



# COMMERCIAL AIR CONDITIONERS

PRODUCT CATALOGUE

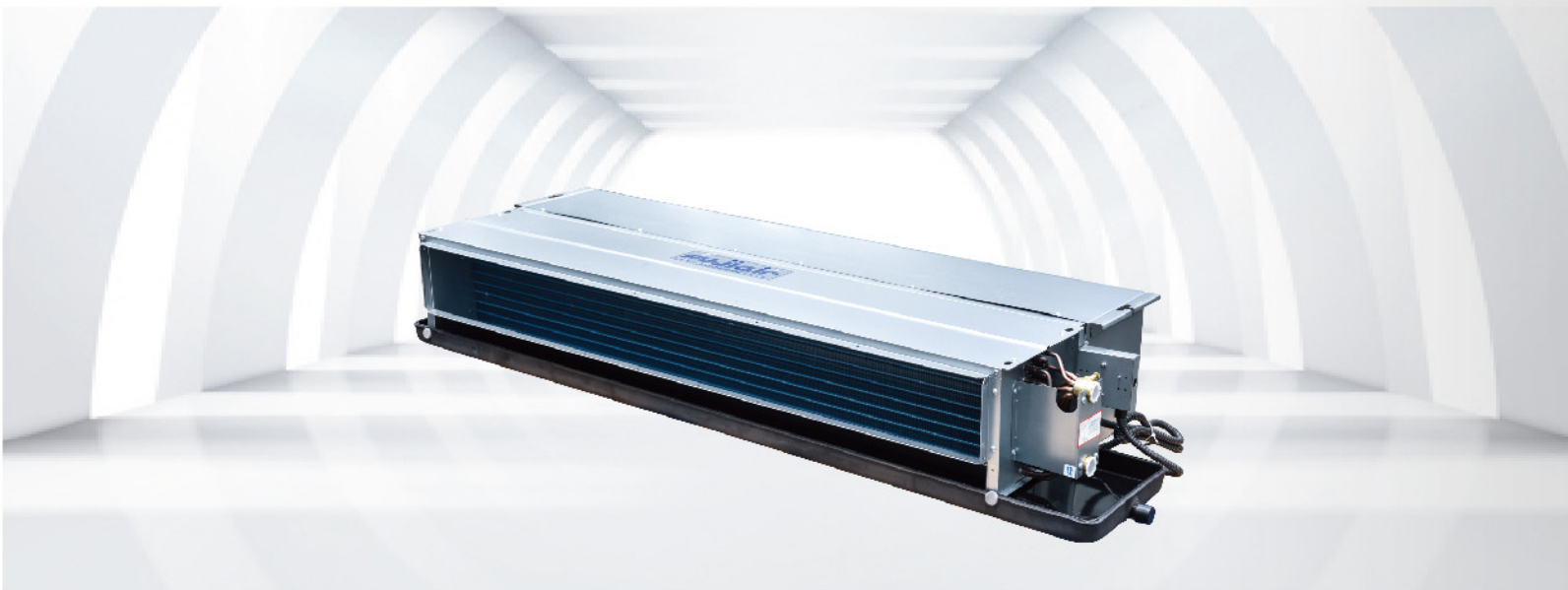
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*FAN COIL UNIT*



## **FAN COIL UNIT**

### **CEILING CONCEALED FCU**



## **FEATURES**

Panel and frame are made of SECC galvanized steel, It has high level of water proofing and anti-corrosion characteristic, properly punched for fixing both accessories and the unit itself for ceiling installation.

The fan decks are composed of non-welded multi-blade centrifugal impellers and high-quality 3-speed fan motors. The motor has Class B insulation, imported self-lubricated NSK bearing. Each fan motor has gone through strict static and dynamic balancing, to ensure smooth and quiet operation.

The coils are made of seamless copper tubes expanded into hydrophilic aluminum fins.

The easily removable standard filter is made of filtering honeycomb polypropylene fabric and supported by an aluminum frame.

The drain pan is made of high quality sheet metal treated with polyester powder coating to ensure total resistance to atmospheric agents, and are sloped in a way that shall facilitate water drainage and reduce the conditions for the breeding of harmful bacteria.

