



# ESFC Fan Coil Unit

A fan coil unit is a heat exchange device consisting of heat exchanger coil and forced air fan. Fan coil units circulate hot or cold water through circuits embedded within the coils and moves the room air over, to heat or cool the air in order to condition a space. Hot or cold water provided through a heat pump would circulate in the coil, to remove or add heat to the air through heat transfer. Speed control of the fan motor within a fan coil unit is effectively used to control the heating and cooling output desired from the unit.



Slim Design  
Only 130mm  
Thick



Touch  
Operation  
Panel



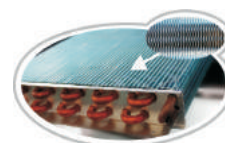
Variable  
Speed DC  
Motor



Easy Access  
to Air Filter



Balanced  
Cross  
Fan Blower



Coil with  
Hydrophilic  
Aluminum Fin

## Technical Characteristics

Model		ESFC150	ESFC350	ESFC450	ESFC550
(a) Total Cooling Capacity	kW	0.75	1.50	2.20	3.10
Sensible Cooling Capacity	kW	0.61	1.25	1.90	2.60
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	7.00	9.00	22.00	28.00
(b) Heating Capacity	kW	0.99	2.00	2.80	4.20
Water Flow Rate	l/h	142	302	453	573
Water Pressure Drops	kPa	6.50	7.00	18.50	24.50
(c) Heating Capacity	kW	1.55	3.10	4.60	6.30
Water Flow Rate	l/h	162	343	471	600
Water Pressure Drops	kPa	7.00	7.50	19.00	25.00
Coil Water Content	l	0.48	0.85	1.15	1.48
Maximum Operating Pressure	bar	10	10	10	10
Water Pipe Connector	inches	G1/2	G1/2	G1/2	G1/2
(d) Maximum Air Flow	m <sup>3</sup> /h	160	320	460	580
(d) Minimum Air Flow	m <sup>3</sup> /h	50	150	200	300
Power Supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Maximum Running Current	A	0.115	0.16	0.21	0.24
Maximum Power Input	W	14	23	27	33
(e) Maximum Noise	dB(A)	44	44	44	44
(e) Minimum Noise	dB(A)	28	28	28	28
Length	mm	694	894	1094	1294
Height (without feet)	mm	580	580	580	580
Depth	mm	129	129	129	129
Net Weight	kg	16	22	28	34
Gross Weight	kg	18	24	30	36

### Note:

(a) Cooling: Water inlet/outlet 7°C/12°C. Room temperature DB/WB 27°C/19°C.  
(b) Heating: Water inlet 50°C, water flow rate as in cooling operation. Room temperature 20°C.

\* Specifications could be subject to change without any prior notice.  
\* ECO//SUN is not responsible for any print errors  
\* This version replaces all previous ones

(c) Heating: Water inlet 70, outlet 60; Room temperature 20°C.

(d) Air flow measured with clean filter.

(e) Sound pressure level tested as per EN12102:2008 and ISO3745:2012, and certified by Intertek.