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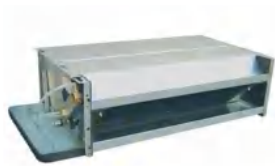
OAK CLIMATE

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Central A/C Line

PRODUCTS LINEUP

Fan Coil



Ceiling Concealed



Vertical Concealed



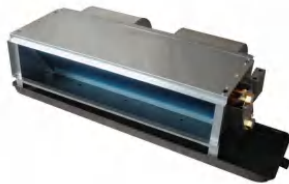
Ceiling Exposed



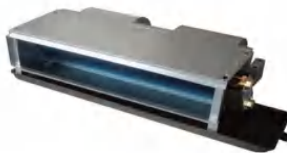
Vertical Exposed



Ultra Thin



Large Drain Pan



Ultra-Thin Large Drain Pan



Large Air Flow and High Static Pressure



Vertical Exposed Ultra Thin



Ceiling Concealed Ultra Thin



Vertical Exposed Ultra Thin Glass - Black



Vertical Exposed Ultra Thin Glass - White



Wall Mounted



1-Way Cassette



4-Way Cassette

Air Handling Unit



Ceiling Type AHU



Horizontal Type AHU



Vertical Type AHU



Modular Type AHU

Chiller



Air Cooled Modular Chiller-Series A



Air Cooled Modular Chiller-Series B



Air Cooled Screw Chiller



Water Cooled Screw Chiller



Centrifugal Chiller

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CHILLER PRODUCTS

AIR COOLED CHILLER

Air Cooled Chillers include Air Cooled Modular Chiller and Air Cooled Screw Chiller.

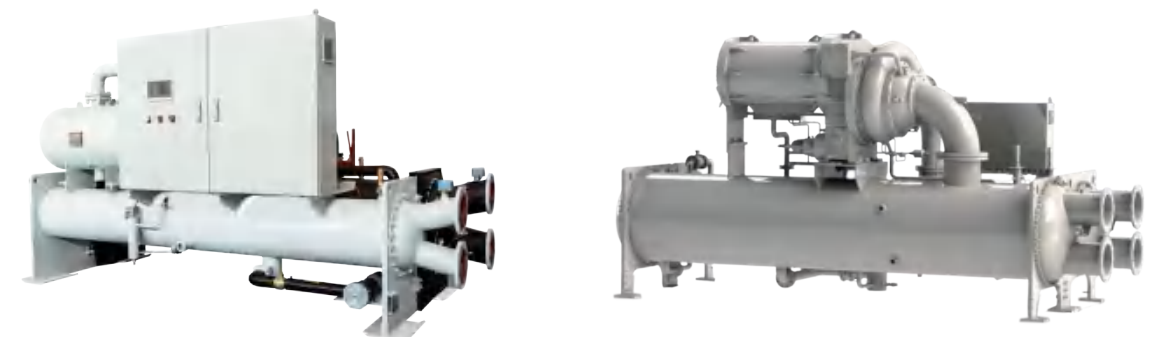
Air Cooled Modular Chiller was launched based on abundant technical & practical experience; It is widely installed in hotels, supermarkets, office buildings, airports, stadiums etc. High system stability and reliability ensure the lowest maintenance cost which justified the product to be the most cost effective solution as combination of equipment cost, operation cost and maintenance cost. Moreover, modular design makes the transportation and installation much easier.

Air Cooled Screw Chiller is a compact, reliable and environment-friendly chiller system. Capacity ranges is from 350kW to 1206kW and available in normal refrigerant R134a . The system is widely used in middle-large commercial applications.

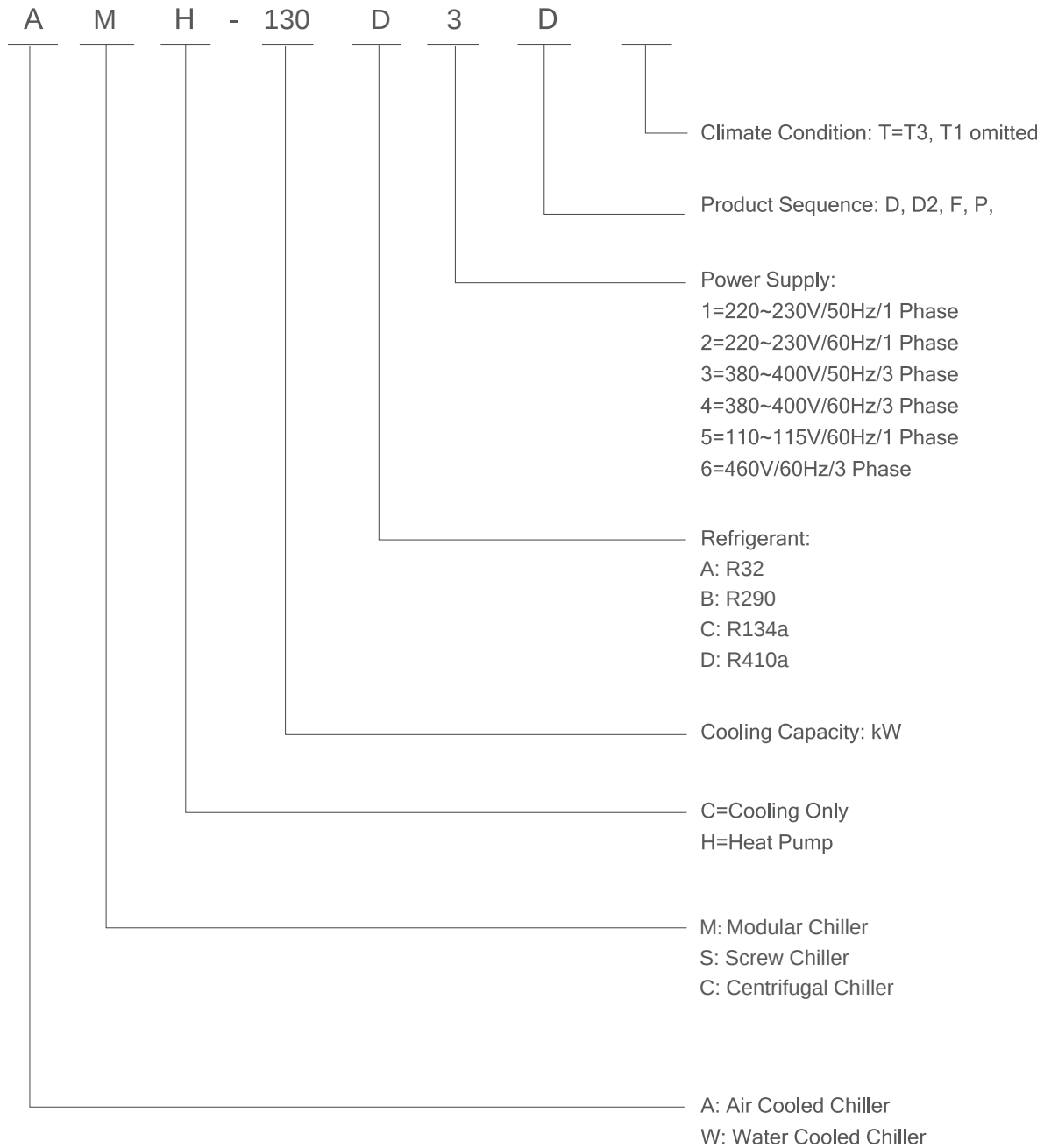


WATER COOLED CHILLER

We developed our own water cooled screw chiller based on German advanced technology. It can provide both cold water for central AC application and freezing water for industrial application. It is widely applied in hospital, hotel, commercial building, mining industry, chemical plant, etc.



HOW TO READ THE MODELS



AIR COOLED MODULAR CHILLER - SERIES A



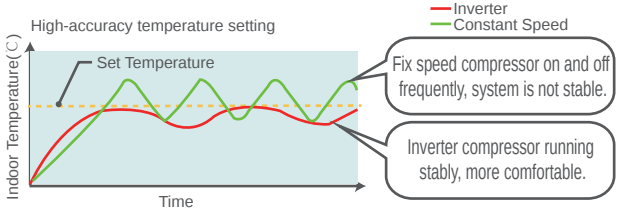
Cooling only & Heat pump
Standard type: 33/65/130/260 kW
EVI Series type: 33/65/75/130/150 kW
Inverter type: 40/80/160 kW

Features and benefits

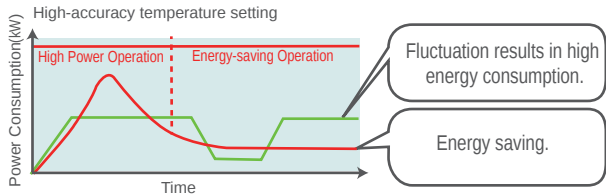
Energy Saving (Inverter)



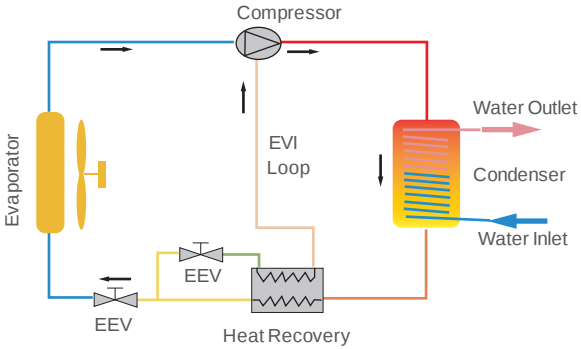
DC Fan



DC Inverter Compressor

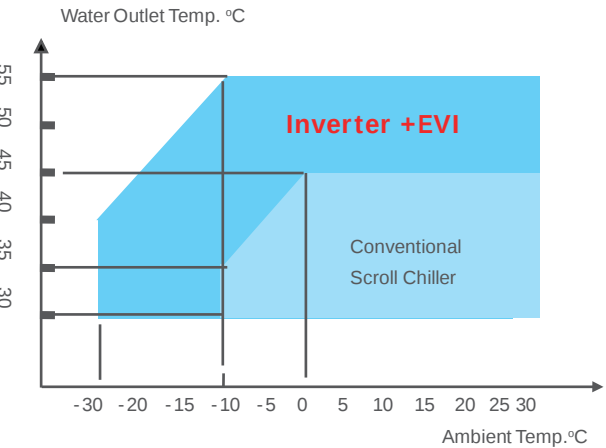


High Efficiency



- High efficiency EVI increases the delta enthalpy of compressor.
- EEV precise control increases 20% heating capacity and make the unit running more stably.
- EER is greatly increased due to degree of supercooling increasing.

