

# Aegean® SVFC 500



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

## Application

- 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:  
Vertical Fan Coil Unit 500mm high with EC motor.  
As Smith's Aegean SVFC50010 (or SVFC50020, SVFC50025, SVFC50030, SVFC50040, SVFC50050, SVFC50055, SVFC50060).

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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	105.18	0.17	1.17	1.0	0.97	0.9	1.2	0.6
20	50	30	122.33	0.17	1.78	1.5	1.59	1.4	2.6	1.5
25	50	30	139.49	0.20	2.19	1.8	1.98	1.7	4.1	2.4
30	50	30	156.65	0.25	1.92	1.7	1.78	1.6	4.0	2.4
40	50	30	173.80	0.29	2.24	1.9	2.07	1.8	4.0	2.4
50	50	30	197.26	0.28	2.66	2.3	2.46	2.2	10.5	6.5
55	50	30	244.16	0.26	3.99	3.2	3.12	2.7	9.6	5.8
60	50	30	267.61	0.25	4.76	3.8	4.05	3.4	7.4	4.4

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 three views of the fan coil unit. The front view shows a 44° airflow direction and dimensions 77, 143, 14, 500, 315, and 235. The side view shows dimensions 460, 95, 202, 256, and 18. The top view shows dimensions W, X, Y, and Z. Labels include 'coil', 'electrical cabinet', and 'drip tray'.

Unit size	W	X	Y	Z	Wt(kg)
50010	970	510	512	583	30
50020	1270	810	812	883	36
50025	1270	810	812	883	40
50030	1570	1110	1112	1183	47
50040	1870	1410	1412	1483	58
50050	2170	1710	1712	1783	66
50055	2170	1710	1712	1783	77
50060	2470	2010	2012	2083	80

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