



Commercial Air Conditioners

## Fan Coil Units



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Unit colours shown are as close as possible to actual unit colours. Colours depicted in this brochure may vary slightly.

# Duct Series

- Ceiling Concealed Duct
- High Static Pressure Duct
- Ultrathin Duct



## Ceiling Concealed Duct FCUs



### 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, 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.
- ❖ Standard return air plenum and filter guarantees clean air supply and stable air flow rate. 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.
- ❖ Left and right hand piping connections are optional, flexible installation.

### Various Selections

- ❖ Versions for 2/4 pipe systems.
- ❖ 3 or 4 rows coil for 2-pipe systems.
- ❖ 3+1 rows coil for 4-pipe systems.
- ❖ High external static pressure 30Pa and 50Pa.
- ❖ Different type thermostats with more advanced functions.

## Specifications

Model			FCU-34	FCU-51	FCU-68	FCU-85	FCU-102	FCU-136	FCU-170	FCU-204	FCU-238	
			CC2	CC2	CC2	CC2	CC2	CC2	CC2	CC2	CC2	
Air Flow	H		340	510	680	850	1020	1360	1700	2040	2380	
	M	m³/h	285	420	560	700	840	1115	1400	1675	1955	
	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	kW	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	345	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	kW	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
Coil		/	High Efficient Copper Pipe and Hydrophilic Aluminum Fin									
Fan	Quantity	Nos	1	2	2	2	2	3	4	4	4	
Power Input	12Pa		37	52	62	76	96	134	152	189	228	
	30Pa	W	44	59	72	87	108	156	174	212	253	
	50Pa		49	66	84	100	118	174	210	250	300	
Running Current	12Pa		0.17	0.24	0.29	0.35	0.45	0.62	0.71	0.88	1.06	
	30Pa	A	0.20	0.27	0.33	0.4	0.5	0.72	0.81	0.98	1.17	
	50Pa		0.23	0.31	0.39	0.46	0.55	0.81	0.97	1.16	1.39	
Sound Pressure Level	12Pa		37	39	41	43	45	46	48	50	52	
	30Pa	dB(A)	40	42	44	46	47	48	50	52	54	
	50Pa		42	44	46	47	49	50	52	54	56	
Net Weight	Without RAB		10.9	12.9	15.3	16.2	17.2	26.0	28.8	31.4	38.0	
	With RAB	Kg	13.9	16.5	19.3	20.5	21.8	32.0	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. RAB: Return air box.
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°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 Pressure Duct FCUs



### 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.
- ❖ Ultra-quiet centrifugal fan, 3 speed motor. Big air volume, low noise.
- ❖ The coils are made of seamless copper tubes expanded into hydrophilic aluminum fins.
- ❖ Aluminum alloy, removable and washable filter.
- ❖ High external pressure 120Pa, long air supply distance.

### Specifications

Model		FCU-100	FCU-150	FCU-200	FCU-250	FCU-320	FCU-360	FCU-410	FCU-510	
		CC2H	CC2H	CC2H	CC2H	CC2H	CC2H	CC2H	CC2H	
Air Flow	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
Coil	/ High Efficient Copper Pipe and Hydrophilic Aluminum Fin									
Fan	Quantity	Nos	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	L	mm	1090	1190	1290	1450	1490	1620	1640	1970
	W	mm	568	568	568	688	688	863	863	863
	H	mm	340	340	390	390	450	450	500	500
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. The data are test under standard external static pressure 120Pa.
  3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19°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.

## Ultrathin Duct FCUs

### Features

- ❖ 210mm Ultra-thin body thickness which saves space to the maximum extent.
- ❖ The coils are made of seamless copper tubes expanded into hydrophilic aluminum fins.
- ❖ Standard return air plenum and filter guarantees clean air supply and stable air flow rate.
- ❖ Standard built-in drain pump with 700mm pump head.

### Specifications

- Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
  2. The data are test under standard external static pressure 30Pa.
  3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19°C WB. Heating conditions: entering water 60°C, entering air temperature 21°C DB.
  4. Noise is tested in a semi-anechoic test room.



Model		FCU-34CC2T	FCU-51CC2T	FCU-68CC2T	FCU-85CC2T	FCU-102CC2T	FCU-136CC2T	
Air Flow	H	340	510	680	850	1020	1360	
	M	280	390	520	680	790	1030	
	L	180	260	350	490	520	590	
Cooling Capacity	H	1.8	2.7	3.6	4.5	5.4	7.2	
	M	1.5	2.3	2.8	3.8	4.6	5.8	
	L	1.1	1.4	2.0	2.7	3.9	4.3	
Water Flow	L/h	345	465	620	775	930	1240	
Water Resistance	kPa	15	27	15	12	16	21	
Heating Capacity	H	2.7	4.2	5.4	6.7	8.1	10.8	
	M	2.5	3.5	4.2	5.7	6.9	8.7	
	L	1.7	2.1	3.0	4.0	5.8	6.4	
Coil	Type	/ High Efficient Copper Pipe and Hydrophilic Aluminum Fin						
Fan	Type	/ Centrifugal						
Fan	Quantity	Nos	2	2	2	3	3	
Power Input	W	39	52	62	76	96	132	
Running Current	A	0.18	0.24	0.27	0.35	0.45	0.58	
Noise Level	dB(A)	37	39	41	43	45	46	
Dimension	L	mm	700	700	900	900	1100	1100
	W	mm	516	516	516	516	516	516
	H	mm	210	210	210	210	210	210
Net Weight	Kg	15.9	15.9	19	19	23	23	
Connection Pipe	Water Inlet	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
	Water Outlet	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
	Drain Pipe	26	26	26	26	26	26	