Low Temp. Heating (EVI)

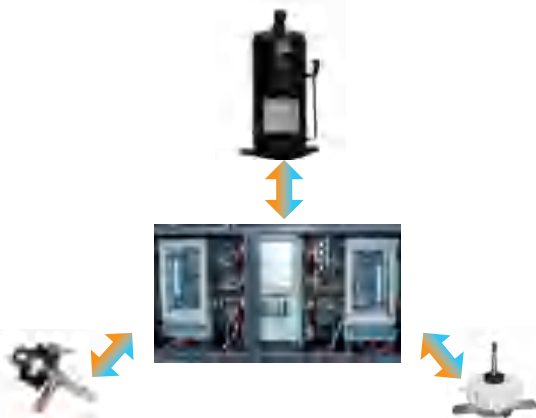


- Full DC inverter technology + EVI make the unit running temp. range wider, The chiller can still work stably in heating when the ambient temp. is -30°C.

Intelligent Defrost Control



- Special design in air discharge makes it possible that the heating and defrosting is separate with each to avoid any conflicts.



- Dynamic defrost technology: the compressor and fan frequency will be automatically adjusted according to load changing.
- Low energy consumption defrost: None stop defrost + EEV auto adjustment + compressor inverter adjustment.
- Wrong defrost correction: Judge by fan running current.

Reliable Components



Panasonic high efficiency magnetic motor, efficiency can reach up to 93%



Top branded four way valve, flexible switching between cooling & heating



Hitachi DC compressor
High efficiency and more reliable

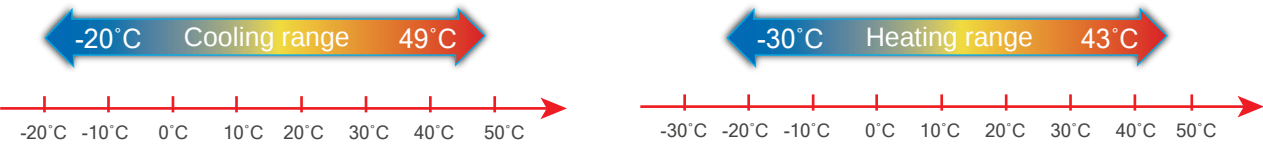


Twin 500 steps highly precious control EEV



Self innovated electrical control box, smarter and user friendly

Wide Operation Range



Specification

			Standard type			
Model			AMH(C)-035D3D	AMH(C)-065D3D	AMH(C)-130D3D	AMH(C)-260D3D
Nominal Cooling	Capacity	kW	33	65	130	260
	Power Input	kW	10.5	20.2	40.5	83.5
	EER	—	3.14	3.22	3.22	3.11
Nominal Heating	Capacity	kW	35	70	140	280
	Power Input	kW	10.6	20.9	41	86.8
	COP	—	3.30	3.35	3.41	3.23
Max. Run Current			A	31.5	63	126
Max. Start Current			A	151	182.5	245.5
Control Type			—	1-step 100%	2-step 50%-100%	4-step 25%-100%
Compressor	Type	—	Scroll Type			
	QTY.	EA	1	2	4	4
Condenser	Fan Volume Rate	m³/h	12500	25000	50000	112000
	Fan Type	—	Axial Fan Motor + Special Blade			
	Fan Power Input	kW	0.9	1.8	3	7.2
Evaporator	Fan QTY.	EA	1	2	2	4
	Type	—	Shell & Tube Type			
	Pressure	MPa	1			
	Water Flow	m³/h	5.7	11.2	22.4	44.8
Pipe Diameter			—	40	50	65
Water Resistance			kPa	50	50	60
Working Range			—	Ambient Temp.: Cooling 5~48℃/Heating -15~25℃		
Protections			—	High/low pressure, water breakout, anti-frozen, overheat, phase sequence, discharge temp., etc.		
Net Dimension	L	mm	1170	2288	2296	2300
	W	mm	1005	955	1176	2300
	H	mm	1860	1860	2375	2461
Net Weight			kg	300	560	1060

Note:
All the above data is measured base on the following working condition:
1. Cooling mode: chilled water inlet/outlet: 12℃ / 7℃, and outdoor ambient temp. 35℃ DB.
2. Heating mode: hot water inlet/outlet: 40℃ / 45℃, outdoor dry-bulb temperature of 7℃, outdoor web-bulb temperature of 6℃.

EVI type

Model			AMH-035D3L	AMH-065D3L	AMH-080D3L	AMH-130D3L	AMH-160D3L
Nominal Cooling	Capacity	kW	33	65	75	130	150
	Power Input	kW	10.5	20.2	23.3	40.5	46.7
	EER	—	3.14	3.22	3.22	3.23	3.22
Nominal Heating	Capacity	kW	35	70	80	140	160
	Power Input	kW	10.6	20.9	23.5	41	47
	COP	—	3.30	3.35	3.40	3.41	3.40
Max. Run Current		A	30	60	66	116	132
Max. Start Current		A	121	151	154	211	220
Control Type		—	1-step 100%	2-step 50%-100%	2-step 50%-100%	4-step 25%-100%	4-step 25%-100%
Compressor	Type	—	Scroll Type				
	QTY.	EA	1	2	2	4	4
Condenser	Fan Volume Rate	m³/h	13000	26000	26000	50000	50000
	Fan Type	—	Axial Fan Motor + Special Blade				
	Fan Power Input	kW	0.75	1.5	1.5	3	3
	Fan QTY.	EA	1	2	2	2	2
Evaporator	Type	—	Shell & Tube Type				
	Pressure	MPa	1				
	Water Flow	m³/h	5.7	11.2	13.0	22.4	26.0
	Pipe Diameter	—	40	50	65	65	65
	Water Resistance	kPa	50	50	60	60	60
Working Range		—	Ambient Temp.: Cooling 5~48℃/Heating -30~25℃ Water Outlet Temp: Cooling 5~25℃/Heating 23~55℃				
Protections		—	High/low pressure, water breakout, anti-frozen, overheat, phase sequence, discharge temp., etc.				
Net Dimension	L	mm	1170	2288	2288	2296	2296
	W	mm	1005	955	955	1176	1176
	H	mm	1860	1860	1860	2375	2375
Net Weight		kg	300	560	585	1060	1110

Note:
1. Nominal Cooling Working Condition: Water Outlet temp. 7℃, ambient temp. 35℃;
2. Nominal Heating Working Condition: Water Outlet temp. 45℃, ambient temp. 7℃ DB, 6℃ WB;
3. Low Temp. Heating Working Condition: Water Outlet temp. 41℃, ambient temp. -12℃ DB, -14℃ WB;
4. Super Low Temp. Heating Working Condition: Water Outlet temp. 41℃, ambient temp. -20℃ DB.

Inverter type

Model			AMH(C)-040D3V	AMH(C)-080D3V	AMH(C)-160D3V
Nominal Cooling	Capacity	kW	40	80	160
	Power Input	kW	12.3	24.5	49.5
	EER	—	3.25	3.27	3.27
Nominal Heating	Capacity	kW	45	90	180
	Power Input	kW	12.9	26	51.5
	COP	—	3.49	3.46	3.5
Max. Run Current		A	35	70	140
Max. Start Current		A	10	45	115
Control Type		—	30%~100%	20%-100%	10%-100%
Compressor	Type	—	Inverter Type		
	QTY.	EA	1	2	4
Condenser	Fan Volume Rate	m³/h	13000	26000	52000
	Fan Type	—	DC Inverter Fan		
	Fan Power Input	kW	0.75	1.5	3
	Fan QTY.	EA	1	2	4
Evaporator	Type	—	Shell & Tube Type		
	Pressure	MPa	1		
	Water Flow	m³/h	6.9	13.8	27.5
	Pipe Diameter	—	40	65	80
	Water Resistance	kPa	42	50	50
Working Range		—	Ambient Temp.: Cooling -10~48℃/Heating -35~25℃ Water Outlet Temp: Cooling 5~25℃/Heating 23~55℃		
Net Dimension	L	mm	1170	2285	2322
	W	mm	1005	955	2030
	H	mm	1900	1900	1900
Net Weight		kg	300	645	1200

Note:
1. Nominal Cooling Working Condition: Water Outlet temp. 7℃, ambient temp. 35℃;
2. Nominal Heating Working Condition: Water Outlet temp. 45℃, ambient temp. 7℃ DB, 6℃ WB;
3. Low Temp. Heating Working Condition: Water Outlet temp. 41℃, ambient temp. -12℃ DB, -14℃ WB;
4. Super Low Temp. Heating Working Condition: Water Outlet temp. 41℃, ambient temp. -20℃ DB.

AIR COOLED MODULAR CHILLER - SERIES B



Cooling only & Heat pump
Basic Model: 220/330/440 kW
Model combination: 550-5280 kW
Max. 48 compressors can be combined in one system

Features and benefits

Hermetic scroll compressor

Reliable famous branded scroll type compressor, low noise level, low vibration, in-built motor protection for more safety, each compressor is equipped with oil heat belt.



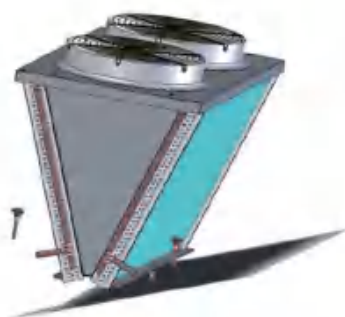
EEV

The EEV is with many good features such as stable flow, double direction flow, quick response, automatic adjustment on flow volume and overheat control, etc., the EEV is very flexible and with low failure rate, stable and reliable.



