

Exposed type unit



AC fan motor unit for vertical or ceiling mounting

Design features

Suitable for vertical or ceiling installation; inlet air grills is made of ABS; front air inlet or bottom air inlet (optional)

Air filter

Synthetic removable and washable

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

L-shape, suitable for horizontal/vertical installation

Fan and motor

Centrifugal fan, 3 speed motor

Optional

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



Performance data (2 pipes 3 rows)

Model				FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Performance	Air flow	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
		M		248	394	495	638	788	1095	1275	1575	1850
		L		173	263	330	425	525	730	850	1050	1250
	Cooling capacity	/	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	Heating capacity	/	W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	Water flow	/	L/s	0.1	0.14	0.18	0.21	0.26	0.36	0.42	0.53	0.61
	Water resistance	/	kPa	15	30	23	25	35	40	36	40	50
Sound pressure level	Fan	/	d(B)A	37	39	41	43	45	46	48	50	52
Coil	Type		Aluminium fin with inner threaded copper tube									
	Working pressure		≤1.6MPa									
Motor	Type		Class B insulation, Capacitor startup									
	Qty		1						2			
	Power supply		220V ~ 50Hz									
Fan	Type		Forward low noisy centrifugal fan									
	Qty		1	2					3	4		
Pipe	Water inlet/Outlet size		Rc3/4(internal threaded)									
	Condensing pipe size		R ₂ 3/4(external thread)									
Unit dimensions(L*W*H)			mm	740*235*568	892*235*568	942*235*568	1042*235*568	1192*235*568	1393*235*568	1643*235*568	1844*235*568	2045*235*568
Packing dimensions(L*W*H)			mm	765*245*590	917*245*590	967*245*590	1067*245*590	1217*245*590	1418*245*590	1668*245*590	1869*245*590	2070*245*590
Weight			kg	23	28	31	34	36	42	49	52	58

Remarks:

- Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
- Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
- 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.

Exposed type unit



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

Design features

Suitable for vertical or ceiling installation; inlet air grills is made of ABS; front air inlet or bottom air inlet (optional)

Air filter

Synthetic removable and washable

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

L-shape, suitable for horizontal/vertical installation

Fan and motor

Centrifugal fan, EC motor

Optional

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



Performance data (2 pipes 3 rows)

Model				FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Performance	Air flow	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
		M		248	394	495	638	788	1095	1275	1575	1850
		L		173	263	330	425	525	730	850	1050	1250
	Cooling capacity	/	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	Heating capacity	/	W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	Water flow	/	L/s	0.1	0.14	0.18	0.21	0.26	0.36	0.42	0.53	0.61
	Water resistance	/	kPa	15	30	23	25	35	40	36	40	50
Sound pressure level	Fan	/	d(B)A	37	39	41	43	45	46	48	50	52
Coil	Type		Aluminium fin with inner threaded copper tube									
	Working pressure		≤1.6MPa									
Motor	Type		Class B insulation, Capacitor startup									
	Qty		1						2			
	Power supply		220V ~ 50Hz									
Fan	Type		Forward low noisy centrifugal fan									
	Qty		1	2					3	4		
Pipe	Water inlet/Outlet size		Rc3/4(internal threaded)									
	Condensing pipe size		R ₂ 3/4(external thread)									
Unit dimensions(L*W*H)			mm	740*235*568	892*235*568	942*235*568	1042*235*568	1192*235*568	1393*235*568	1643*235*568	1844*235*568	2045*235*568
Packing dimensions(L*W*H)			mm	765*245*590	917*245*590	967*245*590	1067*245*590	1217*245*590	1418*245*590	1668*245*590	1869*245*590	2070*245*590
Weight			kg	23	28	31	34	36	42	49	52	58

Remarks:

- Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
- Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
- 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.

