

Aegean® SFC 235H



A range of fan coil units suitable for all kinds of commercial applications, from restaurants and hotels to office developments, with the ability to rapidly heat and cool large areas with much greater efficiency than other similar heating and cooling systems



Features

- EC motor (BMS compatible for easy integration)
- Low sound levels
- Fully attenuated discharge plenum
- Positive fall drain tray
- Designed and made in the UK
- For bespoke specifications, including electric heating capability please contact us to discuss your requirements

Applications

- Education
- Healthcare
- Leisure and sport
- Office
- Hospitality
- Retail
- Showroom
- Industrial

Finish

Chassis manufactured from 1.2mm hot dipped galvanised steel. All flanges formed inward facing to prevent exposure to bare metal edges.

Installation

Flow and return connections 15mm.
Designed for system pressures up to 10 bar.
Fan coils are 4-pipe coils (heating and cooling circuit).

Customised requirements

All leading manufacturers controls factory fitted.
Acoustically lined inlet plenum.
Concealed/hidden applications (underfloor, behind false walls and ceilings).
Bespoke options.

Specification

To specify state:
Horizontal Fan Coil Unit 235mm high with EC motor.
As Smith's Aegean SFC23510 (or SFC23520, SFC23525, SFC23530, SFC23540, SFC23550, SFC23555, SFC23560).

Aegean[®] SFC 235H



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Performance data

SIZE	Nominal fan speed (%)	ESP Pa	Airflow l/s	SFP W/l/s	Total cooling 5.5/11°C	Sensible cooling 5.5/11°C	Total cooling 6/12°C	Sensible cooling 6/12°C	LPHW heating 82/71°C	LPHW heating 60/50°C
10	50	30	55	0.30	1.22	0.90	1.42	1.15	0.86	0.80
20	50	30	88	0.28	1.93	1.43	2.05	1.72	1.32	1.19
25	50	30	121	0.26	2.77	2.02	2.73	2.53	1.90	1.60
30	50	30	154	0.24	3.04	2.33	3.41	2.54	2.06	2.01
40	50	30	187	0.22	3.95	2.96	4.20	3.50	2.73	2.51
50	50	30	199	0.24	4.61	3.36	4.55	4.20	3.16	2.66
55	50	30	224	0.26	5.64	4.01	5.42	5.23	3.80	3.19
60	50	30	236	0.28	6.03	4.27	5.73	5.60	4.06	3.38

Summer Condition:
23°C EAT, 50% RH
(5.5/11°C, 6/12°C)

Winter Condition:
21°C EAT (82/71°C,
60/50°C)

Performance data verification

Heating and cooling performance has been tested and independently verified by BSRIA to BS EN 1397: 2015. Full set up and details available on request.

Acoustic data has been measured and independently verified by SRL Technical Services to BS EN 16583:2015. Please ask us for our acoustic information pack for more details, including laboratory measured sound power data.

Dimensions

The technical drawing shows the unit's dimensions and airflow characteristics. The top view shows a rectangular unit with a total width of 845mm and a depth of 21mm. The main body width is 790mm. The height of the unit is 52mm. Arrows indicate the airflow direction: supply air from the top and return air from the bottom. The side view shows the unit's height of 235mm and a depth of 118mm. The front view shows the unit's width of 198mm and a height of 118mm. The bottom view shows the unit's width of 198mm and a height of 118mm. The bottom view also shows the location of the heating and cooling coils, the drip tray, and the condensate drain. The bottom view dimensions are 125mm, 10mm, 66mm, 100mm, 155mm, and 185mm.

Model	Size	A	B	Wt (kg)
235	10	570	800	32
235	20	870	1100	43
235	25	870	1100	46
235	30	1170	1400	54
235	40	1470	1700	69
235	50	1770	2000	86
235	55	1770	2000	89
235	60	2070	2300	92

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