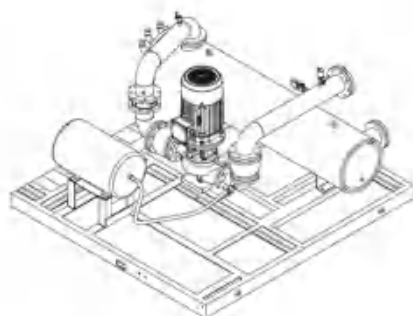
Air cooled condenser

V shape design with big dip angle, perfectly match with air flow direction to increase air exchange rate. Inner grooved & patent sawtooth design and hydrophilic aluminum fin guarantee efficient heat exchange between the air side exchanger and ambient air. Special design on the fan structure well increases the air flow rate and decreases the noise level.



In-built hydraulic module (Optional)

For single unit installation, the chiller is optional to be equipped with a hydraulic module inside so that the installation becomes very easy for installers. Besides, the water pump in hydraulic module is with three options on its head including low/standard/high lift.

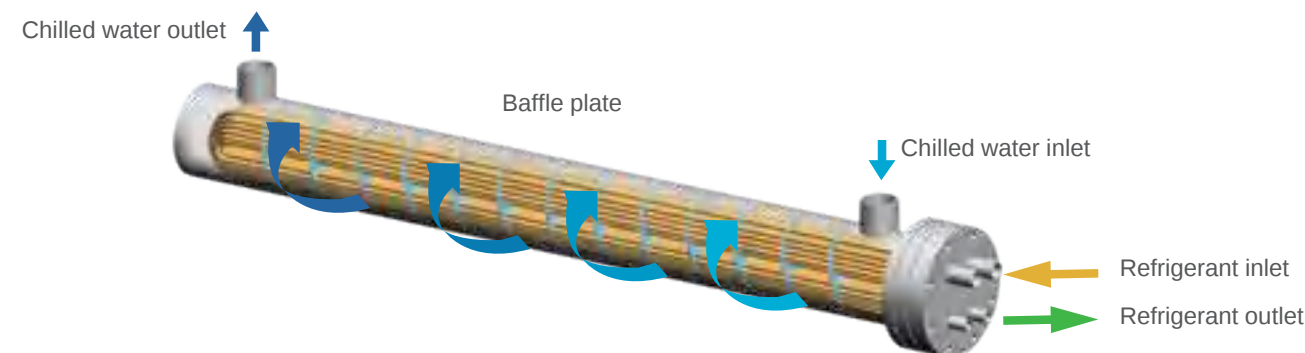


Modular combination

Theoretically there can be max. 48 PCS of compressors combination to be controlled in one system, which means one big chiller system cooling capacity can reach max. 5,280 kW.

High efficiency water side heat exchanger

- The optimized design of simulation flow path and baffle plate are adopted to enhance heat transfer efficiency.
- The efficiency of the heat exchanger is increased by 10% compared with that of ordinary shell and tube heat exchanger.

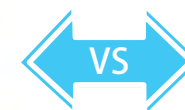


High efficiency water side heat exchanger

- Annular air inlet structure, face area of heat exchanger increases by 30%.
- Arc window structure hydrophilic aluminum fins, reduce pressure loss.
- High efficiency inner-threaded copper pipes greatly enhance heat exchange.
- The distribution method and the use of simulation flow optimization design, greatly improved heat exchange efficiency.



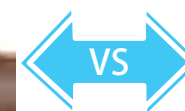
Common fin



Low pressure loss fin



Common smooth pipe



Inner-threaded copper pipe

Specification

Basic model

Model			AMH-220D3D	AMH-330D3D	AMH-440D3D
Cooling capacity		kW	220	330	440
Power consumption	Cooling	kW	67.5	101.5	135.5
Heating capacity		kW	238	357	475
Power consumption	Heating	kW	69.4	104.2	138.9
Operating current	Operating current	A	122	182	243
Max operating current	Max operating current	A	185	275	370
Starting current	Starting current	A	450	550	640
Capacity control	Capacity control	%	2-Step capacity control(100,50)	3-Step capacity control(100,66,33)	4-Step capacity control(100,75,50,25)
Power supply	Power supply		380~400V/3Ph/50Hz		
Compressor	Quantity	Set	2	3	4
	Type	/	Hermetic scroll compressor		
	Starting method	/	Direct on line start(DOL)		
Refrigerant	Control method	/	EEV		
	Type	/	R410A		
Evaporator	Type	/	Shell & tube heat exchanger		
	Pipe connection type	/	Flange		
	Pipe size	DN	DN80	DN100	DN125
	Water flow rate	m³/h	38.0	56.8	75.8
	Psure drop	kPa	40.0	40.0	40.0
Fan	Blow Direction	/	Blowing upwards		
	Insulation class	/	Class F		
	Quantity	Set	4	6	8
Water system module(Optional)			Water pump,Safety valve,Expansion tank,Pressure gauge, Flexible coupling,Check valve,Exhaust valve		
Type		/	Single-stage piping circulation pump		
Quantity		Set	1	1	1
Low lift	Power consumption	kW	4.0	5.5	7.5
	Head of delivery (Under nominal flow)	m	17	16	17
Standard lift	Power consumption	kW	5.5	11.0	15.0
	Head of delivery (Under nominal flow)	m	20	22	24
High lift	Power consumption	kW	5.5	11.0	15.0
	Head of delivery (Under nominal flow)	m	25	29	30
Expansion tank volume		L	50	50	80
Water pipe diameter		DN	DN80	DN100	DN125
Dimensions	Length	mm	2200	3300	4400
	Width	mm	2250	2250	2250
	Height	mm	2450	2450	2450
Net weight		kg	1900	2900	3900
Operating weight		kg	2400	3400	4400

Note:
1. Cooling nominal working condition:cold water outlet temperature 7℃, water flow 0.172m/h kW), ambient temperature 35℃ DB.
2. Heating nominal working condition:hot water outlet temperature 45℃, water flow 0.172m/(h.kw), ambient temperature 7℃ DB, 6℃ WB.

Model combination

Model			AMH-550D3D	AMH-660D3D	AMH-770D3D	AMH-880D3D
Cooling capacity		kW	550	660	770	880
Power consumption	Cooling	kW	169.2	203.0	236.8	270.7
Heating capacity		kW	594	713	832	951
Power consumption	Heating	kW	173.6	208.3	243.0	277.8
Operating current	Operating current	A	302	363	423	467
Max operating current	Max operating current	A	460	555	645	740
Starting current	Starting current	A	734	827	919	1012
Capacity control	Capacity control	%	5-Step capacity control (100~20)	6-Step capacity control (100~17)	7-Step capacity control (100~14)	8-Step capacity control (100~12.5)
Power supply	Power supply	/	380~400V/3Ph/50Hz			
Compressor	Quantity	Set	5	6	7	8
	Type	/	Hermetic scroll compressor			
	Starting method	/	Direct on line start(DOL)			
Refrigerant	Control method	/	EEV			
	Type	/	R410A			
Evaporator	Type	/	Shell & tube heat exchanger			
	Pipe connection type	/	Flange			
	Pipe size	DN	DN80+DN100	DN100*2	DN100+DN125	DN125*2
	Water flow rate	m³/h	94.7	113.6	132.6	151.5
	Psure drop	kPa	40.0	40.0	40.0	40.0
Fan	Blow Direction	/	Blowing upwards			
	Insulation class	/	Class F			
	Quantity	Set	10	12	14	16
Dimensions	Length	mm	5500	6600	7700	8800
	Width	mm	2250	2250	2250	2250
	Height	mm	2450	2450	2450	2450
Net weight		kg	4800	5800	680	7800
Operating weight		kg	5000	6000	7000	8000

Model			AMH-990D3D	AMH-1100D3D	AMH-1210D3D	AMH-1320D3D
Cooling capacity		kW	990	1100	1210	1320
Power consumption	Cooling	kW	304.5	338.4	372.2	406.0
Heating capacity		kW	1070	1189	1307	1426
Power consumption	Heating	kW	312.5	347.2	381.9	416.6
Operating current	Operating current	A	544	605	665	701
Max operating current	Max operating current	A	830	925	1015	1110
Starting current	Starting current	A	1104	1197	1289	1382
Capacity control	Capacity control	%	5-Step capacity control (100~11)	5-Step capacity control (100~10)	5-Step capacity control (100~9)	5-Step capacity control (100~8)
Power supply	Power supply	/	380~400V/3Ph/50Hz			
Compressor	Quantity	Set	9	10	11	12
	Type	/	Hermetic scroll compressor			
	Starting method	/	Direct on line start(DOL)			
Refrigerant	Control method	/	EEV			
	Type	/	R410A			
Evaporator	Type	/	Shell & tube heat exchanger			
	Pipe connection type	/	Flange			
	Pipe size	DN	DN100*3	DN125*2+DN80	DN125*2+DN100	DN125*3
	Water flow rate	m³/h	170.3			
	Psure drop	kPa	40.0	40.0	40.0	40.0
Fan	Blow Direction	/	Blowing upwards			
	Insulation class	/	Class F			
	Quantity	Set	18	20	22	24
Dimensions	Length	mm	9900	11000	12100	13200
	Width	mm	2250	2250	2250	2250
	Height	mm	2450	2450	2450	2450
Net weight		kg	8700	9700	10700	11700
Operating weight		kg	9000	10000	11000	12000

AIR COOLED SCREW CHILLER



Cooling only
Standard type: 350-1127 kW
Free cooling type: 402-1206 kW

Features and benefits

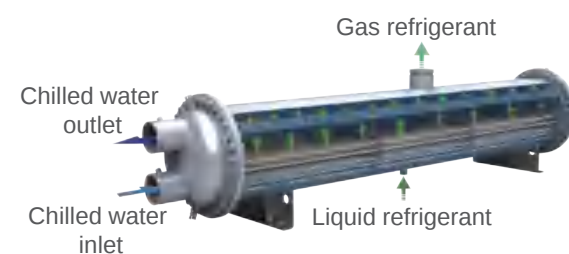
High efficiency screw compressor

- The screw rotor adopts the optimized compression process profile design, not only ensures excellent volume efficiency, but also reduces the leakage of the compressor. The twin screw rotor adopts five teeth to six teeth asymmetrical design, the machining accuracy is as high as micron level, stable and reliable.
- Refrigerant-cooled large capacity motor design, high motor efficiency. The screw rotor is driven by motor directly, less moving parts and wearing parts, high mechanical efficiency.
- Compressor adopts high efficiency bearing, high load resistance design, proprietary reverse bearing and balance axial thrust balance drum design, can effectively prolong the service life of the compressor and ensure the continuous operation of the chiller ≥ 50000 hours.
- The new protection module provides complete electrical protection for reverse and lose phases, and provides real-time temperature detection of motor winding and discharge temperature detection, and has the function of fault self-locking to ensure the safety of compressor operation.



