

Technical specifications

Ceiling Concealed Unit FWW-C Standard unit/2 pipe/3 rows

		MODEL	FWW200C	FWW300C	FWW400C	FWW600C	FWW800C	FWW1000C	FWW1200C	FWW1400C	FWW1600C	FWW1800C	
Performance													
Air flow	High	m³/h	390	530	760	1040	1420	1620	2040	2350	2700	3020	
		CFM	229	312	447	612	835	953	1200	1382	1588	1776	
	Medium	m³/h	260	370	490	780	1090	1140	1500	2050	2430	2780	
		CFM	153	218	288	459	641	671	882	1206	1429	1635	
	Low	m³/h	190	240	340	500	740	830	1020	1550	1830	2180	
		CFM	112	141	200	294	435	488	600	912	1076	1282	
External static pressure		Pa	60/80										
		in.wg	0.24/0.32										
Total cooling capacity		W	2200	3200	4390	6160	7810	8830	10700	12500	14500	16200	
		Btu/h	7507	10919	14979	21019	26649	30129	36510	42651	49476	55277	
Sensible cooling capacity		W	1738	2359	3242	4401	6040	6409	7763	9100	10700	11850	
		Btu/h	5930	8049	11062	15017	20609	21868	26488	31050	36509	40433	
Water flow rate		m³/h	0.4	0.6	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.8	
		USGPM	1.8	2.5	3.4	4.8	6.1	6.9	8.5	9.6	11.2	12.5	
Head loss		kPa	15	12	22	38	18	21	33	33	32	34	
		in.wg.	58	48	86	153	74	84	131	132	128	136	
Sound pressure level (dB(A))		60Pa	High	42	44	45	47	49	50	51	51.5	53	53.5
			Medium	38	39	41	43	46	47	48	50	51.5	52
			Low	36	36	38	40	43	44	41	46.5	47.5	49.5
		80Pa	High	43.9	45	47.4	49.4	49.7	51.6	52.6	52	53.5	54
			Medium	42.3	42.2	43	47.4	48	49	50	50.5	52	52.5
			Low	39	39.8	41	42	46	46	47	47	48	50
Electrical Data													
220-240V~/50Hz	Rated Power Input-60Pa (W)	High	47	69	83	149	205	219	271	390	528	564	
		Medium	39	58	63	123	185	183	235	354	425	511	
		Low	35	47	53	105	163	159	209	249	299	387	
	Rated running current-60Pa (A)	High	0.21	0.31	0.38	0.68	0.93	1	1.23	1.78	2.41	2.57	
		Medium	0.19	0.29	0.3	0.57	0.84	0.86	1.07	1.61	1.93	2.33	
		Low	0.17	0.26	0.26	0.49	0.74	0.74	0.95	1.13	1.37	1.77	
	Rated Power Input-80Pa (W)	High	51	73	97	157	215	237	281	406	559	590	
		Medium	45	60	71	125	193	189	237	368	454	522	
		Low	37	51	57	113	175	173	221	257	320	402	
Rated running current-80Pa (A)	High	0.23	0.33	0.44	0.71	0.98	1.08	1.28	1.86	2.55	2.7		
	Medium	0.21	0.3	0.33	0.57	0.88	0.87	1.09	1.69	2.07	2.38		
	Low	0.18	0.27	0.28	0.52	0.8	0.8	1.01	1.17	1.47	1.84		
208-230V~/60Hz	Rated Power Input-80Pa (W)	High	75	97	125	175	248	270	335	334	748	835	
		Medium	70	89	108	156	218	242	304	288	588	729	
		Low	60	75	97	129	182	201	242	214	389	530	
	Rated running current-80Pa (A)	High	0.36	0.47	0.6	0.84	1.19	1.3	1.61	1.59	3.43	3.85	
		Medium	0.33	0.44	0.55	0.75	1.05	1.16	1.46	1.34	2.68	3.34	
		Low	0.29	0.39	0.49	0.63	0.88	0.98	1.2	0.97	1.77	2.41	
115V~/60Hz	Rated Power Input-80Pa (W)	High	72	107	125	187	253	283	353	-	-	-	
		Medium	53	69	93	135	209	211	265	-	-	-	
		Low	45	57	81	123	193	187	247	-	-	-	
	Rated running current-80Pa (A)	High	0.63	0.93	1.09	1.63	2.2	2.46	3.07	-	-	-	
		Medium	0.49	0.67	0.86	1.2	1.84	1.85	2.33	-	-	-	
		Low	0.43	0.57	0.76	1.1	1.69	1.7	2.2	-	-	-	
Coil													
Tube material		Copper											
Fin material		Hydrophilic aluminum 0.11mm											
Max. Working Pressure		1.6MPa											
Cooling Water Pipe Size		Rc 3/4 Female thread							Rc 1 Female thread				
Condensation Water Pipe Size		R3/4 Male thread											
Fan													
Type		Galvanized steel double stage impeller centrifugal (blade: forward)											
Quantity		1			2			3		4		2	
Motor													
Type		3 Speed Permanent Split Capacitor Motor											
Quantity		1			1			2		2		1	
Insulation class		IP20/E							IP20/F				

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:
COOLING: 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	FWW200C	FWW300C	FWW400C	FWW600C	FWW800C	FWW1000C	FWW1200C	FWW1400C	FWW1600C	FWW1800C
MEDIUM	TOTAL CAP.	0.85	0.82	0.84	0.84	0.87	0.85	0.86	0.96	0.93	0.97
	SENSIBLE CAP.	0.78	0.75	0.78	0.8	0.8	0.8	0.8	0.95	0.9	0.95
LOW	TOTAL CAP.	0.66	0.6	0.65	0.65	0.68	0.7	0.71	0.81	0.8	0.87
	SENSIBLE CAP.	0.58	0.55	0.58	0.6	0.62	0.63	0.66	0.77	0.75	0.83

- 5) SOUND PRESSURE MEASURED AT 1M IN FRONT OF THE UNIT AND 1M BELOW THE VERTICAL CENTER LINE OF THE UNIT, AND TESTED IN SEMI-ANECHOIC ROOM, WITH BACKGROUND SOUND PRESSURE LEVEL: 11.5dB (A).
- 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.