## **VARIOUS SELECTIONS**

- Versions for 2/4 Pipes systems.
- 3 or 4 rows coil for 2-pipe systems.
- 3+1 rows coil for 4-pipe systems.
- High external static pressure 30Pa and 60Pa
- Different type thermostats with more advanced functions
- Left and right hand piping connections for flexible installation.
- Return air box and various filter selection.

## SPECIFICATION 2 Pipes 3 Rows

Model			FCU-34CC2	FCU-51CC2	FCU-68CC2	FCU-85CC2	FCU-102CC2	FCU-136CC2	FCU-170CC2	FCU-204CC2	FCU-238CC2
Air Flow	H	m <sup>3</sup> /h	340	510	680	850	1020	1360	1700	2040	2380
	M		285	420	560	700	840	1120	1400	1675	1960
	L		175	260	345	430	515	685	850	1025	1200
Cooling	Capacity	H	2.0	2.7	3.6	4.5	5.4	7.2	9.0	10.8	12.6
		M	1.8	2.3	3.1	4.2	4.3	5.7	7.9	8.6	10.0
		L	1.6	1.8	2.6	3.0	3.6	4.5	6.0	6.8	8.0
	Water Flow	L/h	340	465	620	775	930	1240	1550	1860	2160
	Water Resistance	kPa	12	21	12	23	30	33	26	33	38
Heating	Capacity	H	3.8	4.4	5.9	7.5	8.4	14.0	16.0	19.0	21.8
		M	3.3	3.8	5.1	6.5	7.2	12.1	13.8	16.4	18.8
		L	2.1	2.4	3.2	4.1	4.5	7.6	8.6	10.3	11.8
Fan	Quantity	Nos.	1	2	2	2	2	3	4	4	4
Power Input	12Pa	W	37	52	62	76	96	134	152	189	228
	30Pa		44	59	72	87	108	156	174	212	253
	60Pa		49	66	84	100	118	174	210	250	300
Running Current	12Pa	A	0.17	0.24	0.29	0.35	0.45	0.62	0.71	0.88	1.06
	30Pa		0.2	0.27	0.33	0.4	0.5	0.72	0.81	0.98	1.17
	60Pa		0.23	0.31	0.39	0.46	0.55	0.81	0.97	1.16	1.39
Sound Pressure Level	12Pa	dB(A)	37	39	41	43	45	46	48	50	52
	30Pa		40	42	44	46	47	48	50	52	54
	60Pa		42	44	46	47	49	50	52	54	56
Net Weight	Without return air box	Kg	10.9	12.9	15.3	16.2	17.2	26	28.8	31.4	38
	With return air box		13.9	16.5	19.3	20.5	21.8	32	35.2	38.6	46.2
Connection	Water Inlet	inch	ZG3/4"								
	Water Outlet	inch	ZG3/4"								
	Drain Pipe	inch	G3/4"								

### Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. The data are test under standard external static pressure.
3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19.5°C WB.  
Heating conditions: entering water 60°C, entering air temperature 21°C DB, the same water flow as the cooling conditions.
4. Noise is tested in a semi-anechoic test room.

## HIGH STATIC FCU

- Elegant exterior design
- Copper tube and hydrophilic aluminum fins heat exchanger with air release valve
- High external pressure 120Pa, long air supply distance.
- Ultra-quiet centrifugal fan, 3 speed motor. Big air volume, low noise.
- Aluminum alloy, removable and washable filter