High efficiency flooded evaporator

- The refrigerant distributor can distribute refrigerant evenly, optimize the temperature field and improve the evaporation temperature, so as to improve the operating efficiency.
- Specially designed baffle plate to avoid the compressor suction with liquid, improving the reliability of the unit.
- The water box at both ends can be disassembled to facilitate maintenance.



Reliable and easy installation

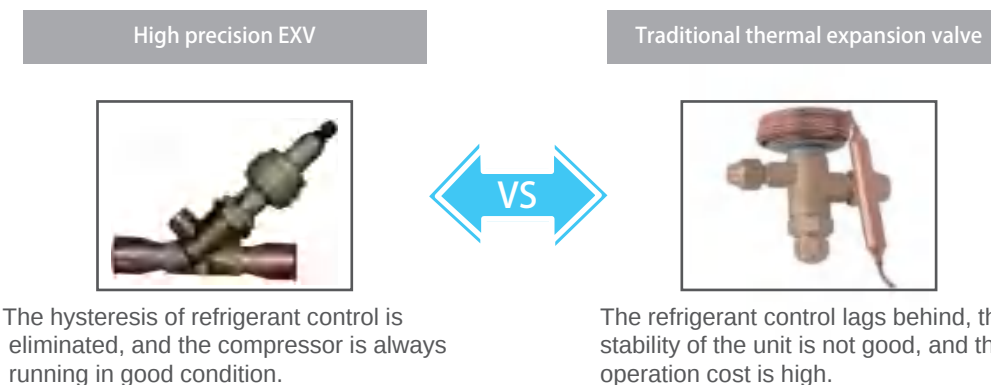
- Modular design, maximum 8 units can be combined.
- Each unit adopts 1 or 2 compressors and each compressor is equipped with an independent refrigeration circuit.
- The compressors of the 2-circuit unit can be used as backup for each other. The running time of each compressor of a 2-circuit unit and each unit in a whole system can both be balanced and the service life of the whole system is extended.
- No need for a dedicated equipment room or purchase cooling tower and other accessories.

Eco-friendly

R134a refrigerant has zero ozone depletion potential and has no elimination cycle for now. The refrigerant complies with the Montreal Protocol.

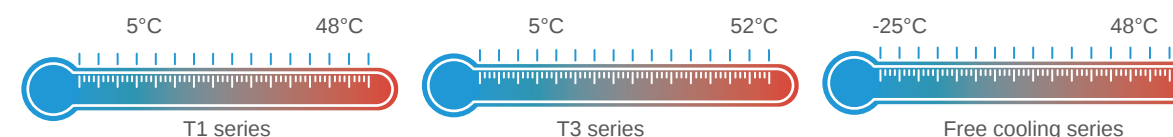
High precision EXV

- The unit adopts electronic expansion valve to control the refrigerant flow accurately, which has fast response speed and quick adjustment, greatly improves the energy saving and stability of the unit and reduces the operation cost.
- Autonomous control to ensure accurate linkage between electronic expansion valve and unit.



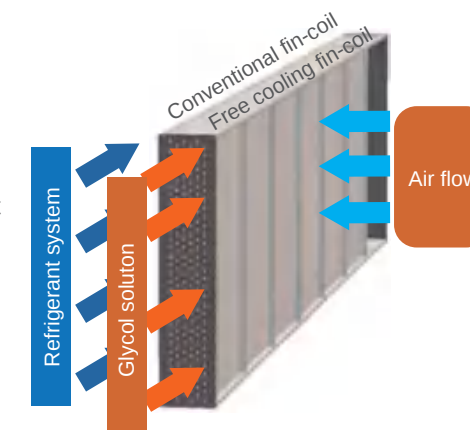
Wide ambient temperature range

The unit can operate stably under extreme conditions, ranging from -25°C to 52°C .



Free cooling solutions

- For industrial or civil applications where cooling capacity required is stable in any outdoor condition and it is not effected by outdoor temperature, using solutions that exploit low outdoor temperatures for supplying cooling capacity for free is strongly suggested.
- When the outdoor temperature is lower than the temperature of the system's return water, the free cooling system recovers cold from the external environment and reduces the operation of the compressors until they stop completely.
- Solution is: Built-in free cooling heat exchanger, less space; Free cooling and compressor refrigeration sharing a set of fans, energy saving and easy maintenance.



Three operating modes



Specification

Standard type

Model			ASC-350C3F2	ASC-470C3F2	ASC-550C3F2	ASC-620C3F2
Nominal parameter	Cooling capacity	kW	350	470	550	620
	Power input	kW	109.4	146.4	170.8	192.5
	Cooling COP	kW/kW	3.2	3.2	3.2	3.2
Compressor	Type	/	Semi-hermetic twin-rotor screw compressor			
	Quantity	/	1	1	1	1
Energy regulation mode		/	Stepless control (Single compressor 25%-100% , Dual compressor 12.5%-100%)			
Refrigerant	Type	/	R134a			
	Charge amount	kg	105	125	175	186
Power supply		/	380~400V/3Ph/50Hz			
Rated current		A	183	244	285	321
Max. operating current		A	273	365	405	449
Air side heat exchanger	Type	/	Fin-coil			
	No. of fan	/	6	8	8	10
	Motor power input	kW	2.3			
Water side heat exchanger	Type	/	Shell and Tube			
	Water flow	m³/h	60.2	80.8	94.6	106.6
	Water side pressure drop	kPa	46	46	68	70
	Water pipe connection	mm	DN150	DN150	DN150	DN150
	Max. working pressure	MPa	1	1	1	1
Unit dimensions	Length	mm	3820	5040	5040	6260
	Width	mm	2250	2250	2250	2250
	Height	mm	2510	2510	2510	2510
Unit weight		kg	3750	4450	5430	5900
Operating weight		kg	3900	4530	5510	6200

Model			ASC-715C3F2	ASC-820C3F2	ASC-950C3F2	ASC-1127C3F2
Nominal parameter	Cooling capacity	kW	715	820	950	1127
	Power input	kW	222.7	256.3	296.0	350.0
	Cooling COP	kW/kW	3.2	3.2	3.2	3.2
Compressor	Type	/	Semi-hermetic twin-rotor screw compressor			
	Quantity	/	1	1	2	2
Energy regulation mode		/	Stepless control (Single compressor 25%-100% , Dual compressor 12.5%-100%)			
Refrigerant	Type	/	R134a			
	Charge amount	kg	200	220	2×150	2×175
Power supply		/	380~400V/3Ph/50Hz			
Rated current		A	372	428	494	584
Max. operating current		A	475	505	715	796
Air side heat exchanger	Type	/	Fin-coil			
	No. of fan	/	12	14	16	18
	Motor power input	kW	2.3			
Water side heat exchanger	Type	/	Shell and Tube			
	Water flow	m³/h	123.0	141.0	163.4	193.8
	Water side pressure drop	kPa	72	72	65	70
	Water pipe connection	mm	DN150	DN200	DN200	DN200
	Max. working pressure	MPa	1	1	1	1
Unit dimensions	Length	mm	7490	8710	9930	11150
	Width	mm	2250	2250	2250	2250
	Height	mm	2510	2510	2510	2510
Unit weight		kg	6080	7650	9350	11200
Operating weight		kg	6390	7820	9580	11490

Free cooling type

Model			ASC-402C3F5	ASC-496C3F5	ASC-600C3F5	ASC-700C3F5
Nominal parameter	Cooling capacity	kW	402	496	600	700
	Power input	kW	124.5	154.0	185.2	218.1
	Cooling COP	kW/kW	3.23	3.22	3.24	3.21
	IPLV	kW/kW	4.82	4.76	4.82	4.79
Free cooling parameter	Cooling capacity	kW	402	496	600	700
	Power input	kW	20	20	30	30
	COP	kW/kW	20.1	24.8	20	23.3
Ambient temperature of free cooling		℃	0.11	-0.19	0.32	0.15
Free cooling heat exchange temperature difference		℃	6.89	7.19	6.68	6.85
Compressor	Type	/	Semi-hermetic twin-rotor screw compressor			
	Quantity	/	1	1	1	1
Energy regulation mode		/	Stepless control (Single compressor 25%-100% , Dual compressor 12.5%-100%)			
Refrigerant	Type	/	R134a			
	Charge amount	kg	130	150	175	186
Power supply		/	380~400V/3Ph/50Hz			
Rated current		A	224.00	270.00	333.70	367.05
Max. operating current		A	283	366	396	438
Air side heat exchanger	Type	/	Fin-coil			
	No. of fan	/	8	8	12	12
	Motor power input	kW	2.5			
Water side heat exchanger	Type	/	Shell and Tube			
	Water flow	m³/h	69.14	85.31	103.20	120.40
	Water side pressure drop	kPa	46	42	55	58
	Pressure drop (free cooling is on)	kPa	109	121	113	140
	Water pipe connection	mm	DN150	DN150	DN150	DN150
	Max. working pressure	MPa	1			
Unit dimensions	Length	mm	5040	5040	8710	8710
	Width	mm	2250	2250	2250	2250
	Height	mm	2510	2510	2510	2510
Unit weight		kg	5300	5860	6780	7470
Operating weight		kg	5450	5980	7070	7890

