

FSW and FSWE ducted fan coil units

Ducted air conditioners in the FSW series are suitable for applications in small and medium-sized residential, commercial or industrial environments. The small size of the units and the modular nature of the accessories simplify installation in small areas and provide a wide range of solutions to meet all requirements.

The FSW series consists of 7 sizes that span a range of flow rates from 930 m³/h to 4200 m³/h.

The units begin with basic modules that include water coil and electric fan that can be extracted from below for inspection and also with low consumption EC motorisation (FSWE).

Two versions are available:

- **horizontal**, referred to as FSW / 0
- **vertical**, referred to as FSW / V



FSW ductable fan coil unit



FSW and FSWE ducted fan coil units

- Internally coated Aluzink sheet metal structure;
- Exchanger with 3- or 4-row finned copper coil and stainless steel drip tray;
- FSW: AC centrifugal electric fan with 3 balanced speeds and low noise emission;
- FSWE: Centrifugal electric fan coupled to a low consumption 0-10V EC electric motor;



FSW / FSWE MODEL		100	100 E	170	170 E	200	200 E	220	220 E	250	250 E	350	350 E	450	450 E
Nominal air flow volume	m ³ /h	900		1500		1600		2100		2400		3600		4200	
Useful static pressure ¹	Pa	95	95	100	100	85	80	110	125	105	110	120	90	115	100
FAN															
Power supply	V/Ph/Hz	230/150		230/150		230/150		230/150		230/150		230/150		230/150	
Nominal current cons. ¹	A	0.7	0.5	1.2	1.7	1.2	1.9	1.5	2.6	1.7	3.1	3.3	2.2	4.7	3.3
Maximum current cons.	A	1.1	1.2	1.5	2.0	1.5	2.0	2.0	3.7	2.1	3.7	4.0	2.7	5.1	3.5
Nom. power consumption ²	W	170	153	216	213	225	230	325	330	375	400	640	500	910	760
Maximum power consumption	W	230	154	305	245	295	245	435	465	450	465	770	610	990	800
n° speeds or adjustment type ³		3	0-10V	3	0-10V	3	0-10V	3	0-10V	3	0-10V	3	0-10V	3	0-10V
WATER COIL															
Rows	No.	3		3		4		3		3		3		4	
COOLING ⁵															
Total cooling capacity	W	4600		7450		9070		10500		13100		15700		20700	
Water side pressure drop	kPa	16		19		21		17		21		22		26	
Water flow rate	m ³ /h	0.72		1.20		1.55		1.60		1.90		2.60		3.60	
HEATING ⁶															
Nominal heating	W	9800		15500		19700		21600		25900		35500		46300	
Water side pressure drop	kPa	13		19		21		18		22		22		25	
Water flow rate	m ³ /h	0.88		1.40		1.76		1.90		2.30		3.20		4.20	

(1) Referred to nominal flow rate at maximum speed

(2) Selectable with SV or PCU commands

(3) Electronically adjustable with PC10R command

(4) Sound pressure level: values referred to 1.5 m from the machine intake in free field at nominal flow rate. The operating noise level generally deviates from the indicated values depending on the operating conditions, reflected noise and peripheral noise.

(5) Inlet air temperature 27°C DB, 19° WB. Inlet/outlet water temperature 7/12°C. Values referred to nominal air flow rate.

(6) Inlet air temperature 20°C DB. Inlet/outlet water temperature 70/60°C. Values based on nominal air flow rate.

FSW MODEL	100	170	200	220	250	350	450
CODE HORIZONTAL V.	0003321	0003322	0003323	0003324	0003325	0003326	0003327
CODE VERTICAL V.	0003331	0003332	0003333	0003334	0003335	0003336	0003337

FSWE MODEL	100	170	200	220	250	350	450
CODE HORIZONTAL V.	0003321E	0003322E	0003323E	0003324E	0003325E	0003326E	0003327E
CODE VERTICAL V.	0003331E	0003332E	0003333E	0003334E	0003335E	0003336E	0003337E

FSW and FSWE - Accessories

MODEL	Abb.
Water coil	BWS
Delivery nozzles	BMS
Dual electric elements	RE2S
Duct connection flange	FCS
Return grille	GRAS
Intake plenum	PLAS
Flexible duct plenum	PCFS
Delivery Plenum	PMS
Electrical element	RES
Filter section	FAS
Mixer section	MIS
Speed selector	SV
AC unit control panel with bypass	PCU