

FCU-KM8

8-way blow ceiling mounted cassette



AC fan motor unit for ceiling mounting.
8-way air discharge

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Aesthetic panel design, in ABS material; curved round corners and 3D squares leather pattern which make the panel looks on a high level and can match a variety of decoration styles; digital display on the panel and using the current most popular light transmittance design; the panel and the unit are connected by 4 angle buckles, making installation and maintenance more convenient; 8-way air outlet design can reduce the indoor air supply resistance and send the air to every corners very quickly, which can make the room temperature more uniform and realizing the low-noise operation as well.

Air filter

Synthetic removable and washable

Unit body

Galvanized steel with pre-formed expanded polystyrene air passages

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

Thermoforming high density expanded polystyrene condensate drain pan



Drain pump

850mm head drain pump, with no return valve and float switch

Fan

Centrifugal fan

Control system

Main board, transformer, built-in or built-out electric control box

Optional

Wired wall controller, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (2 pipes)

Model		FCU170	FCU204	FCU238
Air flow	m ³ /h	1700	2040	2380
Total cooling capacity	H	9000	10800	12600
W	M	7110	8532	9954
	L	4860	5832	6804
Sensible cooling capacity	H	7020	8424	9828
W	M	5546	6655	7764
	L	3791	4549	5307
Heating capacity	H	13500	16200	18900
W	M	10800	12960	15120
	L	7155	8586	10017
Water flow rate	m ³ /h	1.548	1.8576	2.1672
Water pressure drop	kPa	35	38	45
Water connection pipe		3/4" (DN20)		
Condensed water pipe		Ø26		
Power Input	W	128	152	198
Shell	Panel	Material/thickness	ABS 4mm	
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate	
	Drain pan	Material/thickness	Polystyrene flame retardant 35kg/m ³	
Fan	Impeller	mm	480	
	Aluminum thickness	mm	0.12	
Coil	Copper pipe	pcs	16	20
	Water circuit		4in/4out	
	L*W*Thickness (before bend) mm		2090*250*43	
Sound pressure	dB(A)	47	49	52
Unit dimension	mm	950*950*320		
Panel dimension	mm	950*950*30		
Hoisting dimension	mm	890*420		
Packing dimension	mm	1000*1000*380		
Net weight	kg	33	34	35
Packing weight	kg	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

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8-way blow ceiling mounted cassette



EC fan motor unit for ceiling mounting.
Continuous air flow regulation and fan speed modulation

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Aesthetic panel design, in ABS material; curved round corners and 3D squares leather pattern which make the panel looks on a high level and can match a variety of decoration styles; digital display on the panel and using the current most popular light transmittance design; the panel and the unit are connected by 4 angle buckles, making installation and maintenance more convenient; 8-way air outlet design can reduce the indoor air supply resistance and send the air to every corners very quickly, which can make the room temperature more uniform and realizing the low-noise operation as well.

Air filter

Synthetic removable and washable

Unit body

Galvanized steel with pre-formed expanded polystyrene air passages

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

Thermoforming high density expanded polystyrene condensate drain pan



Drain pump

850mm head drain pump, with no return valve and float switch

Fan

Centrifugal fan

Control system

Main board, transformer, built-in or built-out electric control box

Optional

Wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (2 pipes)

Model			FCU170		FCU204		FCU238	
Air flow		m³/h	1700		2040		2380	
Total cooling capacity		H	9000		10800		12600	
		M	7110		8532		9954	
W		L	4860		5832		6804	
		H	7020		8424		9828	
Sensible cooling capacity		M	5546		6655		7764	
		L	3791		4549		5307	
Heating capacity		H	13500		16200		18900	
		M	10800		12960		15120	
W		L	7155		8586		10017	
		Water flow rate		m³/h	1.548		1.8576	
Water pressure drop		kPa	35		38		45	
Water connection pipe			3/4" (DN20)					
Condensed water pipe			Ø26					
Power Input		W	128		152		198	
Shell	Panel	Material/thickness	ABS 4mm					
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate					
	Drain pan	Material/thickness	Polystyrene flame retardant 35kg/m3					
Fan	Impeller	mm	480					
	Aluminum thickness	mm	0.12					
Coil	Copper pipe	pcs	16		18		20	
	Water circuit		4in/4out					
	L*W*Thickness (before bend) mm		2090*250*43					
Sound pressure		dB(A)	45		47		50	
Unit dimension		mm	950*950*320					
Panel dimension		mm	950*950*30					
Hoisting dimension		mm	890*420					
Packing dimension		mm	1000*1000*380					
Net weight		kg	33		34		35	
Packing weight		kg	36		37		38	

