

Technical specifications

Ceiling Concealed Unit FWW-H

Standard unit/4 pipe/3+1 rows

		MODEL	FWW200H	FWW300H	FWW400H	FWW600H	FWW800H	FWW1000H	FWW1200H
Performance									
Air flow	High	m³/h	360	510	750	1010	1380	1570	2000
		CFM	212	300	441	594	812	924	1176
	Medium	m³/h	250	350	470	770	1070	1100	1470
		CFM	147	206	276	453	629	653	865
	Low	m³/h	180	230	330	490	720	820	1010
		CFM	106	135	194	288	424	482	594
External static pressure		Pa	60/80						
		in.wg	0.24/0.32						
Total cooling capacity		W	2130	3100	4260	5980	7580	8570	10380
		Btu/h	7268	10578	14536	20405	25864	29242	35418
Sensible cooling capacity		W	1638	2285	3146	4272	5862	6220	7531
		Btu/h	5589	7798	10735	14578	20002	21224	25696
Cooling water flow rate		m³/h	0.4	0.6	0.8	1.1	1.4	1.6	1.9
		USGPM	1.8	2.5	3.4	4.8	6.1	6.9	8.5
Cooling head loss		kPa	15	22	38	18	21	33	12
		in.wg.	60	88	152	72	84	132	48
Heating capacity		W	1350	2280	3210	4290	5120	6940	8490
		Btu/h	4606	7780	10953	14638	17470	23680	28969
Heating water flow rate		m³/h	0.2	0.2	0.2	0.2	0.2	0.5	0.5
		USGPM	1.1	1.1	1.1	1.1	1.1	2.2	2.2
Sound pressure level (dB(A))	60Pa	High	42	44	45	47	49	50	51
		Medium	38	39	41	43	46	47	48
		Low	36	36	38	40	43	44	41
	80Pa	High	43.9	45	47.4	49.4	49.7	51.6	52.6
		Medium	42.3	42.2	43	47.4	48	49	50
		Low	39	39.8	41	42	46	46	47
Electrical Data									
220-240V~/50Hz	Rated Power Input-60Pa (W)	High	47	69	83	149	205	219	271
		Medium	39	58	63	123	185	183	235
		Low	35	47	53	105	163	159	209
	Rated running current-60Pa (A)	High	0.21	0.31	0.38	0.68	0.93	1	1.23
		Medium	0.19	0.29	0.3	0.57	0.84	0.86	1.07
		Low	0.17	0.26	0.26	0.49	0.74	0.74	0.95
	Rated Power Input-80Pa (W)	High	51	73	97	157	215	237	281
		Medium	45	60	71	125	193	189	237
		Low	37	51	57	113	175	173	221
	Rated running current-80Pa (A)	High	0.23	0.33	0.44	0.71	0.98	1.08	1.28
		Medium	0.21	0.3	0.33	0.57	0.88	0.87	1.09
		Low	0.18	0.27	0.28	0.52	0.8	0.8	1.01
208-230V~/ 60Hz	Rated Power Input-80Pa (W)	High	75	97	125	175	248	270	335
		Medium	70	89	108	156	218	242	304
		Low	60	75	97	129	182	201	242
	Rated running current-80Pa (A)	High	0.36	0.47	0.6	0.84	1.19	1.3	1.61
		Medium	0.33	0.44	0.55	0.75	1.05	1.16	1.46
		Low	0.29	0.39	0.49	0.63	0.88	0.98	1.2
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 PressureS		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 forward centrifugal							
Quantity		1		2		3		4	
Motor									
Type		3 Speed Permanent Split Capacitor Motor							
Quantity		1		1		2		2	
Insulation class		IP20/E							

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
HEATING: H SPEED, ENTERING AIR DB: 21°C, WATER INLET 60°C, WATER OUTLET 50°C
- 4) FOR MEDIUM AND LOW SPEED, PLEASE REFER TO FOLLOWING CORRECTION COEFFICIENT:

SPEED	MODEL	FWW200F	FWW300F	FWW400F	FWW600F	FWW800F	FWW1000F	FWW1200F
MEDIUM	TOTAL CAP.	0.85	0.82	0.84	0.84	0.87	0.85	0.86
	SENSIBLE CAP.	0.78	0.75	0.78	0.8	0.8	0.8	0.8
	HEATING CAP.	0.8	0.78	0.78	0.81	0.83	0.8	0.81
LOW	TOTAL CAP.	0.66	0.6	0.65	0.65	0.68	0.7	0.71
	SENSIBLE CAP.	0.58	0.55	0.58	0.6	0.62	0.63	0.66
	HEATING CAP.	0.58	0.56	0.57	0.58	0.62	0.6	0.61

- 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.