Exposed type unit



AC fan motor unit for vertical or ceiling mounting

Design features

Suitable for vertical or ceiling installation; inlet air grills is made of ABS; front air inlet or bottom air inlet (optional)

Air filter

Synthetic removable and washable

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

L-shape, suitable for horizontal/vertical installation

Fan and motor

Centrifugal fan, 3 speed motor

Optional

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



Performance data (4 pipes 3+1 rows)

Model				FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Performance	Air flow	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
		M		248	394	495	638	788	1095	1275	1575	1850
		L		173	263	330	425	525	730	850	1050	1250
	Cooling capacity	/	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	Heating capacity	/	W	1350	2000	2500	3150	3650	5000	6000	7100	8000
	Water flow	/	L/s	0.1	0.14	0.18	0.21	0.26	0.36	0.42	0.53	0.61
	Water resistance	/	kPa	15	30	23	25	35	40	36	40	50
Sound pressure level	Fan	/	d(B)A	37	39	41	43	45	46	48	50	52
Coil	Type			Aluminium fin with inner threaded copper tube								
	Working pressure			≤1.6MPa								
Motor	Type			Class B insulation, Capacitor startup								
	Qty			1					2			
	Power supply			220V ~ 50Hz								
Fan	Type			Forward low noisy centrifugal fan								
	Qty			1	2				3	4		
Pipe	Water inlet/Outlet size			Rc3/4(internal threaded)								
	Condensing pipe size			R ₂ 3/4(external thread)								
Unit dimensions(L*W*H)			mm	740*235*568	892*235*568	942*235*568	1042*235*568	1192*235*568	1393*235*568	1643*235*568	1844*235*568	2045*235*568
Packing dimensions(L*W*H)			mm	765*245*590	917*245*590	967*245*590	1067*245*590	1217*245*590	1418*245*590	1668*245*590	1869*245*590	2070*245*590
Weight			kg	23	28	31	34	36	42	49	52	58

Remarks:

- Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
- Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
- 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.

Exposed type unit



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

Design features

Suitable for vertical or ceiling installation; inlet air grills is made of ABS; front air inlet or bottom air inlet (optional)

Air filter

Synthetic removable and washable

Heat exchanger

Copper tube and hydrophilic AL fins with air vent valve

Drain pan

L-shape, suitable for horizontal/vertical installation

Fan and motor

Centrifugal fan, EC motor

Optional

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



Performance data (4 pipes 3+1 rows)

Model				FCU34	FCU51	FCU68	FCU85	FCU102	FCU136	FCU170	FCU204	FCU238
Performance	Air flow	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
		M		248	394	495	638	788	1095	1275	1575	1850
		L		173	263	330	425	525	730	850	1050	1250
	Cooling capacity	/	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	Heating capacity	/	W	1350	2000	2500	3150	3650	5000	6000	7100	8000
	Water flow	/	L/s	0.1	0.14	0.18	0.21	0.26	0.36	0.42	0.53	0.61
	Water resistance	/	kPa	15	30	23	25	35	40	36	40	50
Sound pressure level	Fan	/	d(B)A	37	39	41	43	45	46	48	50	52
Coil	Type			Aluminium fin with inner threaded copper tube								
	Working pressure			≤1.6MPa								
Motor	Type			Class B insulation, Capacitor startup								
	Qty			1					2			
	Power supply			220V ~ 50Hz								
Fan	Type			Forward low noisy centrifugal fan								
	Qty			1	2				3	4		
Pipe	Water inlet/Outlet size			Rc3/4(internal threaded)								
	Condensing pipe size			R ₂ 3/4(external thread)								
Unit dimensions(L*W*H)			mm	740*235*568	892*235*568	942*235*568	1042*235*568	1192*235*568	1393*235*568	1643*235*568	1844*235*568	2045*235*568
Packing dimensions(L*W*H)			mm	765*245*590	917*245*590	967*245*590	1067*245*590	1217*245*590	1418*245*590	1668*245*590	1869*245*590	2070*245*590
Weight			kg	23	28	31	34	36	42	49	52	58

Remarks:

- Cooling: inlet air temp. DB27°C/WB19.5°C, water inlet/outlet temp. 7°C/12°C.
- Heating: inlet air temp. DB21°C, water inlet temp. 60°C; same water flow rate as for the cooling.
- 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.