

Fan Coil Convector FCF-series

New
product
series FCF
Increased
performance
and efficiency



Economical and efficient fan coil designed for an optimal indoor climate

- Easy to set up with user-friendly touch panel
- Works both for cooling and for heating
- High performance even at low water temperatures
- Increases the efficiency of a hydronic heating system



FCF fan coils – economic, comfortable and good for the environment

Developed using the latest technology

A fan coil can be easily described as a high efficiency water heater with built-in fan. The hot/cold water from eg an ES multifunction tank or other heat source heat radiator element and the fan then blows out warm/cold air in the house. The fan coil unit also increases the efficiency of a hydronic heating system.

High capacity

For those who have a house with direct-acting electric radiators and therefore lacks a waterborne distribution system, the fan coil units a very good option when you convert the heating system to water heat together with for example a heat pump. It is generally considerably cheaper and more efficient to install a few pieces of fan coils in the housing instead of installing traditional radiators. The capacity of a fan coil is usually considerably higher than a conventional radiator in relation size.

The placement of a fan coil is important for energy savings. They should be placed in a well-chosen spot in the house which allows the heat to circulate efficiently and to maximize savings. The optimal placement is in ground floor main room, usually living room, open to the hallway, dining area and any staircase to upstairs.

ES Fan Coils are configured to easily replace an existing radiator. The units can be hung directly on the wall or stand on the floor. The pipes to the fan coil can be concealed and connections can be made behind or at the base of the unit, the flexible connecting hose makes it easy to adjust the fan coil low and high heat levels.

User-friendly touch panel

ES FCF convectors have an intuitive remote control where it is easy to change settings such as set temperature and fan speed. FCF series have a very low noise level.

Combining units for maximum effect

FCF series can withstand water temperatures of up to 70 degrees Celsius and a major advantage is that the units deliver extremely good heat even at low water temperatures. In combination with heat pump, this is a major benefit, when lower flow temperatures in the heating system results in higher efficiency of the heat pump.



Model		FCF 1550-3W-V3	FCF 3100-3W-V3	FCF 4600-3W-V3	FCF 6300-3W-V3
Type		Floor	Floor	Floor	Floor
(a) Cooling capacity	kW	0.75	1.50	2.20	3.10
Water flow	l/h	142	302	453	573
Water pressure drop	kPa	7.00	9.00	22.00	28.00
(b) Heating capacity	kW	0.99	2.00	2.80	4.20
Water flow	l/h	142	302	453	573
Water pressure drop	kPa	6.50	7.00	18.50	24.50
(c) Heating capacity	kW	1.55	3.10	4.60	6.30
Water amount	l/h	162	343	471	600
Water pressure drop	kPa	7.00	7.50	19.00	25.00
Water amount	l	0.48	0.85	1.15	1.48
Max working pressure	bar	10	10	10	10
Water connection	tum	G1/2	G1/2	G1/2	G1/2
Highest airflow	m ³ /h	160	320	460	580
Lowest airflow	m ³ /h	50	150	200	300
Power supply, grounded	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
Max current	A	0.12	0.16	0.21	0.24
Max power	W	14	23	27	33
(e)Max noise level	dB(A)	39	40	42	42.1
(e)Min noise level	dB(A)	19.8	18.3	19.1	21
Length	mm	694	894	1094	1294
Height w/o feet	mm	580	580	580	580
Depth	mm	129	129	129	129
Net weight	kg	16	22	28	34
Article number		120193	120194	120195	120196

(a) Cooling: Water out 7/12°C; Room temperature DB/WB 27/19°C.

(b) Heating water temp. 50°C; Room temperature 20°C.

(c) Heating 70°C, Room temperature 20°C.

(e) Noise level tested according to EN12102:2008 och ISO3745:2012.

