

Features

Compact

- Light-weighted, good-looking appearance, and compact and solid structure.
- 235 mm height, allowing installation on the ceiling with a limited space.

Low-noise

- Low-noise motor for driving the low speed fan with a wide impeller; strictly tested before delivery.
- Precise distance between the impeller inlet/outlet and the heat exchanger for more reasonable air flow distribution.
- Highly efficient sound-absorbing and heat-preserving materials inside to minimize noises produced by the unit.

Reliable

- Single-phase capacitor motor with the protection grade IP20 and insulation grade B to ensure operation safety.
- Permanently lubricated and sealed ball bearing with high precision, which is provided by internationally famous brands and receives processing including hardening and tempering as well as chroming.
- Motor power outlet wires protected by metal hoses to ensure its durability.
- Working pressure up to 1.6 MPa and test pressure up to 2.0 MPa for the heat exchanger to endure high pressures and prevent leakage.

High Efficiency

- Heat exchanger with the high-quality mechanically expanded copper pipe and hydrophilic aluminum fins to ensure high efficiency.
- Intensified air supply using a large air flow fan with a wide impeller to maximize the heat transfer performance.
- Precise matching of the fan and motor to guarantee the maximum cooling capacity but a low power input.

Flexible

- Multiple external static pressures designed based on the unit's cooling capacity, meeting the air supply requirements at different distances.
- Optional bottom return air plenum or back return air plenum with support for onsite changes, featuring time saving.
- Variable accessories for more options.

Anti-leakage

- Delicate condensate-proof drain pan made of the cold-rolled steel through one-time impact molding, with coating on both sides and high-quality heat-preserving materials on the exterior.
- Unique independent mounting bracket without soldering seams or joints, requiring no bolts for fixing to prevent damages to the drain pan heat-preserving layer or cold bridges.
- Tilt structure for rapid condensate water drainage.

Specifications

General Data

FWW-VC												
MODEL		FWW200VC	FWW300VC	FWW400VC	FWW500VC	FWW600VC	FWW700VC	FWW800VC	FWW1000VC	FWW1200VC	FWW1400VC	
Air Flow	HIGH	m ³ /h	340	510	680	850	1020	1170	1360	1700	2040	2380
		CFM	200	300	400	500	600	688	800	1000	1200	1400
	MEDIUM	m ³ /h	279	418	558	697	836	959	1115	1394	1673	1952
		CFM	164	246	328	410	492	564	656	820	984	1148
	LOW	m ³ /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/in.wg	12,30,50/0.05,0.12,0.20										
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	
TOTAL HEATING CAPACITY	W	3500	5330	6800	8400	9600	11100	13500	15800	18300	21500	
	Btu/h	11942	18187	23203	28662	32757	37875	46064	53912	62442	73361	
WATER FLOW RATE	m ³ /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	5.0	6.2	7.4	8.6	10.1	
HEAD LOSS (Cooling)	Pa	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	0.2	0.2	0.2	
UNIT WEIGHT (Without plenum)	kg	10.3	12.4	12.8	15.1	16.7	17.6	25.2	28.6	31.0	33.5	
	lb	22.7	27.3	28.2	33.3	36.8	38.8	55.6	63.1	68.3	73.9	
UNIT GROSS WEIGHT (Without plenum)	kg	12.4	14.7	15.3	17.8	19.4	20.4	28.9	32.4	35.4	38.5	
	lb	27.3	32.4	33.7	39.2	42.8	45.0	63.7	71.4	78.0	84.9	
DIMENSIONS	Without Return Air Plenum	mm	625×465×235	815×465×235	865×465×235	945×465×235	1045×465×235	1095×465×235	1425×465×235	1475×465×235	1675×465×235	1825×465×235
	With Back Return Air Plenum	mm	625×516×235	815×516×235	865×516×235	945×516×235	1045×516×235	1095×516×235	1425×516×235	1475×516×235	1675×516×235	1825×516×235
	With Bottom Return Air Plenum	mm	625×497×235	815×497×235	865×497×235	945×497×235	1045×497×235	1095×497×235	1425×497×235	1475×497×235	1675×497×235	1825×497×235
UNIT WEIGHT (With plenum)	kg	13.2	16.0	16.7	19.3	21.2	22.4	31.3	34.8	38.0	41.5	
	lb	29.1	35.3	36.8	42.5	46.7	49.4	69.0	76.7	83.8	91.5	
UNIT GROSS WEIGHT (With plenum)	kg	15.3	18.3	19.2	22.0	23.9	25.2	35.0	38.6	42.4	46.5	
	lb	33.7	40.3	42.3	48.5	52.7	55.6	77.2	85.1	93.5	102.5	
CONDENSATE DRAIN SIZE		R3/4										

NOTES:

- 1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
- 2) ALL THE UNITS ARE BEING TESTED UNDER FOLLOWING CONTITION:
 - COOLING-27°C DB/19.5°C WB INDOOR AND WATER INLET 7°C OUTLET 12°C
 - HEATING-21°C DB INDOOR AND WATER 60°C INLET.WATER FLOW:SAME WITH COOLING CONDITION.
- 3) SOUND PRESSURE LEVEL ARE ACCORDING TO MICROPHONE POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT END