

Floor standing unit

FWV-DAT/DAF



AC fan motor unit for vertical mounting

- › Pre-assembled 3-way/4-port on/off valves are available
- › Valve packages are insulated, no extra drain pan required
- › Valve packages contain balancing valves and sensor pocket
- › Fast-on connections for electrical options: no tools needed
- › Electric heater: no relay up to 2kW capacity
- › Electric heater: equipped with two overheat cut-out thermostats
- › High efficiency heat exchanger
- › Washable air filter, easily removable for maintenance

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FWV-DAT/DAF			01	15	02	25	03	35	04	06	08	10	01	15	25	02	35	03	04	06	08	10		
			2-pipe										4-pipe											
Cooling capacity (standard conditions)	Latent capacity	High	kW	0.34(1)	0.44(1)	0.54(1)	0.82(1)	0.76(1)	1.18(1)	0.98(1)	1.80(1)	2.06(1)	0.32(1)	0.42(1)	0.53(1)	0.33(1)	0.75(1)	0.80(1)	1.17(1)	1.19(1)	1.79(1)	2.03(1)		
		Sensible capacity	Low	kW	0.77(1)	0.93(1)	0.98(1)	1.15(1)	1.23(1)	1.41(1)	1.76(1)	2.27(1)	2.75(1)	2.94(1)	0.73(1)	0.91(1)	1.14(1)	0.96(1)	1.40(1)	1.21(1)	1.74(1)	2.23(1)	2.73(1)	2.91(1)
			Medium	kW	0.94(1)	1.10(1)	1.20(1)	1.53(1)	1.66(1)	1.99(1)	2.39(1)	2.85(1)	3.70(1)	4.46(1)	0.87(1)	1.07(1)	1.50(1)	1.18(1)	1.96(1)	1.62(1)	2.36(1)	2.80(1)	3.67(1)	4.40(1)
	Total capacity	High	kW	1.16(1)	1.25(1)	1.37(1)	1.82(1)	2.05(1)	2.69(1)	3.05(1)	3.55(1)	4.73(1)	5.72(1)	1.10(1)	1.22(1)	1.79(1)	1.41(1)	2.61(1)	2.01(1)	2.99(1)	3.47(1)	4.67(1)	5.61(1)	
		Low	kW	1.02(1)	1.24(1)	1.34(1)	1.57(1)	1.73(1)	1.94(1)	2.47(1)	2.95(1)	3.88(1)	4.00(1)	0.97(1)	1.22(1)	1.55(1)	1.24(1)	1.92(1)	1.70(1)	2.44(1)	3.06(1)	3.84(1)	3.96(1)	
		Medium	kW	1.21(1)	1.48(1)	1.66(1)	1.99(1)	2.34(1)	2.58(1)	3.21(1)	3.59(1)	5.14(1)	6.07(1)	1.11(1)	1.44(1)	1.96(1)	1.52(1)	2.54(1)	2.29(1)	3.17(1)	3.74(1)	5.10(1)	5.99(1)	
Heating capacity (standard conditions)	Capacity	Low	kW	1.21(3)	1.45(3)	1.50(3)	1.74(3)	1.76(3)	2.39(3)	2.47(3)	3.31(3)	3.97(3)	4.39(3)	1.31(2)	1.36(2)	1.78(2)	1.36(2)	2.82(2)	1.88(2)	2.73(2)	3.55(2)	5.02(2)	4.85(2)	
		Medium	kW	1.48(3)	1.72(3)	1.81(3)	2.26(3)	2.37(3)	3.13(3)	3.24(3)	4.08(3)	5.17(3)	6.53(3)	1.49(2)	1.56(2)	2.18(2)	1.56(2)	3.47(2)	2.31(2)	3.22(2)	4.07(2)	6.02(2)	6.29(2)	
		High	kW	1.82(3)	1.84(3)	2.15(3)	2.70(3)	2.94(3)	4.05(3)	4.24(3)	4.98(3)	6.49(3)	8.37(3)	1.66(2)	1.76(2)	2.53(2)	1.76(2)	4.20(2)	2.68(2)	3.82(2)	4.64(2)	6.97(2)	7.35(2)	
Power input	Low	kW	0.02	0.03	0.02	0.03	0.04	0.05	0.09	0.11	0.02	0.03	0.03	0.03	0.04	0.05	0.04	0.06	0.07	0.13	0.17			
	Medium	kW	0.03		0.04		0.05	0.06	0.07	0.13	0.17	0.03		0.04		0.05	0.04	0.06	0.07	0.13	0.17			
	High	kW	0.037	0.053	0.057	0.056	0.065	0.098	0.182	0.244	0.037	0.053	0.057	0.053	0.065	0.056	0.065	0.098	0.182	0.244				
FCEER	E																							
FCCOP	E																							
Dimensions	Unit	Height x Width x Depth	mm	E						D						E								
				564 x 774 x 226						564 x 984 x 226						564 x 1,190 x 251								
Weight	Unit	kg	19.7						20.6						25.5									
			19.7						20.6						25.5									
Casing	Colour	White - RAL9010																						
		White - RAL9010																						
