

Flexi type unit

FWR-AT/AF



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

- › 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
- › Requires very little installation space

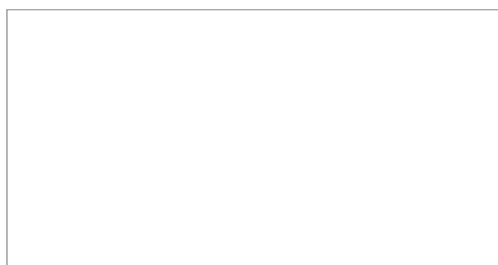
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FWR-AT/AF				02	03	06	02	03	06	
				2-pipe			4-pipe			
Cooling capacity (standard conditions)	Latent capacity 2-pipe	High	kW	0.54 (1)	0.82 (1)	0.98 (1)	0.33 (1)	0.80 (1)	1.19 (1)	
		Sensible capacity 2-pipe	Low	kW	1.04 (1)	1.25 (1)	2.31 (1)	0.97 (1)	1.23 (1)	2.27 (1)
	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 2-pipe	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 2-pipe	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		0.01	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	A	B	A		
FCCOP				B	A	A	B	A		
Dimensions	Unit	Height x Width x Depth	mm	564 x 774 x 246	564 x 984 x 246	564 x 1,190 x 246	564 x 774 x 246	564 x 984 x 246	564 x 1,190 x 246	
Weight	Unit				21.2	27.5	33.6	21.2	27.5	33.6
Casing	Colour				White - RAL9010					
Heat exchanger	Water volume				1					
Water flow	Cooling	Low	l/h	234 (1)	302 (1)	515 (1)	216 (1)	297 (1)	535 (1)	
		Medium	l/h	292 (1)	408 (1)	628 (1)	267 (1)	400 (1)	654 (1)	
		High	l/h	337 (1)	503 (1)	774 (1)	307 (1)	493 (1)	802 (1)	
	Heating	Low	l/h	260 (2)	301 (2)	575 (2)	119 (3)	165 (3)	311 (3)	
		Medium	l/h	315 (2)	408 (2)	709 (2)	136 (3)	202 (3)	357 (3)	
		High	l/h	373 (2)	506 (2)	866 (2)	154 (3)	234 (3)	406 (3)	
Fan	Type				Centrifugal					
	Quantity				1	2	1	2	1	2
	Air flow rate	Low	m ³ /h	211	241	470	205	237	460	
		Medium	m ³ /h	271	341	605	261	332	593	
High		m ³ /h	344	442	785	327	431	763		
Air filter	Type				Polypropylene net					
Total sound power level	Low	dBA	40 (4)	36 (4)	43 (4)	38 (4)	33 (4)	48 (4)		
	Medium	dBA	44 (4)	42 (4)	49 (4)	44 (4)	41 (4)	53 (4)		
	High	dBA	50 (4)	48 (4)	56 (4)	50 (4)	47 (4)	58 (4)		
Sound pressure level	Low	dBA	35 (5)	31 (5)	38 (5)	33 (5)	28 (5)	43 (5)		
	Medium	dBA	39 (5)	37 (5)	44 (5)	39 (5)	36 (5)	48 (5)		
	High	dBA	45 (5)	43 (5)	51 (5)	45 (5)	42 (5)	54 (5)		
Electric heater	Power input	kW	1.5	1.6	-	1.5	1.6	2.0		
Piping connections	Drain	OD				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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