

Technical specifications

Ceiling Concealed Unit FWW-VC Standard Unit/2 pipe/3 rows

	MODEL	FWW200VC	FWW300VC	FWW400VC	FWW500VC	FWW600VC	FWW700VC	FWW800VC	FWW1000VC	FWW1200VC	FWW1400VC		
Performance													
Air flow	High	m3/h	340	510	680	850	1020	1170	1360	1700	2040	2380	
		CFM	200	300	400	500	600	688	800	1000	1200	1400	
	Medium	m3/h	279	418	558	697	836	959	1115	1394	1673	1952	
		CFM	164	246	328	410	492	564	656	820	984	1148	
	Low	m3/h	170	255	340	425	510	585	680	850	1020	1190	
		CFM	100	150	200	250	300	344	400	500	600	700	
External static pressure		Pa	12,30,50										
		in.wg	0.05,0.12,0.20										
Total cooling capacity		W	2220	3300	4260	5050	5820	6600	8200	9300	11190	13000	
		Btu/h	7575	11260	14536	17231	19859	22520	27980	31733	38182	44358	
Sensible cooling capacity		W	1380	2220	2770	3400	4000	4550	5500	6500	7700	9200	
		Btu/h	4709	7575	9452	11601	13649	15525	18767	22179	26273	31392	
Water flow rate		m3/h	0.37	0.58	0.72	0.88	1.02	1.14	1.41	1.67	1.95	2.29	
		USGPM	1.6	2.6	3.2	3.9	4.5	5	6.2	7.4	8.6	10.1	
Water pressure drop		kPa	25	21	30	30	32	35	32	40	35	50	
		in.wg.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	
Rated power input (W)		12Pa	High	32	43	56	73	93	113	133	152	188	228
			Medium	29	37	49	64	81	100	116	147	159	209
			Low	22	28	37	46	66	80	92	118	127	173
		30Pa	High	39	53	72	83	107	122	142	174	217	250
			Medium	36	45	58	73	93	108	132	167	204	226
			Low	27	34	46	55	75	88	105	141	164	193
		50Pa	High	46	62	80	95	112	131	168	200	237	290
			Medium	39	52	75	86	107	111	146	191	216	280
			Low	29	43	68	70	91	99	118	171	195	256
Rated running current (A)		12Pa	High	0.15	0.2	0.26	0.34	0.43	0.52	0.61	0.7	0.86	1.12
			Medium	0.14	0.17	0.23	0.3	0.38	0.46	0.54	0.68	0.74	0.96
			Low	0.11	0.13	0.17	0.22	0.31	0.37	0.43	0.55	0.59	0.8
		30Pa	High	0.18	0.24	0.33	0.38	0.49	0.56	0.65	0.8	1	1.19
			Medium	0.17	0.21	0.27	0.34	0.43	0.5	0.61	0.77	0.94	1.04
			Low	0.13	0.16	0.22	0.26	0.35	0.41	0.49	0.65	0.76	0.89
		50Pa	High	0.21	0.28	0.37	0.44	0.51	0.6	0.77	0.92	1.09	1.45
			Medium	0.18	0.24	0.35	0.4	0.5	0.51	0.68	0.88	1	1.29
			Low	0.14	0.2	0.32	0.33	0.42	0.46	0.55	0.79	0.9	1.18
Sound pressure level (dB(A))		12Pa	High	35	36	40.5	41	45	45.5	44.5	48	49	51
			Medium	28.5	31	34.5	36.3	39	40.3	38.6	43.6	44.3	46.8
			Low	20.5	23	23	25.6	29.8	27.9	27.4	32.6	33.4	35.5
		30Pa	High	38	39.5	42	44.5	47	47.5	47	49.5	51	52
			Medium	30	35	35	39.5	41.1	41.8	41.3	44.9	45.7	47.6
			Low	19.5	25.5	26	27.3	27.3	29.4	30.6	36.4	34.7	38.7
		50Pa	High	42	43	44.5	47	49	48.5	49	51	52.5	53.5
			Medium	35	38.5	40	42.7	43.9	43.6	43.7	46.4	47.1	49
			Low	25.5	31.5	31.5	31.3	33.9	37.3	31.8	37.6	41.7	41
Coil													
Tube material		Copper											
Fin material		Hydrophilic aluminum 0.11mm											
Max. Working Pressure		1.6MPa											
Cooling Water Pipe Size		Rc 3/4 Female thread											
Condensation Water Pipe Size		R3/4 Male thread											
Fan													
Type		Galvanized steel double stage impeller centrifugal (blade: forward)											
Quantity		1	2	2	2	2	2	3	3	4	4		
Motor													
Type		3 Speed Permanent Split Capacitor Motor											
Quantity		1	1	1	1	1	1	2	2	2	2		
Insulation class		IP20/B											

NOTES:

- 1) ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) THE AIR FLOW IS DRY AIR FLOW TESTED ON STANDARD AIR CONDITION WITHOUT WATER IN COIL.
- 3) THE COOLING CAPACITY ARE BEING TESTED UNDER FOLLOWING CONDITION:
H SPEED, ENTERING AIR DB/WB: 27°C/19.5°C, WATER INLET 7°C, WATER OUTLET 12°C
- 4) FOR MEDIUM AND LOW SPEED, PLEASE REFER TO FOLLOWING CORRECTION COEFFICIENT:

SPEED	MODEL	FWW200VC	FWW300VC	FWW400VC	FWW500VC	FWW600VC	FWW700VC	FWW800VC	FWW1000VC	FWW1200VC	FWW1400VC
MEDIUM	TOTAL CAP.	0.9	0.91	0.89	0.89	0.91	0.89	0.91	0.87	0.89	0.85
	SENSIBLE CAP.	0.89	0.89	0.88	0.87	0.89	0.87	0.89	0.86	0.86	0.82
LOW	TOTAL CAP.	0.54	0.63	0.64	0.6	0.63	0.67	0.66	0.66	0.64	0.62
	SENSIBLE CAP.	0.49	0.58	0.59	0.54	0.58	0.63	0.62	0.62	0.59	0.57

- 5) SOUND PRESSURE LEVEL IS TESTED ACCORDING TO GB 19232-2003.
- 6) ALL PERFORMANCE ARE TESTED UNDER 220V~/50HZ AND WITHOUT PLENUM AND FILTER.
- 7) WHEN THE WATER CONNECT DIRECTION IS CHANGED IN FIELD,THE CAPACITY SHOULD BE REDUCED BY 15%.
- 8) PERFORMANCE OF SPECIFIED CONDITION CAN BE CALCULATED BY OUR SOFTWARE.