Heat exchanger	Water volume	l																						
		0																						
Water flow	Cooling	Low	I/h	179(1)	216(1)	234(1)	275(1)	302(1)	340(1)	431(1)	515(1)	682(1)	706(1)	169(1)	212(1)	272(1)	216(1)	336(1)	297(1)	425(1)	535(1)	676(1)	699(1)	
		Medium	I/h	213(1)	261(1)	292(1)	348(1)	408(1)	451(1)	561(1)	628(1)	905(1)	1,071(1)	196(1)	254(1)	343(1)	267(1)	447(1)	400(1)	554(1)	654(1)	898(1)	1,058(1)	
		High	I/h	264(1)	299(1)	337(1)	415(1)	503(1)	602(1)	743(1)	774(1)	1,152(1)	1,376(1)	250(1)	291(1)	409(1)	307(1)	594(1)	493(1)	730(1)	802(1)	1,138(1)	1,352(1)	
	Heating	Low	I/h	211(3)	252(3)	260(3)	302(3)	301(3)	415(3)	430(3)	575(3)	690(3)	764(3)	115(2)	120(2)	156(2)	119(2)	247(2)	165(2)	238(2)	311(2)	440(2)	425(2)	
		Medium	I/h	256(3)	300(3)	315(3)	393(3)	408(3)	545(3)	563(3)	709(3)	898(3)	1,135(3)	130(2)	137(2)	191(2)	136(2)	304(2)	202(2)	281(2)	357(2)	527(2)	551(2)	
		High	I/h	317(3)	320(3)	373(3)	469(3)	506(3)	704(3)	736(3)	866(3)	1,129(3)	1,455(3)	146(2)	154(2)	222(2)	154(2)	368(2)	234(2)	334(2)	406(2)	610(2)	643(2)	
Fan	Type	Centrifugal																						
		Quantity	1																					
			Air flow rate	Low	m³/h	178	211	241	320	361	470	570	642	174	205	238	205	316	237	356	460	565	636	
Medium	m³/h			233	271	341	450	497	605	771	1,022	225	261	334	261	444	332	490	593	765	1,007			
High	m³/h	319		344	442	640	706	785	1,011	1,393	307	330	432	327	628	431	690	763	998	1,362				
Air filter	Type	Polypropylene net																						
		Total sound power level	Low	dBA	37(4)	38(4)	40(4)	35(4)	36(4)	35(4)	43(4)	47(4)	49(4)	33(4)	40(4)	34(4)	38(4)	36(4)	33(4)	39(4)	48(4)	46(4)	48(4)	
			Medium	dBA	42(4)	44(4)	43(4)	42(4)	43(4)	49(4)	54(4)	60(4)	39(4)	44(4)	43(4)	44(4)	45(4)	41(4)	46(4)	53(4)	54(4)	58(4)		
High	dBA		47(4)	49(4)	50(4)	48(4)	52(4)	53(4)	56(4)	61(4)	67(4)	45(4)	49(4)	48(4)	50(4)	53(4)	47(4)	56(4)	58(4)	60(4)	66(4)			
Sound pressure level	Low	dBA	32(5)	33(5)	35(5)	30(5)	31(5)	30(5)	38(5)	42(5)	44(5)	28(5)	33(5)	29(5)	33(5)	29(5)	38(5)	32(5)	43(5)	41(5)	43(5)			
	Medium	dBA	37(5)	39(5)	38(5)	37(5)	38(5)	44(5)	49(5)	55(5)	34(5)	39(5)	38(5)	39(5)	38(5)	36(5)	41(5)	48(5)	49(5)	53(5)				
	High	dBA	42(5)	44(5)	45(5)	43(5)	47(5)	48(5)	51(5)	56(5)	62(5)	40(5)	44(5)	43(5)	45(5)	46(5)	42(5)	51(5)	54(5)	55(5)	61(5)			
Electric heater	Power input	kW	1.0	1.5	1.6	2.0	3.0	1.0	1.5	1.6	1.5	2.0	1.6	2.0	1.6	2.0	3.0							
Piping connections	Drain	OD	mm																					
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230																					
Current input	Low	A	0.09	0.11	0.14	0.19	0.39	0.54	0.09	0.11	0.14	0.11	0.19	0.14	0.19	0.14	0.19	0.39	0.54					
	Medium	A	0.11	0.14	0.20	0.29	0.28	0.57	0.78	0.11	0.14	0.20	0.14	0.29	0.20	0.29	0.28	0.57	0.78					
	High	A	0.16	0.20	0.27	0.40	0.39	0.80	1.07	0.16	0.20	0.27	0.20	0.40	0.27	0.40	0.39	0.80	1.07					

- (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. 65°C, water temperature drop 10K.
- (3) Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K.
- (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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