

Fan Coil Units FWB-CT/CF



Concealed ceiling unit with medium ESP

- AC fan motor unit for horizontal concealed mounting
- Compact dimensions, can easily be mounted in a narrow ceiling void
- Heat exchanger up to 4 rows
- Drain pan to collect the condensate from: heat exchanger and regulating valves -reversible water connections
- The air filter can easily be removed for cleaning
- Available static pressure up to 80Pa at maximum speed



Indoor unit			FWB-CT/CF			04			05			06			08			10			11			15			17				
						2-pipe																									
Speed				min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max				
Declared speed				2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7						
Rated air flow (E)			m³/h	109	246	276	171	275	341	195	360	402	305	532	652	333	687	760	333	687	760	1050	1163	1289	1050	1163	1289				
Available static pressure (E)			Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60				
Power input (E)			W	24	57	82	34	69	106	34	85	106	76	148	192	76	167	192	76	167	192	235	280	332	235	280	332				
Maximum current absorption			A	0.40			0.56			0.56			1.10			1.10			1.10			2.10			2.10						
Total cooling capacity (1)(E)			kW	0.92	172	190	127	190	2.27	157	2.69	2.96	1.92	3.17	3.68	2.22	4.22	4.63	2.44	4.79	5.23	6.15	6.66	7.21	6.91	7.49	8.12				
Sensible cooling capacity (1)(E)			kW	0.61	121	134	0.89	134	1.59	1.07	1.86	2.03	1.42	2.39	2.81	1.60	3.09	3.39	1.70	3.33	3.64	4.51	4.88	5.29	4.83	5.23	5.67				
FCEER class (E)				D									E									D									
Water flow (1)			l/h	160	306	340	222	339	408	274	476	527	343	568	664	394	753	828	432	850	930	1095	1191	1295	1225	1333	1448				
Water pressure drop (2)(E)			kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26				
Heating capacity (3)(E)			kW	0.88	181	199	133	198	2.35	1.59	2.80	3.10	2.35	3.71	4.31	2.54	4.76	5.17	2.63	5.03	5.49	6.68	7.22	7.80	7.18	7.80	8.46				
FCCOP class (E)				D									D									D									
Water flow (3)			l/h	153	315	346	231	345	408	276	488	538	408	644	749	442	827	898	457	875	955	1162	1256	1357	1248	1356	1472				
Water pressure drop (3)(E)			kPa	1	4	5	2	5	7	2	6	8	4	9	11	2	7	8	3	9	11	12	14	16	17	20	23				
Standard coil - number of rows				3			3			4			3			3			4			3			4						
Total sound power level (4)			dB(A)	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69				
Inlet + radiated sound power level (4)(E)			dB(A)	26	47	50	37	48	52	37	48	52	37	50	58	36	53	56	36	53	56	59	61	67	59	61	67				
Outlet sound power level (4)(E)			dB(A)	25	46	49	36	47	51	36	47	51	35	47	56	35	52	55	35	52	55	58	60	66	58	60	66				
Water content - standard coil			dm³	120			120			160			160			2.50			3.30			2.50			3.30						
Power supply cable type				N07V-K									N07V-K									N07V-K									
Cross-section area of power cables (5)			mm²	100			100			100			150			150			150			150			150						
Safety fuse F			A	1			1			1			2			2			2			2			2						
Fuses type				gG									gG									gG									
Power supply			Phase/Frequency	Hz	1~/50									1~/50									1~/50								
Control systems			Wired remote control	FWEC3A/FWEDA/SHINKA/FWEC2T/4T									FWEC3A/FWEDA/SHINKA/FWEC2T/4T									FWEC3A/FWEDA/SHINKA/FWEC2T/4T									

		4-pipe																							
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed		2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7		
Rated air flow (E)	m³/h	109	243	270	170	272	336	195	357	398	302	524	642	333	683	755	333	683	755	1050	1163	1289	1050	1163	1289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	24	57	82	34	69	106	34	85	106	76	148	192	76	167	192	76	167	192	235	280	332	235	280	332
Maximum current absorption	A	0.40			0.56			0.56			1.10			1.10			1.10			2.10			2.10		
Total cooling capacity (1)(E)	kW	0.92	1.70	186	1.26	188	2.24	1.57	2.67	2.93	189	3.13	3.64	2.22	4.20	4.60	2.44	4.76	5.20	6.15	6.66	7.21	6.91	7.49	8.12
Sensible cooling capacity (1)(E)	kW	0.61	1.20	1.31	0.88	1.33	1.57	1.07	1.84	2.01	1.41	2.35	2.78	1.60	3.07	3.36	1.70	3.31	3.62	4.51	4.88	5.29	4.83	5.23	5.67
FCEER class (E)		D									E									D					
Water flow (1)	l/h	160	302	333	221	335	404	274	473	522	339	562	656	394	749	822	432	846	925	1095	1191	1295	1225	1333	1448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26
Heating capacity (3)(E)	kW	1.14	193	2.06	1.55	2.07	2.32	2.09	3.09	3.29	2.80	3.82	4.24	3.40	5.17	5.45	3.40	5.17	5.45	6.42	6.73	7.06	6.42	6.73	7.06
FCCOP class (E)		C			D			C			D			D											
Water flow (3)	l/h	100	169	180	136	181	204	188	271	288	245	334	371	297	452	477	297	452	477	562	590	618	562	590	618
Water pressure drop (3)(E)	kPa	1	2	3	2	3	3	2	3	4	3	5	6	6	13	14	6	13	14	19	21	22	19	21	22
Total sound power level		28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Additional coil - number of rows (4)	dB(A)	1																							
Inlet + radiated sound power level (4)(E)	dB(A)	26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	37	48	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm³	0.47									0.59									0.97					