

Technical specifications

Ceiling Concealed Unit FWW-F

Standard unit/2 pipe/4 rows

			MODEL	FWW200F	FWW300F	FWW400F	FWW600F	FWW800F	FWW1000F	FWW1200F	FWW1400F	FWW1600F	FWW1800F	
Performance														
Air flow	High	m³/h	360	510	750	1010	1380	1570	2000	2270	2650	2960		
		CFM	212	300	441	594	812	924	1176	1335	1559	1741		
	Medium	m³/h	250	350	470	770	1070	1100	1470	1980	2340	2700		
		CFM	147	206	276	453	629	653	865	1165	1376	1588		
	Low	m³/h	180	230	330	490	720	820	1010	1500	1800	2150		
		CFM	106	135	194	288	424	482	594	882	1059	1265		
External static pressure		Pa	60/80											
		in.wg	0.24/0.32											
Total cooling capacity		W	2622	3418	5277	7185	8691	10261	12791	13800	16200	18000		
		Btu/h	8948	11661	18007	24517	29653	35013	43644	47086	55274	61416		
Sensible cooling capacity		W	1783	2406	3536	5047	6365	7297	9382	9600	11460	12700		
		Btu/h	6085	8210	12066	17222	21719	24899	32011	32756	39103	43334		
Water flow rate		m³/h	0.5	0.6	0.9	1.3	1.5	1.8	2.3	2.4	2.8	3.1		
		USGPM	2	2.7	4.1	5.5	6.8	8	10.1	10.6	12.5	13.9		
Head loss		kPa	1	6	13	27	9	12	20	36	35	36		
		in.wg.	4	24	52	108	36	48	80	144	140	144		
Sound pressure level (dB(A))	60Pa	High	42	44	45	47	49	50	51	53	53.5	53.5		
		Medium	38	39	41	43	46	47	48	51	51.5	52		
		Low	36	36	38	40	43	44	41	48	49	49.5		
	80Pa	High	43.9	45	47.4	49.4	49.7	51.6	52.6	53	54	54		
		Medium	42.3	42.2	43	47.4	48	49	50	51.5	52.5	53		
		Low	39	39.8	41	42	46	46	47	49	49.5	50		
Electrical Data														
220-240V~/50Hz	Rated Power Input-60Pa (W)	High	47	69	83	149	205	219	271	384	525	553		
		Medium	39	58	63	123	185	183	235	348	422	501		
		Low	35	47	53	105	163	159	209	246	299	382		
	Rated running current-60Pa (A)	High	0.21	0.31	0.38	0.68	0.93	1	1.23	1.74	2.39	2.52		
		Medium	0.19	0.29	0.3	0.57	0.84	0.86	1.07	1.58	1.92	2.28		
		Low	0.17	0.26	0.26	0.49	0.74	0.74	0.95	1.12	1.36	1.74		
	Rated Power Input-80Pa (W)	High	51	73	97	157	215	237	281	398	555	574		
		Medium	45	60	71	125	193	189	237	362	451	508		
		Low	37	51	57	113	175	173	221	254	318	394		
	Rated running current-80Pa (A)	High	0.23	0.33	0.44	0.71	0.98	1.08	1.28	1.83	2.53	2.62		
		Medium	0.21	0.3	0.33	0.57	0.88	0.87	1.09	1.66	2.06	2.32		
		Low	0.18	0.27	0.28	0.52	0.8	0.8	1.01	1.16	1.46	1.8		
208-230V~/ 60Hz	Rated Power Input-80Pa (W)	High	75	97	125	175	248	270	335	321	743	812		
		Medium	70	89	108	156	218	242	304	277	584	709		
		Low	60	75	97	129	182	201	242	208	387	519		
	Rated running current-80Pa (A)	High	0.36	0.47	0.6	0.84	1.19	1.3	1.61	1.54	3.4	3.74		
		Medium	0.33	0.44	0.55	0.75	1.05	1.16	1.46	1.3	2.67	3.26		
		Low	0.29	0.39	0.49	0.63	0.88	0.98	1.2	0.95	1.76	2.36		
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	FWW200F	FWW300F	FWW400F	FWW600F	FWW800F	FWW1000F	FWW1200F	FWW1400F	FWW1600F	FWW1800F
MEDIUM	TOTAL CAP.	0.85	0.82	0.84	0.84	0.87	0.85	0.86	0.96	0.93	0.96
	SENSIBLE CAP.	0.78	0.75	0.78	0.8	0.8	0.8	0.8	0.96	0.91	0.95
LOW	TOTAL CAP.	0.66	0.6	0.65	0.65	0.68	0.7	0.71	0.82	0.79	0.86
	SENSIBLE CAP.	0.58	0.55	0.58	0.6	0.62	0.63	0.66	0.79	0.76	0.84

- 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.