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

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8-way air discharge

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Design features

Aesthetic panel design, in ABS material; curved round corners and 3D squares leather pattern which make the panel looks on a high level and can match a variety of decoration styles; digital display on the panel and using the current most popular light transmittance design; the panel and the unit are connected by 4 angle buckles, making installation and maintenance more convenient; 8-way air outlet design can reduce the indoor air supply resistance and send the air to every corners very quickly, which can make the room temperature more uniform and realizing the low-noise operation as well.

Air filter

Synthetic removable and washable

Unit body

Galvanized steel with pre-formed expanded polystyrene air passages

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

Thermoforming high density expanded polystyrene condensate drain pan



Drain pump

850mm head drain pump, with no return valve and float switch

Fan

Centrifugal fan

Control system

Main board, transformer, built-in or built-out electric control box

Optional

Wired wall controller, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (4 pipes)

Model			FCU170		FCU204		FCU238	
Air flow		m³/h	1700		2040		2380	
Total cooling capacity		H	4500		5400		6300	
		M	3555		4266		4977	
W		L	2430		2916		3402	
		H	3510		4212		4914	
Sensible cooling capacity		M	2773		3327		3882	
		L	1895		2274		2654	
Heating capacity		H	6750		8100		9450	
		M	5333		6399		7466	
W		L	3645		4374		5103	
		Water flow rate		m³/h	0.774		0.9288	
Water pressure drop		kPa	35		38		45	
Water connection pipe			3/4" (DN20)					
Condensed water pipe			Ø26					
Power Input		W	128		152		198	
Shell	Panel	Material/thickness	ABS 4mm					
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate					
	Drain pan	Material/thickness	Polystyrene flame retardant 35kg/m3					
Fan	Impeller	mm	480					
	Aluminum thickness	mm	0.12					
Coil	Copper pipe	pcs	16		18		20	
	Water circuit		4in/4out					
	L*W*Thickness (before bend) mm		2090*250*43					
Sound pressure		dB(A)	47		49		52	
Unit dimension		mm	950*950*320					
Panel dimension		mm	950*950*30					
Hoisting dimension		mm	890*420					
Packing dimension		mm	1000*1000*380					
Net weight		kg	33		34		35	
Packing weight		kg	36		37		38	

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

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Continuous air flow regulation and fan speed modulation

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Design features

Aesthetic panel design, in ABS material; curved round corners and 3D squares leather pattern which make the panel looks on a high level and can match a variety of decoration styles; digital display on the panel and using the current most popular light transmittance design; the panel and the unit are connected by 4 angle buckles, making installation and maintenance more convenient; 8-way air outlet design can reduce the indoor air supply resistance and send the air to every corners very quickly, which can make the room temperature more uniform and realizing the low-noise operation as well.

Air filter

Synthetic removable and washable

Unit body

Galvanized steel with pre-formed expanded polystyrene air passages

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

Thermoforming high density expanded polystyrene condensate drain pan



Drain pump

850mm head drain pump, with no return valve and float switch

Fan

Centrifugal fan

Control system

Main board, transformer, built-in or built-out electric control box

Optional

Wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (4 pipes)

Model		FCU170	FCU204	FCU238
Air flow	m ³ /h	1700	2040	2380
Total cooling capacity	H	4500	5400	6300
W	M	3555	4266	4977
	L	2430	2916	3402
Sensible cooling capacity	H	3510	4212	4914
W	M	2773	3327	3882
	L	1895	2274	2654
Heating capacity	H	6750	8100	9450
W	M	5333	6399	7466
	L	3645	4374	5103
Water flow rate	m ³ /h	0.774	0.9288	1.0836
Water pressure drop	kPa	35	38	45
Water connection pipe		3/4" (DN20)		
Condensed water pipe		Ø26		
Power Input	W	128	152	198
Shell	Panel	Material/thickness	ABS 4mm	
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate	
	Drain pan	Material/thickness	Polystyrene Flame retardant 35kg/m3	
Fan	Impeller	mm	480	
	Aluminum thickness	mm	0.12	
Coil	Copper pipe	pcs	16	20
	Water circuit		4in/4out	
	L*W*Thickness (before bend) mm		2090*250*43	
Sound pressure	dB(A)	45	47	50
Unit dimension	mm	950*950*320		
Panel dimension	mm	950*950*30		
Hoisting dimension	mm	890*420		
Packing dimension	mm	1000*1000*380		
Net weight	kg	33	34	35
Packing weight	kg	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