## SPECIFICATION

Model			FCU-100CC2H	FCU-150CC2H	FCU-200CC2H	FCU-250CC2H	FCU-320CC2H	FCU-360CC2H	FCU-410CC2H	FCU-510CC2H
Air Flow	H	m <sup>3</sup> /h	1000	1500	2000	2500	3250	3600	4100	5100
	M		890	1200	1650	1925	2600	2700	3300	3850
	L		670	915	1250	1450	2000	2050	2500	2900
Cooling	Capacity	H	6.4	9.1	12.6	15.1	19.8	22.2	25.6	32.6
		M	5.9	7.8	10.8	12.9	17.0	18.1	21.9	26.6
		L	4.8	6.4	8.8	10.5	13.8	14.7	17.8	21.5
	Water Flow	L/h	1116	1584	2160	2592	3420	3816	4392	5616
Water Resistance	kPa	11.2	19.2	25.1	36.2	43.2	54.8	56.1	93.4	
Heating	Capacity	H	9.7	13.7	18.8	22.6	29.7	33.3	38.3	48.9
		M	8.9	11.7	16.1	19.3	25.5	27.2	32.8	39.8
		L	7.2	9.6	13.1	15.7	20.7	22.1	26.7	32.2
Fan	Quantity	Nos.	2	2	2	2	2	2	2	2
Power Input		W	368	460	564	650	845	934	1128	1445
Running Current		A	1.71	2.13	2.62	3.01	3.92	4.33	5.23	6.70
Sound Pressure Level		dB(A)	50	52	55	58	59	60	64	68
ESP		Pa	120							
Dimension (LxWxH)		mm	1090x568x340	1190x568x340	1290x568x390	1450x688x390	1490x688x450	1620x863x450	1640x863x500	1970x863x500
Connection	Water Inlet	in	ZG3/4"	ZG3/4"	ZG1"	ZG1"	ZG1"	ZG1"	ZG1"	ZG1"
	Water Outlet	in	ZG3/4"	ZG3/4"	ZG1"	ZG1"	ZG1"	ZG1"	ZG1"	ZG1"
	Drain Pipe	in	G3/4"							

### Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19.5°C WB.  
Heating conditions: entering water 60°C, entering air temperature 21°C DB, the same water flow as the cooling conditions.
3. Noise is tested in a semi-anechoic test room.

## 4 WAY CASSETTE FCU

Stylish panel with large airflow outlet, max air flow 1700CFM with cooling capacity 5Ton.

Galvanized steel body with high density foam insulation inside.

Copper tube and hydrophilic aluminum fins heat exchanger with air release valve.

Centrifugal fan, 3 speed motor.

High-lift drain pump, standard built-in drain pump with 70cm head (120cm optional) with float switch.

Fresh air can enter through the cassette unit so you can enjoy even fresher air in room.

High density polystyrene foam material drain pan.

Synthetic removable and washable air filter.



## SPECIFICATION

Model			FCU-34CA2	FCU-51CA2	FCU-68CA2	FCU-85CA2	FCU-102CA2	FCU-136CA2	FCU-170CA2	FCU-204CA2	FCU-238CA2	FCU-289CA2	
Air Flow	H	m <sup>3</sup> /h	340	510	680	850	1020	1360	1700	2040	2380	2890	
	M		280	390	520	640	790	1030	1290	1500	1800	2100	
	L		180	260	350	430	520	690	860	1030	1200	1600	
Cooling Capacity	H	W	2000	2700	3700	4500	5600	7000	9100	10800	12600	17100	
	M		1800	2300	3100	4200	4300	5700	7900	8600	10000	12400	
	L		1600	1800	2600	3000	3600	4500	6000	6800	8000	9400	
Heating Capacity	H	W	2800	4200	5600	7000	8400	11200	13900	16700	19500	23700	
	M		2500	3400	4500	6300	6500	8500	12000	12600	15600	17500	
	L		2000	2700	4000	5000	5200	6700	9000	10200	12000	13800	
Fan Blower	Type	Centrifugal Fan											
	Size (Dia.)	φ 315	φ 315	φ 315	φ 380	φ 380	φ 380	φ 476	φ 476	φ 476	φ 530		
	No. of Fan	1											
Noise Level		dB(A)	37	39	41	43	45	46	47	50	52	57	
Power Input		W	39	52	62	76	96	132	152	189	220	330	
Running Current		A	0.18	0.24	0.27	0.33	0.38	0.58	0.78	0.8	1.07	1.43	
Water Flow		L/h	345	470	640	780	970	1260	1710	1920	2160	2,631	
Water Resistance		kPa	7	9	11	16	18	19	17	19	22	36	
Connection Pipe	In	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
	Out	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Drain Pipe		mm	26										
Coil		Type	High Efficient Copper Pipe and Hydrophilic Aluminum Fin										
Net Dimension	Main Body	mm	580×580×250				705×705×290				832×832×290		950×950×290
	Panel	mm	680×680×30				830×830×30				980×980×30		1140×1140×30
Net Weight		Kg	20				25				34		52
Control Method			Remote Control (Wiring Control Optional)										

### Notes:

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3. Noise is tested in a semi-anechoic test room.