# Cassette Series

1-Way Cassette FCUs

2-Way Cassette FCUs

4-Way Cassette FCUs

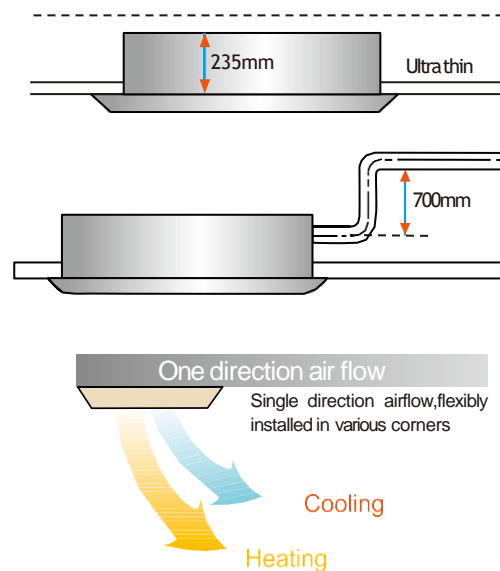


## Features

- ❖ Compact design, ultra slim body with a minimum thickness of 235mm, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.
- ❖ Standard built-in drain pump with 700mm pump head.
- ❖ One direction air flow guarantees quick cooling, flexible installation positioning.
- ❖ Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.

## Accessories

- ❖ Remote controller is standard, wired controller is optional.
- ❖ 4 Pipes system.
- ❖ Water valve can be installed inside the unit.



## Specifications

Model			FCU-34C12	FCU-51C12	FCU-68C12	FCU-85C12	FCU-102C12
Air Flow	H	m3/h	340	510	680	850	1020
	M		270	400	520	640	750
	L		190	300	400	490	600
Cooling Capacity	H	kW	1.9	2.7	3.6	4.5	5.4
	M	kW	1.5	2.2	2.8	3.4	4.0
	L	kW	1.0	1.6	2.2	2.6	3.2
Water Flow		L/h	330	480	625	780	930
Water Resistance		kPa	10	15	18	25	31
Heating Capacity	H	kW	2.7	4.1	5.4	7.0	8.0
	M	kW	2.2	2.4	4.2	5.2	6.0
	L	kW	1.5	3.2	3.4	3.9	4.8
Coil High Efficient Copper Pipe and Hydrophilic Aluminum Fin							
Fan	Size (Dia.)		Φ142	Φ142	Φ142	Φ155	Φ155
	Nos		2	2	2	2	2
Power Input		W	45	54	62	100	110
Running Current		A	0.2	0.24	0.28	0.46	0.51
Noise Level		dB(A)	39	39	40	43	45
Dimension	Body	mm	850x480x235				
	Panel	mm	1055x580x30				
Net Weight		Kg	22			23	
Connection Pipe	In		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
	Out		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
Drain Pipe		mm	26				

1-Way Cassette FCUs

Model			FCU-68C22	FCU-85C22	FCU-102C22	FCU-136C22	
Air Flow	H	m3/h	680	850	1020	1360	
	M		520	640	765	1050	
	L		400	490	600	800	
Cooling Capacity	H	kW	3.6	4.5	5.4	7.2	
	M	kW	2.8	3.4	4.1	5.6	
	L	kW	2.2	2.6	3.2	4.3	
Water Flow		L/h	620	776	930	1245	
Water Resistance		kPa	20	28	23	40	
Heating Capacity	H	kW	5.5	6.8	8.0	10.8	
	M	kW	4.2	5.2	6.2	8.2	
	L	kW	3.2	4.0	4.8	6.4	
Coil High Efficient Copper Pipe and Hydrophilic Aluminum Fin							
Fan	Size (Dia.)		Φ142	Φ155	Φ155	SYP150/200J	
	Nos		2	2	2	2	
Power Input		W	64	100	110	130	
Running Current		A	0.29	0.46	0.51	0.6	
Noise Level		dB(A)	42	43	45	46	
Dimension	Body	mm	1140x575x290				
	Panel	mm	1240x680x30				
Net Weight		Kg	32	32	34	34	
Connection Pipe	In		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
	Out		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Drain Pipe		mm	26				

2-Way Cassette FCUs

## 4-Way Cassette FCUs

### Features

- ❖ Stylish Panel with Large Airflow Outlet, Max air flow 2000CFM 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.
- ❖ Versions for 2/4 pipe systems.
- ❖ Wireless controller is standard, and wired controller is optional.