Model			ASC-800C3F5	ASC-998C3F5	ASC-1206C3F5
Nominal parameter	Cooling capacity	kW	800	998	1206
	Power input	kW	244.6	309.0	369.9
	Cooling COP	kW/kW	3.27	3.23	3.26
	IPLV	kW/kW	4.82	4.76	4.81
Free cooling parameter	Cooling capacity	kW	800	998	1206
	Power input	kW	40	40	45
	COP	kW/kW	20	24.95	26.8
Ambient temperature of free cooling		℃	0.1	-0.16	-0.38
Free cooling heat exchange temperature difference		℃	6.9	7.16	7.38
Compressor	Type	/	Semi-hermetic twin-rotor screw compressor		
	Quantity	/	1	2	2
Energy regulation mode		/	Stepless control (Single compressor 25%-100% , Dual compressor 12.5%-100%)		
Refrigerant	Type	/	R134a		
	Charge amount	kg	200	2×150	2×175
Power supply		/	380~400V/3Ph/50Hz		
Rated current		A	460.65	540.00	637.40
Max. operating current		A	551	732	762
Air side heat exchanger	Type	/	Fin-coil		
	No. of fan	/	16	16	18
	Motor power input	kW	2.5		
Water side heat exchanger	Type	/	Shell and Tube		
	Water flow	m³/h	137.60	171.66	207.43
	Water side pressure drop	kPa	60	65	70
	Pressure drop (free cooling is on)	kPa	189	174	189
	Water pipe connection	mm	DN200	DN200	DN250
	Max. working pressure	MPa	1		
Unit dimensions	Length	mm	9630	9930	11150
	Width	mm	2250	2250	2250
	Height	mm	2510	2510	2510
Net weight		kg	9550	9750	12000
Operating weight		kg	9760	9950	12940

WATER COOLED SCREW CHILLER

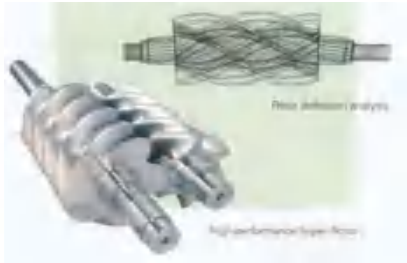


Cooling only
Standard Type: 281 kW_2251kW
Inverter Type: 412 kW_2047kW

Features and benefits

High efficiency compressor

- Advanced twin screws compressor with optimum structure can realize automatic stepless or 4 steps capa control to achieve high efficiency.
- Running noise is low thanks to low friction area inside the compressor.
- The compressor has a long lifetime profiting from high performance of interior oil segregator.



Precise Control

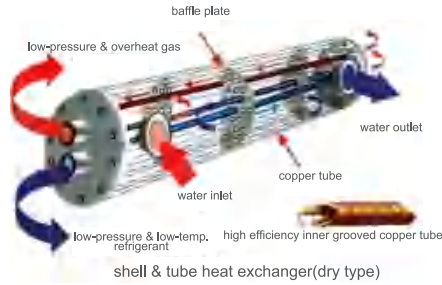
- Adopt the outer balance type thermal expansion valve, superior quality.

Complete protections ensure high reliability and stability

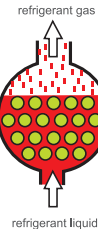
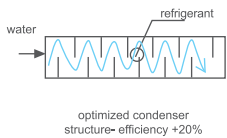
- Compressor overload protection
- Overheat protection
- Wrong or reverse phase protection
- High/low pressure protection
- Oil level protection
- Chilled or cooling water shortage protection
- Anti-freezing protection for chiller water
- Temperature sensor or communication failure malfunction alarm

Highly efficient and reliable heat exchanger

- Flooded type evaporator and shell & tube condenser, with unique heat exchanger structure and optimum copper pipe combination, enhance the heat emission and exchange efficiency greatly.
- Self-cleaning, high intensity and anti-shaking design ensure the heat exchanger unstained, reliable, quiet.



inner grooved & patented sawtooth design
sufficient exchange surface



Control functions

- Distant control function
- Multiple operation control function: cooling, self-diagnostic, manual changeover
- Record the malfunction query function
- User-friendly operation touch controller
- Intelligent control compatible with most communication

Network communication

- Support multiple electronic communication protocol
- Group control for multiple master units & Network communication with multiple intelligent equipments
- Compressors start up in sequence and balance the friction each other
- Self-diagnostic & Self-lock function
- Fully automatically energy saving operation

*Heat pump application (Water source/Ground source) is available up to requirement.

Nominal operating condition and Operating range

Item	Nominal Cooling Operating Condition				Operating Range			
	Chilled Water		Cooling Water		Chilled Water		Cooling Water	
Temp.	Inlet water temp.(℃)	Outlet water temp.(℃)	Inlet water temp.(℃)	Outlet water temp.(℃)	Outlet water temp.(℃)	Temp. difference between inlet and outlet (℃)	Inlet water temp.(℃)	Temp. difference betwe inlet and outlet (℃)
Cooling	12	7	30	35	5~15	2~8	20~40	2~10

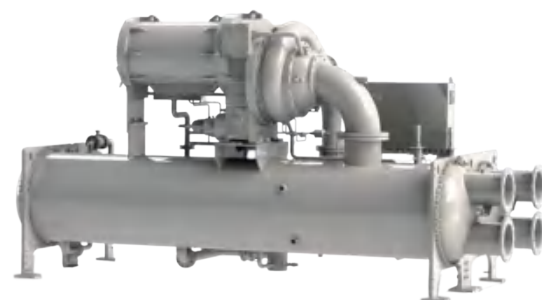
Specification

Standard type																	
Model	WSC-***C3F	281	317	387	422	492	668	774	879	985	1125	1336	1547	1759	1934	2251	
Cooling Capacity	RT	80	90	110	120	140	190	220	250	280	320	380	440	500	550	640	
	kW	281	317	387	422	492	668	774	879	985	1125	1336	1547	1759	1934	2251	
	10 ⁴ kcal/h	24	27	33	36	42	57	67	76	85	97	115	133	151	166	194	
Power Input	kW	51	58	70	76	89	120	140	158	179	201	242	279	319	351	409	
Max. Current	A	106	126	138	162	175	240	280	323	350	400	240*2	280*2	323*2	350*2	400*2	
COP	kW/kW	5.52	5.50	5.53	5.55	5.53	5.57	5.53	5.56	5.50	5.60	5.52	5.55	5.51	5.51	5.50	
IPLV	kW/kW	6.28	6.25	6.35	6.35	6.43	6.55	6.53	6.57	6.59	6.59	6.87	6.85	6.83	6.82	6.87	
Compressor	QTY.	EA	1									2					
	Type	—	Semi-Hermetic Screw Type														
	Starting Type	—	Y-△														
Refrigerant	—	R134a															
Expansion Type	—	EEV															
Power Supply	—	380~400V/3Ph/50Hz															
Evaporator	Type	—	Flooded														
	Inlet/Outlet Temp.	℃	12℃/7℃														
	Water Flow	m³/h	48	54	67	73	85	115	133	151	169	194	230	266	302	333	387
	Pressure Drop	kPa	41	44	66	82	84	55	58	60	51	63	65	65	62	64	68
	Fouling Factor	m²·℃/kW	0.018														
Connection Pipe	DN	125	125	125	125	125	150	150	150	200	200	200	250	250	250	300	
Condenser	Type	—	shell & Tube														
	Inlet/Outlet Temp.	℃	30℃/35℃														
	Water Flow	m³/h	57	64	79	86	100	136	157	178	200	228	271	314	357	393	457
	Pressure Drop	kPa	78	67	69	88	89	88	86	74	62	85	85	85	85	85	85
	Fouling Factor	m²·℃/kW	0.044														
Connection Pipe	DN	125	125	125	125	125	150	150	150	200	200	200	250	250	300	300	
Dimension	L	mm	3530	3530	3530	3550	3550	3600	3600	3600	3650	3650	5500	5150	5450	5500	5600
	W	mm	1500	1500	1600	1650	1650	1780	1780	1780	1820	1880	2180	2080	2130	2180	2230
	H	mm	1850	1850	1850	1920	1920	1920	1920	1920	1970	1970	2190	2140	2160	2190	2190
Net Weight	kg	2250	2458	2650	2890	3054	3458	3688	3769	3826	4235	6520	6720	7210	7450	8565	
Running Weight	kg	2430	2655	2862	3121	3298	3735	3983	4071	4132	4574	7042	7258	7787	8046	9250	

Inverter type

Model	WSC-***C3V		412	521	668	812	1024	1160	1298	1380	1622	1860	2047	
Cooling Capacity		RT	118	148	190	231	291	329	369	392	461	529	580	
		kW	412	521	668	812	1024	1160	1298	1380	1622	1860	2047	
		10 ⁴ kcal/h	36	45	57	70	88	99	112	119	139	160	175	
Power Input		kW	70	87	110	140	178	200	222	240	275	315	355	
Max. Current		A	138	166	209	259	335	391	209*2	227*2	259*2	311*2	335*2	
COP		kW/kW	5.89	5.99	6.07	5.80	5.75	5.80	5.85	5.75	5.90	5.90	5.77	
IPLV		kW/kW	8.28	8.15	8.35	8.35	8.43	8.5	8.75	8.83	8.97	8.89	8.95	
Compressor	QTY.	EA	1						2					
	Type	—	Semi-Hermetic Screw Type											
	Starting Type	—	Soft Starting											
Refrigerant		—	R134a											
Expansion Type		—	EEV											
Power Supply		—	380~400V/3Ph/50Hz											
Evaporator	Type	—	Shell & Tube (Flooded Type)											
	Inlet/Outlet Temp.	℃	12℃/7℃											
	Water Flow	m ³ /h	71	90	115	140	176	200	223	237	279	320	352	
	Pressure Drop	kPa	41	44	66	82	84	48	55	58	60	51	63	
	Fouling Factor	m ² ·℃/kW	0.018											
	Connection Pipe	DN	125	150	150	150	200	200	200	200	250	250	250	
Condenser	Type	—	shell & Tube											
	Inlet/Outlet Temp.	℃	30℃/35℃											
	Water Flow	m ³ /h	83	105	134	164	207	234	261	279	326	374	413	
	Pressure Drop	kPa	78	67	69	88	89	87	88	86	74	62	83	
	Fouling Factor	m ² ·℃/kW	0.044											
	Connection Pipe	DN	125	150	150	150	200	200	200	200	250	250	250	
Dimension	L	mm	3550	3610	3610	3625	3680	3700	4700	4700	4750	5400	5400	
	W	mm	1250	1370	1370	1530	1650	1700	1900	1900	1980	2100	2100	
	H	mm	1920	1985	1985	2185	2195	2285	2200	2200	2300	2400	2400	
Net Weight		kg	2850	3140	3452	3935	4650	5850	6180	6840	7480	8500	8600	
Running Weight		kg	3135	3454	3797	4329	5115	6435	6798	7524	8228	9350	9460	

