



Concealed flexi type unit

FWS-AT/AF

BLDC fan motor unit for horizontal or vertical concealed mounting.
Continuous air flow regulation and fan speed modulation.

- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- › Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- › Instant adjustment to temperature and relative humidity changes
- › Low operating sound level
- › Highly flexible solutions: multiple sizes, piping topologies and connection valves

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FWS-AT/AF				02	03	06	02	03	06	
				2-pipe			4-pipe			
Cooling capacity (standard conditions)	Latent capacity	High	kW	0.54(1)	0.82(1)	0.98(1)	0.33(1)	0.80(1)	1.19(1)	
		Low	kW	1.04(1)	1.25(1)	2.31(1)	0.97(1)	1.23(1)	2.27(1)	
	Sensible capacity	Medium	kW	1.30(1)	1.69(1)	2.90(1)	1.21(1)	1.65(1)	2.85(1)	
		High	kW	1.49(1)	2.09(1)	3.62(1)	1.44(1)	2.06(1)	3.54(1)	
Total capacity	Low	kW	1.35(1)	1.75(1)	2.99(1)	1.25(1)	1.72(1)	3.10(1)		
	Medium	kW	1.69(1)	2.37(1)	3.64(1)	1.55(1)	2.32(1)	3.79(1)		
	High	kW	1.94(1)	2.91(1)	4.48(1)	1.77(1)	2.86(1)	4.64(1)		
Heating capacity (standard conditions)	Capacity	Low	kW	1.50(2)	1.76(2)	3.36(2)	1.36(3)	1.88(3)	3.55(3)	
		Medium	kW	1.81(2)	2.37(2)	4.11(2)	1.56(3)	2.31(3)	4.07(3)	
		High	kW	2.15(2)	2.94(2)	4.88(2)	1.76(3)	2.68(3)	4.64(3)	
Power input	Low	kW	0.01							
	Medium	kW	0.01		0.02		0.01		0.02	
	High	kW	0.019	0.016	0.033	0.019	0.016	0.033		
FCEER				B	A		B	A		
FCCOP				B	A		B	A		
Dimensions	Unit	Height x Width x Depth	mm	535 x 584 x 224	535 x 794 x 224	535 x 1,000 x 224	535 x 584 x 224	535 x 794 x 224	535 x 1,000 x 224	
Weight	Unit			kg	16.9	22.1	26.6	16.9	22.1	26.6
Heat exchanger	Water volume			l	1					
Additional heat exchanger	Water volume			l	0			-		
Water flow	Cooling	Low	l/h	216	297	535	234	302	515	
		Medium	l/h	267	400	654	292	408	628	
		High	l/h	307	493	802	337	503	774	
	Heating	Low	l/h	119	165	311	260	301	575	
		Medium	l/h	136	202	357	315	408	709	
		High	l/h	154	234	406	373	506	866	
Fan	Type			Centrifugal						
	Quantity			1	2		1	2		
	Air flow rate	Low	m ³ /h	205	237	460	211	241	470	
		Medium	m ³ /h	261	332	593	271	341	605	
High		m ³ /h	327	431	763	344	442	785		
Air filter	Type			Polypropylene net						
	Total sound power level	Low	dB(A)	38 (4)	33 (4)	48 (4)	40 (4)	36 (4)	43 (4)	
		Medium	dB(A)	44 (4)	41 (4)	53 (4)	44 (4)	42 (4)	49 (4)	
High		dB(A)	50 (4)	47 (4)	58 (4)	50 (4)	48 (4)	56 (4)		
Sound pressure level	Low	dB(A)	33 (5)	28 (5)	43 (5)	35 (5)	31 (5)	38 (5)		
	Medium	dB(A)	39 (5)	36 (5)	48 (5)	39 (5)	37 (5)	44 (5)		
	High	dB(A)	45 (5)	42 (5)	54 (5)	45 (5)	43 (5)	51 (5)		
Electric heater	Power input			kW	1.5	1.6	2.0	1.5	1.6	2.0
Piping connections	Drain	OD			mm	16				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230					

(1) Cooling: indoor temp. 27°CDB, 19°CWB; entering water temp. 7°C, water temperature rise 5K.
 (2) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K.
 (3) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 65°C, water temperature drop 10K.
 (4) Sound power level according to ISO3741
 (5) The sound pressure level is measured via a microphone at 1m distance of the unit.

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