Main Features

General

The new FWW-DA FCUs are specifically designed to satisfy high cooling capacity application requirement. They represent one of the most cost effective solutions to provide a comfortable environment for both commercial and residential applications. Their quiet operation, compact dimensions and particularly low height, make units ideal for ceiling concealed installation even in buildings with narrow ceiling spaces. Units are standard supplied with soundproofed suction plenum and air filter. Centrifugal fans, with forward-curved blades, are statically and dynamically balanced and driven by single-phase motors with three speeds.They feature elegant design, advanced structure, high efficiency, low sound, convenient installation and low maintenance. They are widely used in houses, shopping malls, hospitals and office etc.

Higher Cooling Capacity in High Delta T Application

These units are particularly suitable for high External Static Pressure and high Delta T(chilled water temperature difference) applications. They can delivery more cooling capacity in high Delta T conditions with the specially designed fans & motors, coils and excellent combination of them.

Low Chilled Water Pressure Drop

In order to meet even the most demanding customer requirements, the new FCUs adopt the most reasonable and optimized water circuit design and utilize the National accredited thermal test room to guarantee both the perfect performance and a low chilled water pressure drop.

Extra High Air Flow Volume at High ESP

These units can supply more air flow at high ESP. 11 models of FWW-DA cover an air flow range from 200 to 1600 CFM at medium speed with ESP of 75Pa.

High Efficiency and Energy Saving

A boundary layer film of air adhering to the fin surface will insulate the fin surface and severely reduces the heat exchange efficiency. DAIKIN slit designed and HYDROPHILIC BLUE FIN eliminates this boundary layer of air and creates continuous turbulence for best heat exchange efficiency.

Flexibility

Units are available with left or right hand water connections, which can be easily switched in the field by changing the positions of the fan-motor assembly and the supply air flange assembly if required.

Compact Design

The low height design makes this fan coil unit series ideally suited for the tight ceiling concealed installation

Low Sound Design

Enlarged fan wheels design allows lower fan speed selection for the same external static pressure and airflow requirement. Thereby noise level is significantly reduced.

Powerful Selection Software

Powerful select software makes various conditions selection precise and cost saving.

Specifications

General Data

MODEL			200DA	300DA	400DA	500DA	600DA	800DA	900DA	1000DA	1200DA	1400DA	1600DA
NOMINAL AIR FLOW	H	m^3/h	348	446	665	831	923	1369	1564	1683	2375	2386	3163
		CFM	205	262	391	489	543	805	920	990	1397	1404	1861
	M	m^3/h	304	399	611	794	868	1296	1514	1631	2208	2381	2974
		CFM	179	235	359	467	511	762	891	959	1299	1401	1749
	L	m^3/h	200	270	446	631	694	1089	1294	1376	1668	1931	2312
		CFM	118	159	262	371	408	641	761	809	981	1136	1360
COOLING CAPACITY	TOTAL	W	1660	2300	3280	3750	4300	6570	7150	7910	9980	10490	12920
		Btu/h	5664	7848	11191	12795	14672	22417	24396	26989	34052	35792	44083
	SENSIBLE	W	980	1400	2040	2580	2850	4490	4870	5480	7360	7880	9960
		Btu/h	3344	4777	6960	8803	9724	15320	16616	18698	25112	26887	33984
RATED POWER INPUT	H	W	84	101	116	148	165	297	299	309	507	603	665
	M	W	78	92	108	133	154	273	277	290	475	523	607
	L	W	58	69	92	110	133	225	232	250	407	428	529
RATED CURRENT INPUT	H	A	0.40	0.48	0.54	0.67	0.81	1.44	1.53	1.58	2.37	2.78	3.10
	M	A	0.36	0.42	0.49	0.62	0.71	1.25	1.28	1.34	2.17	2.46	2.78
	L	A	0.28	0.32	0.43	0.54	0.61	1.02	1.06	1.14	1.85	2.04	2.42
WATER FLOW RATE		m^3/h	0.16	0.22	0.31	0.36	0.41	0.63	0.68	0.75	0.95	1.00	1.23
		Am.gpm	0.70	0.97	1.36	1.58	1.80	2.77	2.99	3.30	4.18	4.40	5.41
WATER PRESSURE DROP		kPa	3	6	13	6	8	10	13	11	14	16	20
		PSI	0.46	0.87	1.89	0.88	1.16	1.45	1.92	1.60	2.03	2.28	2.90
EXTERNAL STATIC PRESSURE		Pa	75	75	75	75	75	75	75	75	75	75	75
		inH_2O	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
SOUND PRESSURE LEVEL		dB(A)	42.6	45.6	45.3	46.7	49.2	48.7	48.2	50.3	50.9	50.9	52.9
CONDENSATE DRAIN PIPE			Rc3/4										
UNIT DIMENSION	LENGTH	mm	677	827	927	997	1097	1427	1537	1727	1427	1527	1827
	WIDTH	mm	530	530	530	530	530	530	530	530	600	600	600
	HEIGHT	mm	243	243	243	243	243	243	243	243	297	297	297
PACKING DIMENSION	LENGTH	mm	689	839	939	1009	1109	1439	1549	1739	1439	1539	1839
	WIDTH	mm	542	542	542	542	542	542	542	542	612	612	612
	HEIGHT	mm	255	255	255	255	255	255	255	255	309	309	309
NET WEIGHT		kg	16	21	22	24	28	39	44	48	51	52	62
		lb	36	45	49	54	61	85	96	106	111	115	136
GROSS WEIGHT		kg	19	24	25	28	31	43	48	53	55	58	68
		lb	41	52	56	61	69	95	106	117	122	127	149
OPERATING WEIGHT		kg	17	22	24	26	30	41	47	50	54	54	66

NOTES:

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) THE PERFORMANCE DATA ARE BASED ON THE FOLLOWING CONDITIONS:

A) COOLING: 24°C DB/18°C WB INDOOR AND WATER INLET 5.5°C OUTLET 14.5°C.

B) MEDIUM SPEED,75PA ESP.

C) 220V/1PH/50HZ.

D) AIR FLOW ARE TESTED AT 20°C DB,16°C WB WITHOUT WATER FLOW.

3) ALL THE DIMENSIONS ARE FOR THE UNITS WITH STANDARD DRAIN PAN. TO GET DIMENSIONS FOR UNITS WITH EXTENDED DRAIN PAN, PLEASE INCREASE THE ABOVE LENGTH VALUES ACCORDINGLY.

4) WHEN THE WATER CONNECT DIRECTION IS CHANGED IN FIELD,THE CAPACITY SHOULD BE REDUCED BY 6%.