❖ With valve

### Specifications

Model			FCU-34C42	FCU-51C42	FCU-68C42	FCU-85C42	FCU-102C42	FCU-136C42
Air Flow	H	m3/h	340	510	680	850	1020	1360
	M		280	390	520	640	790	1030
	L		180	260	350	490	520	590
Cooling Capacity	H	kW	2.0	2.7	3.7	4.7	5.8	7.2
	M	kW	1.7	2.3	2.8	3.8	4.6	5.8
	L	kW	1.1	1.4	2.0	2.7	3.9	4.3
Water Flow		L/h	345	470	640	808	995	1240
Water Resistance		kPa	15	27	15	12	16	21
Heating Capacity	H	kW	2.8	4.2	5.6	7.0	8.4	11.2
	M	kW	2.5	3.5	4.2	5.7	6.9	8.7
	L	kW	1.7	2.1	3.0	4.0	5.8	6.4
Coil	High Efficient Copper Pipe and Hydrophilic Aluminum Fin							
Fan	Size (Dia.)		Φ315	Φ315	Φ315	Φ380	Φ380	Φ380
	Nos		1	1	1	1	1	1
Power Input		W	39	52	62	76	96	132
Running Current		A	0.18	0.24	0.27	0.35	0.45	0.58
Noise Level		dB(A)	37	39	41	43	45	46
Dimension	Body		580x580x265				710x710x290	
	Panel		680x680x30				830x830x30	
Net Weight		Kg	20				26	
Connection Pipe	In		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"
Drain Pipe		mm	26					

Model			FCU-170C42	FCU-204C42	FCU-238C42	FCU-272C42	FCU-306C42	FCU-340C42
Air Flow	H	m3/h	1700	2040	2380	2720	3060	3400
	M		1400	1500	1850	2220	2560	2900
	L		950	1030	1500	1950	2260	2600
Cooling Capacity	H	kW	9.2	11.0	12.6	13.8	15.5	17.2
	M	kW	8.0	9.0	10.5	11.7	13.4	15.0
	L	kW	6.5	7.0	9.0	10.0	12.0	13.0
Water Flow		L/h	1580	1890	2160	2640	3120	3540
Water Resistance		kPa	37	40	47	50	50	50
Heating Capacity	H	kW	13.9	16.7	19.5	20.7	23.2	25.8
	M	kW	12.0	13.5	15.7	16.7	19.2	21.8
	L	kW	9.7	10.5	13.5	14.2	16.1	17.6
Coil	High Efficient Copper Pipe and Hydrophilic Aluminum Fin							
Fan	Size (Dia.)		Φ476	Φ476	Φ476	Φ530	Φ530	Φ530
	Nos		1	1	1	1	1	1
Power Input		W	152	189	220	265	303	343
Running Current		A	0.78	0.80	1.07	-	-	-
Noise Level		dB(A)	47	50	52	53	54	55
Dimension	Body		825x825x290				960x960x290	
	Panel		980x980x30				1140x1140x30	
Net Weight		Kg	36				52	
Connection Pipe	In		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"
Drain Pipe		mm	26					

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°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.

## Ceiling & Floor FCUs



### Features

- ❖ 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.

### Specifications

Model		FCU-51	FCU-68	FCU-85	FCU-102	FCU-136	FCU-170	FCU-204	FCU-238
		CF2	CF2	CF2	CF2	CF2	CF2	CF2	CF2
Air Flow	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	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	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		
Net Weight	kg	25	28	30	38	40	45		
Inlet/outlet Water	Inch	Rc3/4"							
Draining Pipe	Inch	Rc3/4"							

#### 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°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.

## Wall Mounted FCUs



### Features

- ❖ 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 comfortable sleep.

### Specifications

Model		FCU-34WM	FCU-51WM	FCU-68WM	FCU-85WM	FCU-102WM	FCU-136WM			
Air Flow	H/M/L	m³/h	340/260/180	510/380/260	680/520/340	850/660/430	1020/765/520	1360/1000/800		
Cooling Capacity	H	M	W	H	1800	2700	3600	4500	5400	7200
				M	1476	2214	2952	3690	4428	5904
				L	1098	1647	2196	2745	3294	4392
Water Flow		m³/h	0.31	0.46	0.62	0.77	0.93	0.93		
Water Resistance		kPa	16	18	20	21	22.5	23.5		
Heating Capacity	H	M	W	H	2700	4050	5400	6750	8100	10800
				M	2146	3219	4293	5366	6439	8586
				L	1512	2268	3024	3780	4536	6048
Power Input (H)		W	30	38	45	50	90	100		
Sound Pressure Level (H)		dB(A)	37	39	41	43	45	46		
Max. Working Pressure		MPa	1.6							
Dimension (LxWxH)		mm	850x300x198		970x315x235		1100x330x235			
Net Weight		kg	11.2		14.5		16.5			
Connection	Drain Pipe	Inch	ZG1/2"							
	Water Inlet	Inch	ZG1/2"							
	Water Outlet	Inch	ZG1/2"							

#### 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°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.