## CEILING & FLOOR FCU

Flexible installation, this type FCU can be installed by ceiling mounted or floor standing.

Elegant cabinet. Centrifugal fan, 3 speed motor.

Removable louver for easy maintenance, Synthetic removable and washable air filter.



## SPECIFICATION

Model			FCU-51CF2	FCU-68CF2	FCU-85CF2	FCU-102CF2	FCU-136CF2	FCU-170CF2	FCU-204CF2	FCU-238CF2
Air Flow	H	m <sup>3</sup> /h	510	680	850	1020	1360	1700	2040	2380
	M		440	560	700	870	1255	1450	1830	2100
	L		350	410	570	740	1080	1160	1500	1650
Cooling Capacity	H	W	2700	3600	4500	5400	7200	9000	10800	12600
	M		2320	3200	3690	4820	6920	8200	9640	11080
	L		2000	2700	3225	4455	6200	7760	8710	10065
Heating Capacity	H	W	4150	5600	6850	8900	11200	13500	16200	18900
	M		3500	5000	6035	7980	10400	12000	14280	16120
	L		2825	4000	5075	7285	9850	10340	12290	14095
Noise Level	dB(A)	42		45	48			50		
Fan Quantity	Nos.	2			3			4		
Power Input	W	48	50	76	105	120	150	180	190	
Water Flow	Kg/h	520	620	860	980	1220	1580	1920	2100	
Water resistance	KPa	14	16	18	22	25	39.5	44	45	
Running Pressure	Mpa	1.6								
Unit dimension	mm	905x673x240			1288x673x240			1673x673x240		
Packing dimension	mm	995x765x320			1375x765x320			1760x765x320		
Weight	kg	25		30	40			45		
Inlet/outlet water pipe	Inch	Rc3/4"								
Draining pipe	Inch	Rc3/4"								

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## WALL MOUNTED FCU

Stylish panel.

Quiet air supply system.

Patented disassembling technology offers easier detachment, so filter mesh may be cleaned at will. Removable front panel making maintenance convenient.

Soft LED Setting, With integrated design, the display is cleverly concealed in the interior of the panel for energy saving and conformable sleep.



## SPECIFICATION

Model			FCU-34WM	FCU-51WM	FCU-68WM	FCU-85WM	FCU-102WM	FCU-136WM
<b>Air Flow</b>	H/M/L	m <sup>3</sup> /h	340/260/180	510/380/260	680/520/340	850/660/430	1020/765/520	1360/1000/800
<b>Cooling</b>	Capacity	H	1800	2700	3600	4500	5400	7200
		M	1476	2214	2952	3690	4428	5904
		L	1098	1647	2196	2745	3294	4392
<b>Water Flow</b>		m <sup>3</sup> /h	0.31	0.46	0.62	0.77	0.93	0.93
<b>Water Resistance</b>		kPa	16	18	20	21	22.5	23.5
<b>Heating</b>	Capacity	H	2700	4050	5400	6750	8100	10800
		M	2146	3219	4293	5366	6439	8586
		L	1512	2268	3024	3780	4536	6048
<b>Power Input H</b>		W	30	38	45	50	90	100
<b>Sound Pressure Level H</b>		dB(A)	37	39	41	43	45	46
<b>Max.Working Pressure</b>		MPa	1.6					
<b>Control Method</b>			Remote Controller					
<b>Dimension (LxWxH)</b>		mm	850x300x198		970x315x235		1100x330x235	
<b>Net Weight</b>		kg	11.2		14.5		16.5	
<b>Connection</b>	Drain Pipe		ZG1/2"					
	Water Inlet	Inch	ZG1/2"					
	Water Outlet		ZG1/2"					

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Due to FUJIAIR's ongoing commitment to quality, the specifications and dimensions are subject to change without notice and without incurring liability.



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