

Flexi type unit

FWL-DAT/DAF



AC fan motor unit for horizontal or 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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FWL-DAT/DAF				01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	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)	0.33(1)	0.53(1)	0.80(1)	0.75(1)	1.17(1)	1.19(1)	1.79(1)	2.03(1)		
		Sensible	kW	0.77(1)	0.93(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)	0.96(1)	1.14(1)	1.21(1)	1.40(1)	1.74(1)	2.23(1)	2.73(1)	2.91(1)		
		capacity	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)	1.18(1)	1.50(1)	1.62(1)	1.96(1)	2.36(1)	2.80(1)	3.67(1)	4.40(1)	
	Total capacity	Low	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)	1.41(1)	1.79(1)	2.01(1)	2.61(1)	2.99(1)	3.47(1)	4.67(1)	5.61(1)	
		Medium	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)	1.24(1)	1.55(1)	1.70(1)	1.92(1)	2.44(1)	3.06(1)	3.84(1)	3.96(1)	
High		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)	1.52(1)	1.96(1)	2.29(1)	2.54(1)	3.17(1)	3.74(1)	5.10(1)	5.99(1)		
Heating capacity (standard conditions)	Capacity	Low	kW	1.50(1)	1.69(1)	1.91(1)	2.36(1)	2.87(1)	3.45(1)	4.23(1)	4.41(1)	6.53(1)	7.78(1)	1.42(1)	1.64(1)	1.74(1)	2.32(1)	2.81(1)	3.36(1)	4.16(1)	4.57(1)	6.46(1)	7.64(1)	
		Medium	kW	1.21(2)	1.45(2)	1.50(2)	1.74(2)	1.76(2)	2.39(2)	2.47(2)	3.31(2)	3.97(2)	4.39(2)	1.31(3)	1.36(3)	1.78(3)	1.88(3)	2.82(3)	2.73(3)	3.55(3)	5.02(3)	4.85(3)		
		High	kW	1.48(2)	1.72(2)	1.81(2)	2.26(2)	2.37(2)	3.13(2)	3.24(2)	4.08(2)	5.17(2)	6.53(2)	1.49(3)	1.56(3)	2.18(3)	2.31(3)	3.47(3)	3.22(3)	4.07(3)	6.02(3)	6.29(3)		
Power input	Low	kW	0.02	0.03	0.02	0.03	0.04	0.05	0.09	0.11	0.02	0.03	0.02	0.03	0.02	0.03	0.04	0.05	0.09	0.11				
	Medium	kW	0.03		0.04		0.05	0.06	0.07	0.13	0.17	0.03		0.04		0.05	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	0.056	0.065	0.098	0.182	0.244						
FCEER	E				D	E	D	E				D	E	D	E									
FCCOP	E				D				E				D				E							
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 1,400 x 271								
Weight	Unit	kg	20.6	21.2	26.5	27.5	32.5	33.5	33.6	43.1	20.6	21.2	26.5	27.5	32.5	33.5	33.6	43.1						
Casing	Colour	White - RAL9010																						
Heat exchanger	Water volume	l	0	1				2				0	1				2							
Additional heat exchanger	Water volume	l	0				1				-				2									
Water flow	Cooling	Low	l/h	169	212	216	272	297	336	425	535	676	699	179	216	234	275	302	340	431	515	682	706	
		Medium	l/h	196	254	267	343	400	447	554	654	898	1,058	213	261	292	348	408	451	561	628	905	1,071	
		High	l/h	250	291	307	409	493	594	730	802	1,138	1,352	264	299	337	415	503	602	743	774	1,152	1,376	
	Heating	Low	l/h	115	120	119	156	165	247	238	311	440	425	211	252	260	302	301	415	430	575	690	764	
		Medium	l/h	130	137	136	191	202	304	281	357	527	551	256	300	315	393	408	545	563	709	898	1,135	
High		l/h	146	154	222	234	368	334	406	610	643	317	320	373	469	506	704	736	866	1,129	1,455			
Fan	Type	Centrifugal																						
	Quantity	1				2				1				2										
	Air flow rate	Low	m³/h	174	205	238	237	316	356	460	565	636	178	211	241	320	361	470	570	642				
		Medium	m³/h	225	261	334	332	444	490	593	765	1,007	233	271	341	450	497	605	771	1,022				
High		m³/h	307	330	327	432	431	628	690	763	998	1,362	319	344	442	640	706	785	1,011	1,393				
Air filter	Type	Polypropylene net																						
Total sound power level	Low	dBA	33(4)	40(4)	38(4)	34(4)	33(4)	36(4)	39(4)	48(4)	46(4)	48(4)	37(4)	38(4)	40(4)	35(4)	36(4)	35(4)	43(4)	47(4)	49(4)			
	Medium	dBA	39(4)	44(4)	43(4)	41(4)	45(4)	46(4)	53(4)	54(4)	58(4)	42(4)	44(4)	43(4)	42(4)	43(4)	49(4)	54(4)	60(4)					
	High	dBA	45(4)	49(4)	50(4)	48(4)	47(4)	53(4)	56(4)	58(4)	60(4)	66(4)	47(4)	49(4)	50(4)	48(4)	52(4)	53(4)	56(4)	61(4)	67(4)			
Sound pressure level	Low	dBA	28(5)	33(5)	29(5)	28(5)	29(5)	32(5)	43(5)	41(5)	43(5)	32(5)	33(5)	35(5)	30(5)	31(5)	30(5)	38(5)	42(5)	44(5)				
	Medium	dBA	34(5)	39(5)	38(5)	36(5)	38(5)	41(5)	48(5)	49(5)	53(5)	37(5)	39(5)	38(5)	37(5)	38(5)	44(5)	49(5)	55(5)					
	High	dBA	40(5)	44(5)	45(5)	43(5)	42(5)	46(5)	51(5)	54(5)	55(5)	61(5)	42(5)	44(5)	45(5)	43(5)	47(5)	48(5)	51(5)	56(5)	62(5)			
Electric heater	Power input	kW	1.0	1.5	1.6	2.0	3.0	1.0	1.5	1.6	2.0	3.0												
Piping connections	Drain	OD	mm	16																				
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	0.19	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	0.29	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	0.40	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. 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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