FCU-KM4

4-way blow ceiling mounted cassette



AC fan motor unit for ceiling mounting.
4-way air discharge

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar(1.6MPa) air pressure.



Condensate drain pan

In thermoforming high quality density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Drain pump and float switch

850mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Optional

Wired wall controller, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (2 pipes)

Model		FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Air flow	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
Total cooling capacity	H	1800	2700	3600	4500	5400	7200	9000	10800	12600
	M	1422	2133	2844	3555	4266	5688	7110	8532	9954
	L	972	1458	1944	2430	2916	3888	4860	5832	6804
Sensible cooling capacity	H	1404	2106	2808	3510	4212	5616	7020	8424	9828
	M	1109	1664	2218	2773	3327	4437	5546	6655	7764
	L	758	1137	1516	1895	2274	3033	3791	4549	5307
Heating capacity	H	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M	2160	3240	4320	5400	6480	8640	10800	12960	15120
	L	1431	2146.5	2862	3577.5	4293	5724	7155	8586	10017
Water flow rate	m ³ /h	0.3096	0.4644	0.6192	0.774	0.9288	1.2384	1.548	1.8576	2.1672
Water pressure drop	kPa	14	18	22	26	33	34	35	38	45
Water connection pipe		3/4" (DN20)								
Condensed water pipe		Ø26								
Power input	W	50	50	58	72	92	126	128	152	198
Shell	Panel	Material/thickness								
	Metal shell	Material/thickness								
	Drain pan	Material/thickness								
Fan	Impeller	mm								
	Aluminum thickness	mm								
	Copper pipe	pcs								
Coil	Water circuit	3in/3out								
	L*W*Thickness (before bend)	mm								
		1150*200*43								
Noise	dB(A)	37	39	41	43	45	46	47	49	52
Unit dimension	mm	650*650*300								
Panel dimension	mm	650*650*30								
Hoisting dimension	mm	620*250								
Packing dimension	mm	720*720*360								
Net weight	kg	18	19	20	26	27	28	33	34	35
Packing weight	kg	20	21	22	28.5	29.5	30.5	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

FCU-KM4

4-way blow ceiling mounted cassette



EC fan motor unit for ceiling mounting.
Continuous air flow regulation and fan speed modulation

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar(1.6MPa) air pressure.



Condensate drain pan

In thermoforming high quality density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Drain pump and float switch

850mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Optional

Wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (2 pipes)

Model		FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Air flow	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
Total cooling capacity	H	1800	2700	3600	4500	5400	7200	9000	10800	12600
	M	1422	2133	2844	3555	4266	5688	7110	8532	9954
	L	972	1458	1944	2430	2916	3888	4860	5832	6804
Sensible cooling capacity	H	1404	2106	2808	3510	4212	5616	7020	8424	9828
	M	1109	1664	2218	2773	3327	4437	5546	6655	7764
	L	758	1137	1516	1895	2274	3033	3791	4549	5307
Heating capacity	H	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M	2160	3240	4320	5400	6480	8640	10800	12960	15120
	L	1431	2146.5	2862	3577.5	4293	5724	7155	8586	10017
Water flow rate	m ³ /h	0.3096	0.4644	0.6192	0.774	0.9288	1.2384	1.548	1.8576	2.1672
Water pressure drop	kPa	14	18	22	26	33	34	35	38	45
Water connection pipe		3/4" (DN20)								
Condensed water pipe		Ø26								
Power Input	W	50	50	58	72	92	126	128	152	198
Shell	Panel	Material/thickness								
	Metal shell	Material/thickness								
	Drain pan	Material/thickness								
Fan	Impeller	mm								
	Aluminum thickness	mm								
	Copper pipe	pcs								
Coil	Water circuit	3in/3out								
	L*W*Thickness (before bend)	mm								
		1150*200*43								
Noise	dB(A)	35	37	39	41	43	44	45	47	50
Unit dimension	mm	650*650*300								
Panel dimension	mm	650*650*30								
Hoisting dimension	mm	620*250								
Packing dimension	mm	720*720*360								
Net weight	kg	18	19	20	26	27	28	33	34	35
Packing weight	kg	20	21	22	28.5	29.5	30.5	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

