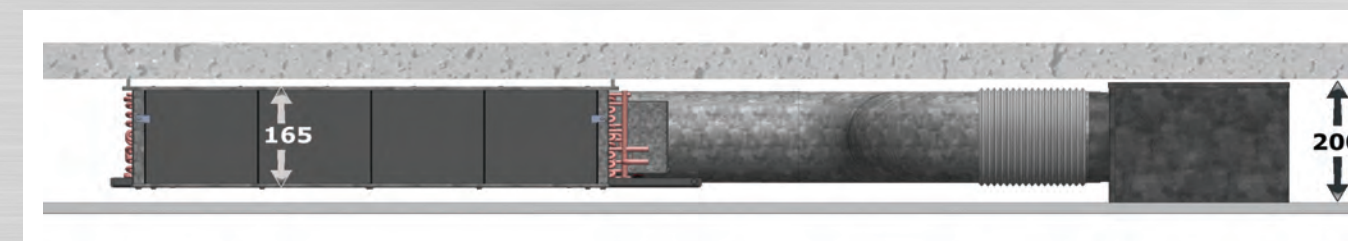
Example of an energy label for FCUs

Slimline models

With a wide range of fan deck options slimline versions are available down to 165mm high

There is a wide choice of fan coil units, the range consisting of the EPIC utilising a horizontal fan deck and ECM technology with the ECO unit using a vertically mounted EC fan deck.

The range comprises: EPIC 280, EPIC 255, EPIC 190, ECO 255, ECO 165



The ECO 165

No commissioning

The ECM motor with the Advanced Air special smart card is pressure independent. This means irrespective of downstream pressure the fan will produce a constant air volume. In addition this air volume can be easily set in the factory or via the BMS by adjusting the voltage to the calibrated value. As such no commissioning at the fan coil is required and a simple air balance at the diffuser is all that is required.



Actual height ECO 165