CENTRIFUGAL CHILLER

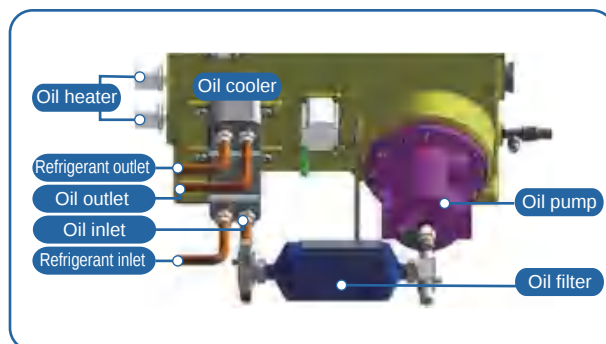


Cooling only
Flooded Inverter Type: 1759kW_12310kW

Features and benefits

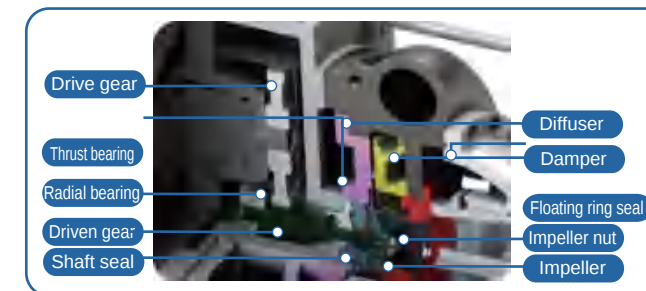
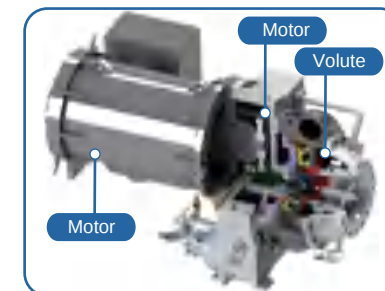
Lubrication

- Immersed oil pump, the oil pump power supply and the compressor power supply are separated to ensure that they do not affect each other.
- There is an emergency oil supply tank on the top of the compressor. When the power fails and the compressor gradually stops, it will provide lubrication to avoid wear of the internal components of the compressor.
- The electric heater and oil cooler are properly configured to control the oil temperature within an appropriate range to ensure lubrication quality.



Compressor

- Semi-hermetic compressor design, simple structure, stable, reliable and easy to maintain.
- The closed high-efficiency motor uses liquid refrigerant spray cooling, which has high efficiency and good stability. At the same time, it avoids the additional heat dissipation of the open motor to the machine room, saving additional investment in cooling the machine room.
- Gear driven, diversified gear combinations provide users with a wider range of choices. Reasonable selection of gears can ensure good operating efficiency of the impeller under specific working conditions, thus improving the efficiency of the chiller.
- The closed impeller with three-dimensional flow high-efficiency and low-noise design is combined with a variable vane diffuser, with an efficiency of over 90%; the dynamic balance accuracy level can reach G2.5, and the impellers are subjected to a 120% overspeed test before leaving the factory to ensure smooth and reliable operation.

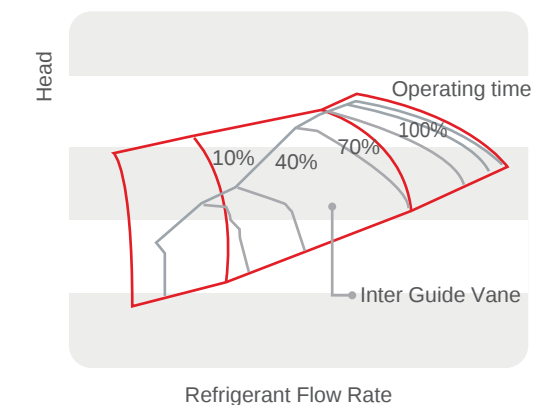


Safety protection

- Temp protection: cold water low temp, evaporator low temp, condenser high temp, oil temp too low (high), bearing temp high, motor temp high, compressor exhaust temp high, etc.
- Pressure protection: evaporator low pressure, condenser high pressure, low oil pressure difference, etc.
- Flow protection: chilled water flow, cooling water flow.
- Electrical protection: over-current, over-voltage, under-voltage, reverse phase, phase loss, differential protection, etc.
- The unit is equipped with pressure sensors, safety valves and other protection components to ensure the safe operation of the unit.

Anti-surge

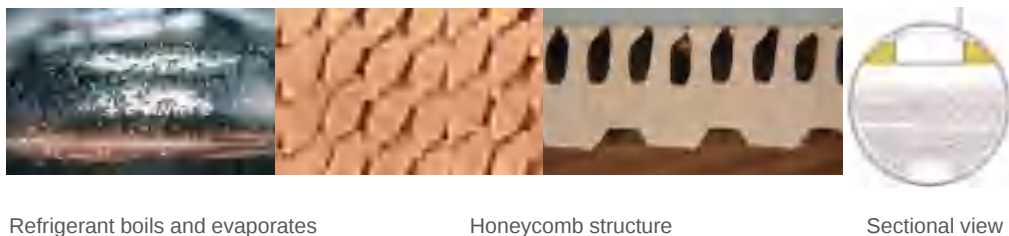
- Pre-rotating IGV+variable vane diffuser+hot gas bypass.
- Intelligent anti-surge control.
- Variable frequency.



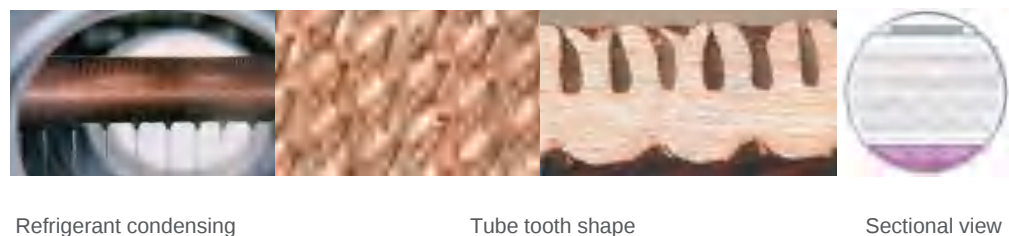
High efficiency heat exchanger

- The flooded shell and tube evaporator adopts advanced honeycomb structure evaporation tube to achieve small overheating and high intensity boiling heat exchange. There is a suction baffle inside to prevent liquid refrigerant from entering the compressor and avoid liquid shock damage.
- Supercooled shell and tube condenser, the condensing tube adopts a square pyramid spire row structure, the gas is efficiently condensed, the liquid is quickly separated, and efficient heat exchange is achieved. An exhaust deflector is installed inside to prevent high-speed fluid from directly impacting the condensation tube bundle; the built-in subcooler design provides efficient subcooling for liquid refrigerant, thereby improving the energy efficiency of the unit.
- High-efficiency heat exchange tube application technology:
- The dense internal thread design increases the turbulent flow state of the fluid in the tube and effectively improves the local heat transfer coefficient;
- Simple large thread design eliminates fluid inertia and ensures overall heat exchange;
- Optional materials: copper, brass, white copper, stainless steel, titanium alloy, etc. to adapt to different media.

Flooded shell and tube evaporator



Supercooled shell and tube condenser



Specification

Inverter type

Model	WCC-***C3V	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	
Cooling Capacity	RT	500	550	600	650	700	750	800	850	900	950	1000	1100	1200	1300	
	kW	1759	1934	2110	2286	2462	2638	2814	2989	3165	3341	3517	3869	4220	4572	
	10 ³ kcal/h	151	166	181	197	212	227	242	257	272	287	302	333	363	393	
Power Input	kW	278.8	305.5	330.2	360.6	387.7	417.4	442.5	470.7	500.8	527.8	552.1	604.5	654.3	712.1	
COP	kW/kW	6.31	6.33	6.39	6.34	6.35	6.32	6.36	6.35	6.32	6.33	6.37	6.4	6.45	6.42	
Compressor	QTY.	EA	1													
	Type	—	centrifugal													
	Starting Type	—	Y-△													
Refrigerant	—	R134a														
Expansion Type	—	EEV														
Power Supply	—	380~400V/3Ph/50Hz														
Evaporator	Type	—	Flooded													
	Inlet/Outlet Temp.	℃	12 ℃/7 ℃													
	Water Flow	m³/h	303	333	363	393	423	454	484	514	544	575	605	665	726	786
	Pressure Drop	kPa	60.8	62.0	59.6	55.7	56.5	57.6	58.2	58.8	57.8	52.8	84.2	78.5	78.0	77.6
	Fouling Factor	m²·℃/kW	0.018													
	Connection Pipe	DN	250	250	250	250	300	300	300	300	300	300	300	350	350	350
Condenser	Type	—	shell & Tube													
	Inlet/Outlet Temp.	℃	30 ℃/35 ℃													
	Water Flow	m³/h	350	385	420	455	490	526	560	595	631	665	700	769	838	909
	Pressure Drop	kPa	250	250	250	250	300	300	300	300	300	300	300	350	350	350
	Fouling Factor	m²·℃/kW	0.044													
	Connection Pipe	DN	250	250	250	250	300	300	300	300	300	300	300	350	350	350
Dimension	L	mm	4526	4526	4526	4526	4580	4580	4580	4580	4580	5464	5464	5464	5464	
	W	mm	2020	2020	2020	2020	2220	2220	2220	2220	2220	2444	2444	2444	2444	
	H	mm	2500	2500	2500	2500	2690	2690	2690	2690	2690	2950	2950	2950	2950	
Net Weight	kg	8.7	8.9	9.2	9.4	13.3	13.5	13.7	13.9	14.0	14.2	15.2	16.0	16.6	17.4	
Running Weight	kg	10.2	10.4	10.6	11.1	15.4	15.7	16.1	16.4	16.6	16.9	17.6	18.6	19.5	20.1	