4-way blow ceiling mounted cassette



AC fan motor unit for ceiling mounting.
4-way air discharge

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar(1.6MPa) air pressure.



Condensate drain pan

In thermoforming high quality density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Drain pump and float switch

850mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Optional

Wired wall controller, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (4 pipes)

Model		FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Air flow	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
Total cooling capacity	H	900	1350	1800	2250	2700	3600	4500	5400	6300
	M	711	1066.5	1422	1777.5	2133	2844	3555	4266	4977
	L	486	729	972	1215	1458	1944	2430	2916	3402
Sensible cooling capacity	H	702	1053	1404	1755	2106	2808	3510	4212	4914
	M	555	832	1109	1386	1664	2218	2773	3327	3882
	L	379	569	758	948	1137	1516	1895	2274	2654
Heating capacity	H	1350	2025	2700	3375	4050	5400	6750	8100	9450
	M	1067	1600	2133	2666	3200	4266	5333	6399	7466
	L	729	1093.5	1458	1822.5	2187	2916	3645	4374	5103
Water flow rate	m ³ /h	0.1548	0.2322	0.3096	0.387	0.4644	0.6192	0.774	0.9288	1.0836
Water pressure drop	kPa	14	18	22	26	33	34	35	38	45
Water connection pipe		3/4" (DN20)								
Condensed water pipe		Ø26								
Power Input	W	50	50	58	72	92	126	128	152	198
Shell	Panel	Material/thickness								
	Metal shell	Material/thickness								
	Drain pan	Material/thickness								
Fan	Impeller	mm								
	Aluminum thickness	mm								
	Copper pipe	pcs								
Coil	Water circuit	8in/8out								
	L*W*Thickness (before bend)	mm								
		1150*200*43								
Noise level	dB(A)	37	39	41	43	45	46	47	49	52
Unit dimension	mm	650*650*300								
Panel dimension	mm	650*650*30								
Hoisting dimension	mm	620*250								
Packing dimension	mm	720*720*360								
Net weight	kg	18	19	20	26	27	28	33	34	35
Packing weight	kg	20	21	22	28.5	29.5	30.5	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

FCU-KM4

4-way blow ceiling mounted cassette



EC fan motor unit for ceiling mounting.
Continuous air flow regulation and fan speed modulation

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar(1.6MPa) air pressure.



Condensate drain pan

In thermoforming high quality density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Drain pump and float switch

850mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Optional

Wired wall controller, WIFI, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (4 pipes)

Model		FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Air flow	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
Total cooling capacity	H	900	1350	1800	2250	2700	3600	4500	5400	6300
	M	711	1066.5	1422	1777.5	2133	2844	3555	4266	4977
	L	486	729	972	1215	1458	1944	2430	2916	3402
Sensible cooling capacity	H	702	1053	1404	1755	2106	2808	3510	4212	4914
	M	555	832	1109	1386	1664	2218	2773	3327	3882
	L	379	569	758	948	1137	1516	1895	2274	2654
Heating capacity	H	1350	2025	2700	3375	4050	5400	6750	8100	9450
	M	1067	1600	2133	2666	3200	4266	5333	6399	7466
	L	729	1093.5	1458	1822.5	2187	2916	3645	4374	5103
Water flow rate	m ³ /h	0.1548	0.2322	0.3096	0.387	0.4644	0.6192	0.774	0.9288	1.0836
Water pressure drop	kPa	14	18	22	26	33	34	35	38	45
Water connection pipe		3/4" (DN20)								
Condensed water pipe		Ø26								
Power Input	W	50	50	58	72	92	126	128	152	198
Shell	Panel	Material/thickness								
	Metal shell	Material/thickness								
	Drain pan	Material/thickness								
Fan	Impeller	mm								
	Aluminum thickness	mm								
	Copper pipe	pcs								
Coil	Water circuit	8in/8out								
	L*W*Thickness (before bend)	mm								
		1150*200*43								
Noise level	dB(A)	35	37	39	41	43	44	45	47	50
Unit dimension	mm	650*650*300								
Panel dimension	mm	650*650*30								
Hoisting dimension	mm	620*250								
Packing dimension	mm	720*720*360								
Net weight	kg	18	19	20	26	27	28	33	34	35
Packing weight	kg	20	21	22	28.5	29.5	30.5	36	37	38