Model	WSC-***C3V	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3500	
Cooling Capacity	RT	1400	1500	1600	1700	1800	1900	2000	2200	2400	2600	2800	3000	3500	
	kW	4924	5276	5627	5979	6331	6682	7034	7737	8441	9144	9848	10551	12310	
	10 ³ kcal/h	423	454	484	514	544	575	605	665	726	786	847	907	1058	
Power Input	kW	768.2	824.4	875.1	928.4	986.1	1037.6	1097.3	1207.1	1312.7	1424.3	1529.1	1630.8	1893.8	
COP	kW/kW	6.41	6.4	6.43	6.44	6.42	6.44	6.41	6.41	6.43	6.42	6.44	6.47	6.50	
Compressor	QTY.	EA	1												
	Type	—	centrifugal												
	Starting Type	—	Y-△												
Refrigerant	—	R134a													
Expansion Type	—	EEV													
Power Supply	—	380~400V/3Ph/50Hz													
Evaporator	Type	—	Flooded												
	Inlet/Outlet Temp.	°C	12 °C / 7 °C												
	Water Flow	m ³ /h	847	907	968	1028	1089	1149	1210	1331	1452	1573	1694	1815	2117
	Pressure Drop	kPa	77.0	78.4	79.4	80.3	81.1	80.6	81.8	76.1	77.2	104.9	106.1	98.9	101.4
	Fouling Factor	m ² ·°C/kW	0.018												
	Connection Pipe	DN	350	350	450	450	450	450	450	500	500	500	500	500	500
Condenser	Type	—	shell & Tube												
	Inlet/Outlet Temp.	°C	30 °C / 35 °C												
	Water Flow	m ³ /h	979	1049	1118	1188	1259	1328	1399	1538	1678	1818	1957	2095	2443
	Pressure Drop	kPa	350	350	450	450	450	450	450	500	500	500	500	500	500
	Fouling Factor	m ² ·°C/kW	0.044												
	Connection Pipe	DN	350	350	450	450	450	450	450	500	500	500	500	500	500
Dimension	L	mm	5464	5464	5656	5656	5656	5656	5656	5656	6176	6176	6676	6830	
	W	mm	2444	2444	3120	3120	3120	3120	3120	3120	3120	3120	3120	3620	
	H	mm	2950	2950	3580	3580	3580	3580	3580	3580	3580	3580	3580	3850	
Net Weight	kg	17.5	17.7	23.1	23.7	24.2	24.4	24.7	25.1	25.5	26.6	28.0	30.9	38.6	
Running Weight	kg	20.2	20.5	25.5	26.2	26.8	27.1	27.4	28.0	28.6	29.7	31.1	34.0	41.7	

AIRSIDE PRODUCTS

FAN COIL

Our fan coil units have become a hall mark for de-central air treatment, with top levels of comfort and truly impressive cost-effectiveness. A selection of versatile fan coil units assures that we offer you the perfect solution for each of your individual requirements.

Practical orientation

Our fan coil units offer an extensive portfolio of solutions for all applications involving de-central air handling.

Effectiveness

Our fan coil units guarantee cosy and comfortable room atmosphere.

Space saving

Our fan coil units assure optimal use of available space by their design and installation possibilities.

Flexible

Depending on the model type, the customer enjoys a selection among possibilities of media connection to the heat exchangers- as well as the possibility of implementing heating and cooling with 2 or 4 conductor operation.

Quietness

Sophisticated systems mean that fan coil units are characterized by a minimum of noise emission.

Functionality

Our fan coil units offer highly functional controller concepts and optimal interfacing with building management systems.

Stylishness

The modern appealing design of fan coil units is truly impressive.

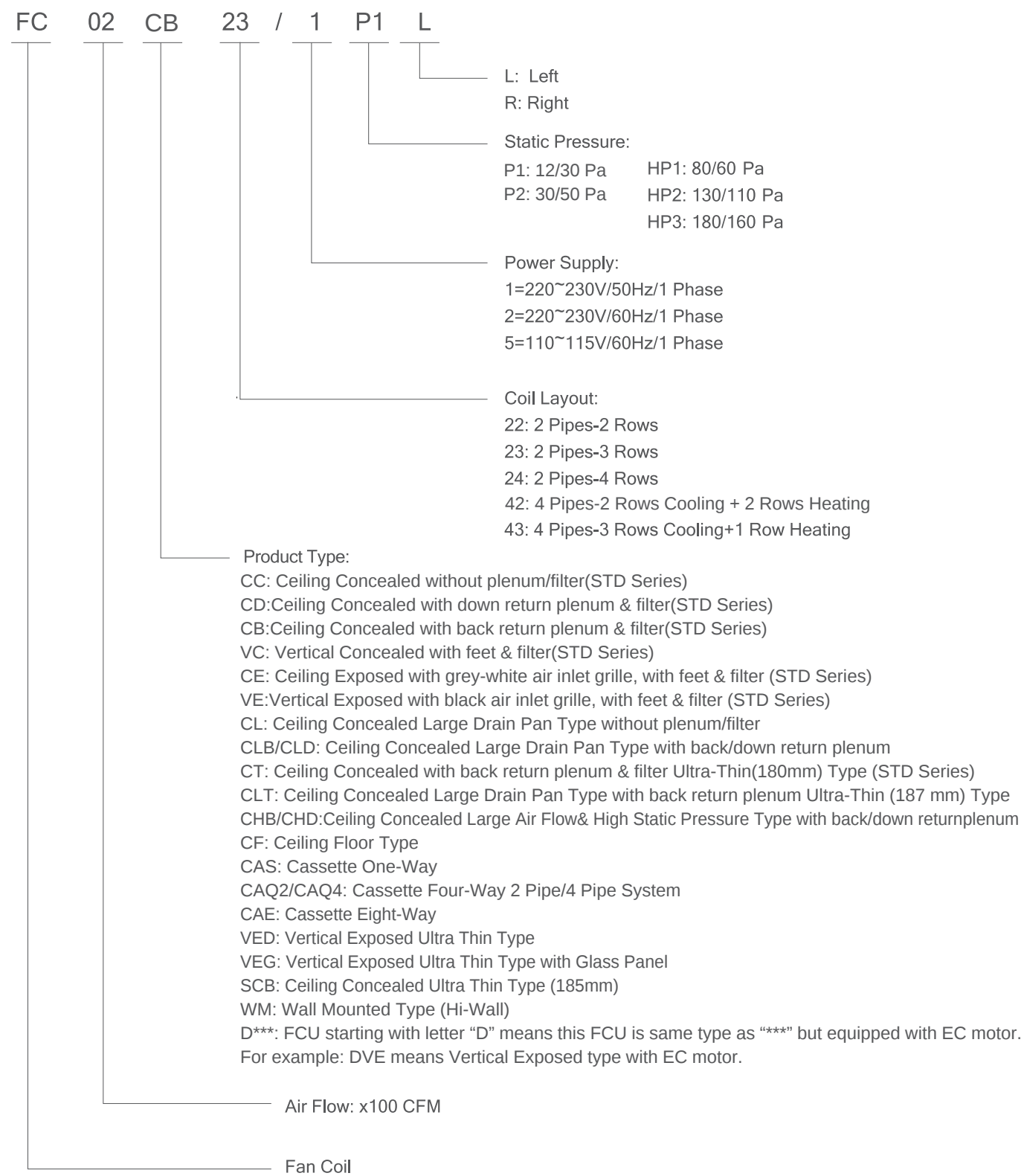
Cost effectiveness

Our fan coil units have become the effective standard solution in many and various industrial segments for comfortable economical air conditioning.

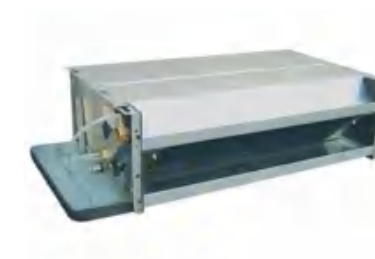
Profitability

Our fan coil units operate with low maintenance and follow-up costs.

HOW TO READ THE MODELS



Standard Fan Coil



Ceiling Concealed



Vertical Concealed

Features and benefits

- High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.

- Easy installation by configuration of ABS fan blade and shell. (Optional)



- High reliability and fire resistance by galvanized steel fan blade and shell.

- Space saving thanks to compact design and unit body thickness is only 225mm.



- V shape drain pan design guarantees the highest drainage efficiency.



- Quiet operation thanks to DIDW forward curve centrifugal fan and NSK axis.



- Optional static pressure 12-30/30-50Pa meets wide application requirements

Standard Fan Coil



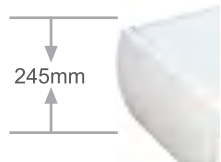
Ceiling Exposed



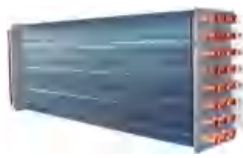
Vertical Exposed

Features and benefits

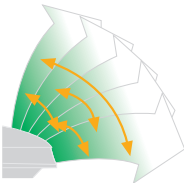
- Stylish and elegant design for high quality individual application.
- Space saving with unit body thickness only 245mm.



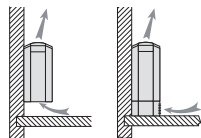
- High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.