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

FCU-KM2

2-way blow ceiling mounted cassette



AC fan motor unit for ceiling mounting.
2-way air discharge

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

High efficiency coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 16bar(1.6MPa) air pressure.



Condensate drain pan

In thermoforming high quality density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Drain pump and float switch

850mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Optional

Wired wall controller, RS485 ModBus, master-slave network control, 2-way valve, 3-way valve, electric heater

Performance data (2 pipes)

Model			FCU68	FCU85	FCU102	FCU136
Air flow		m³/h	680	850	1020	1360
Total cooling capacity W		H	3600	4500	5400	7200
		M	2844	3555	4266	5688
		L	1944	2430	2916	3888
Sensible cooling capacity W		H	2808	3510	4212	5616
		M	2218	2773	3327	4437
		L	1516	1895	2274	3033
Heating capacity W		H	5500	6750	8100	10800
		M	4400	5400	6480	8640
		L	2915	3578	4293	5724
Water flow rate		m³/h	0.62	0.776	0.93	1.245
Water pressure drop		kPa	11	13	16	20
Water connection pipe			3/4" (DN20)			
Condensed water pipe			Φ26			
Power Input		W	64	70	85	110
Shell	Panel	Material/thickness	ABS 4mm			
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate			
	Drain pan	Material/thickness	Polystyrene flame retardant 35kg/m3			
Fan	Impeller	mm	φ145*160	φ145*190	φ145*190	φ150*200
Coil	Aluminum thickness	mm	0.12			
	Copper pipe	pcs	18	20	22	24
	Water circuit		3in/3out			
	L*W*Thickness (before bend) mm		893*200*65			
Noise level		dB(A)	42	43	45	46
Unit dimension		mm	1259*680*340			
Panel dimension		mm	1240*680*30			
Hoisting dimension		mm	1172*475			
Packing dimension		mm	1270*730*400			
Net weight		kg	63	64	64.5	65
Packing weight		kg	66	67	67.5	68

Remarks:

1. Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
2. Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
3. Sound pressure level is the test value of the unit running at high speed in an anechoic or semi anechoic chamber, 1 meter below and front of the unit.

FCU-KM2

2-way blow ceiling mounted cassette



EC fan motor unit for ceiling mounting.
Continuous air flow regulation and fan speed modulation

Control system

- Wireless remote controller is standard
- Auto reset, operation mode control; with room sensor & coil sensor
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board

Design features

Suitable for hot/chilled water system, ceiling installation

Unit body

Made of galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Panel assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

Plastic wheel-quiet running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors.

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Water flow rate		m³/h	0.62	0.776	0.93	1.245
Water pressure drop		kPa	11	13	16	20
Water connection pipe			3/4" (DN20)			
Condensed water pipe			Φ26			
Power Input		W	64	70	85	110
Shell	Panel	Material/thickness	ABS 4mm			
	Metal shell	Material/thickness	80g galvanized sheet, 1.2mm base plate, 0.9mm side plate			
	Drain pan	Material/thickness	Polystyrene flame retardant 35kg/m3			
Fan	Impeller	mm	φ145*160	φ145*190	φ145*190	φ150*200
Coil	Aluminum thickness	mm	0.12			
	Copper pipe	pcs	18	20	22	24
	Water circuit		3in/3out			
	L*W*Thickness (before bend) mm		893*200*65			
Noise level		dB(A)	42	43	45	46
Unit dimension		mm	1259*680*340			
Panel dimension		mm	1240*680*30			
Hoisting dimension		mm	1172*475			
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