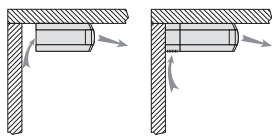
- More comfortable with wide air diffusion thanks to rotary air outlet grill max. reaches 75°.



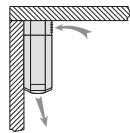
- All-in-one design guarantees great flexibility of installation both in ceiling suspended and vertical placed.



Cooling/Heating



Cooling/Heating



Heating

- Quiet operation as low as 28 dB(A) ensures exquisite working and living environment.

Standard Series 2 Pipe 2 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	1.97	2.67	3.45	4.23	5.02	7.12	8.46	9.83	11.11
	M	kW	1.65	2.24	2.95	3.59	4.26	6.07	7.21	8.37	9.50
	L	kW	1.45	1.99	2.57	3.17	3.76	5.35	6.36	7.39	8.36
Sensible Cooling Capacity	H	kW	1.39	1.84	2.41	2.97	3.59	5.00	6.75	6.94	7.96
	M	kW	1.20	1.58	2.05	2.55	3.07	4.25	5.89	6.11	6.94
	L	kW	0.94	1.19	1.56	2.05	2.49	3.30	4.47	4.65	5.42
Heating Capacity	H	kW	2.91	3.71	5.18	6.35	7.54	10.70	12.73	14.75	16.72
	M	kW	2.48	3.16	4.42	5.27	6.39	9.11	10.85	12.58	14.24
	L	kW	2.18	2.80	3.88	4.76	5.64	8.06	9.57	11.08	12.58
Power Input	12Pa-H	W	34	46	55	70	87	117	140	181	223
	30Pa-H	W	42	56	70	81	101	149	165	202	241
	50Pa-H	W	46	65	82	89	109	163	201	228	286
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	35	37	39	41	43	44	46	48	50
	30Pa-H	dB(A)	38	40	42	44	45	46	48	50	52
	50Pa-H	dB(A)	40	42	44	45	47	48	50	52	54
Water Flow	kg/h		350	470	600	740	870	1230	1460	1700	1910
Water Resistance	kPa		0.097	0.131	0.167	0.206	0.242	0.342	0.406	0.472	0.531
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		2								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed		645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225
	Ceiling Exposed		850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505
	Vertical Concealed		745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579
	Vertical Exposed		850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639
	Ceiling Concealed		675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245
	Ceiling Exposed		870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525
Packing Dimension W/D/H mm	Vertical Concealed		780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610
	Vertical Exposed		870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655
	Vertical Exposed		870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655
Unit Weight kg	Ceiling Concealed		12.1	14.5	15.8	17.0	18.9	25.7	28.5	30.3	33.5
	Ceiling Exposed		20.1	23.8	25.7	27.3	31.1	39.8	42.6	44.6	46.6
	Vertical Concealed		12.1	14.5	15.8	17.0	18.9	25.7	28.5	30.3	33.5
	Vertical Exposed		21.1	24.8	26.7	28.5	32.3	41.0	44.0	46.0	48.0
Gross Weight kg	Ceiling Concealed		13.4	16.0	17.3	18.5	20.8	27.9	30.8	32.8	36.3
	Ceiling Exposed		22.1	26.0	28.4	29.9	34.0	43.2	46.1	48.4	50.6
	Vertical Concealed		13.4	16.0	17.3	18.5	20.8	27.9	30.8	32.8	36.3
	Vertical Exposed		23.1	27.0	29.4	31.1	35.2	44.4	47.5	49.8	52.0

Note:

1. Nominal Testing condition:

Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C, leaving water temp 12 °C;

Heating: entering air temp 21 °C; entering water temp 60 °C, the same water flow as in cooling;

2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;

3. Static pressure is measured without filter and air outlet.

Standard Series 2 Pipe 3 Rows **AC Motor**

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	2.09	3.06	3.89	4.74	5.73	7.79	9.35	11.10	13.08
	M	kW	1.78	2.57	3.32	4.03	4.89	6.64	7.95	9.45	11.16
	L	kW	1.55	2.29	2.91	3.56	4.28	5.85	7.10	8.35	9.83
Sensible Cooling Capacity	H	kW	1.47	2.11	2.72	3.33	4.10	5.47	7.46	7.84	9.37
	M	kW	1.29	1.81	2.31	2.86	3.53	4.65	6.49	6.90	8.15
	L	kW	1.00	1.37	1.77	2.30	2.83	3.61	5.00	5.25	6.37
Heating Capacity	H	kW	3.13	4.25	5.84	7.12	8.58	11.69	14.03	16.64	19.63
	M	kW	2.54	3.40	4.73	5.77	6.95	9.47	11.50	13.64	15.90
	L	kW	1.91	2.55	3.50	4.34	5.15	7.13	8.56	9.98	11.78
Power Input	12Pa-H	W	34	46	55	70	87	117	140	181	223
	30Pa-H	W	42	56	70	81	101	149	165	202	241
	50Pa-H	W	46	65	82	89	109	163	201	228	286
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	36	38	40	42	44	45	47	49	51
	30Pa-H	dB(A)	39	41	43	45	46	47	49	51	53
	50Pa-H	dB(A)	41	43	45	46	48	49	51	53	55
Water Flow	kg/h		370	540	680	830	990	1350	1610	1920	2250
	l/s		0.103	0.150	0.189	0.231	0.275	0.375	0.447	0.533	0.625
Water Resistance	kPa		10	18	19	23	24	23	36	21	35
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		3								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			ø20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	12.3	14.9	16.2	17.5	18.5	26.4	30.0	32.8	35.8	
	Ceiling Exposed	21.3	25.1	27.1	28.9	32.8	41.6	44.6	46.8	49.0	
	Vertical Concealed	12.3	14.9	16.2	17.5	18.5	26.4	30.0	32.8	35.8	
	Vertical Exposed	22.3	26.1	28.1	30.1	34.0	42.8	46.0	48.2	50.4	
Gross Weight kg	Ceiling Concealed	13.8	16.5	18.0	19.3	20.5	28.7	32.3	35.8	38.8	
	Ceiling Exposed	23.4	27.4	29.9	33.2	35.7	47.0	48.1	50.6	53.0	
	Vertical Concealed	13.8	16.5	18.0	19.3	20.5	28.7	32.3	35.8	38.8	
	Vertical Exposed	24.4	28.4	30.9	34.4	36.9	48.2	49.5	52.0	54.4	

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 ℃ DB/19.5 ℃ WB; entering water temp 7 ℃ , leaving water temp 12 ℃ ;
Heating: entering air temp 21 ℃ ; entering water temp 60 ℃ , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Standard Series 4 Pipe 2+2 Rows **AC Motor**

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	2.03	2.98	3.78	4.63	5.62	7.56	9.13	10.88	12.83
	M	kW	1.72	2.5	3.22	3.94	4.79	6.44	7.76	9.27	10.95
	L	kW	1.50	2.23	3.82	3.48	4.19	5.68	6.93	8.19	9.64
Sensible Cooling Capacity	H	kW	1.47	2.11	2.72	3.33	4.10	5.47	7.46	7.84	9.37
	M	kW	1.22	1.77	2.26	2.80	3.44	4.54	6.34	6.74	7.96
	L	kW	0.97	1.33	1.71	2.16	2.75	3.50	4.85	5.10	6.18
Heating Capacity	H	kW	1.94	2.71	3.64	4.66	5.44	7.76	9.36	11.04	12.57
	M	kW	1.66	2.31	3.11	3.95	4.61	6.62	7.97	9.40	10.71
	L	kW	1.46	2.05	2.73	3.50	4.08	5.84	7.04	8.29	9.44
Power Input	12Pa-H	W	40	53	62	78	95	125	147	198	238
	30Pa-H	W	48	62	76	88	109	161	179	212	256
	50Pa-H	W	56	72	88	95	110	174	211	240	297
Max Current	A		0.25	0.33	0.40	0.43	0.50	0.79	0.96	1.09	1.35
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	37	39	41	43	45	46	48	50	52
	30Pa-H	dB(A)	40	42	44	46	47	48	50	52	54
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	Cooling 3R	kg/h	370	540	680	830	990	1350	1610	1920	2250
		l/s	0.103	0.150	0.189	0.231	0.275	0.375	0.447	0.533	0.625
	Heating 1R	kg/h	230	310	420	540	630	890	1080	1270	1450
		l/s	0.064	0.086	0.117	0.150	0.175	0.247	0.300	0.353	0.403
Water Resistance	Cooling 3R	kPa	10	18	19	23	24	23	36	21	35
	Heating 1R	kPa	5	12	17	28	25	16	18	23	29
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	13.3	15.8	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Ceiling Exposed	22.6	26.5	28.6	30.5	34.6	43.6	46.8	49.1	51.4	
	Vertical Concealed	13.3	15.8	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Vertical Exposed	23.6	27.5	29.6	31.7	35.8	44.8	48.2	50.5	52.8	
Gross Weight kg	Ceiling Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Ceiling Exposed	24.7	28.8	31.4	34.8	37.5	49.0	50.3	52.9	55.4	
	Vertical Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Vertical Exposed	25.7	29.8	32.4	36.0	38.7	50.2	51.7	54.3	56.8	

Standard Series 4 Pipe 3+1 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	1.60	2.34	3.00	4.11	4.71	6.28	7.35	9.83	11.29
	M	kW	1.36	1.97	2.55	3.49	4.00	5.35	6.25	8.37	9.63
	L	kW	1.19	1.75	2.24	3.08	3.53	4.71	5.51	7.39	8.48
Sensible Cooling Capacity	H	kW	1.16	1.66	2.16	2.96	3.44	4.54	6.01	7.08	8.25
	M	kW	0.96	1.39	1.79	2.48	2.89	3.77	5.10	6.09	7.01
	L	kW	0.76	1.04	1.36	1.92	2.30	2.91	3.90	4.60	5.44
Heating Capacity	H	kW	2.40	3.51	4.50	6.16	7.06	9.42	11.02	14.74	16.93
	M	kW	2.04	2.95	3.83	5.23	6.00	8.02	9.37	12.55	14.44
	L	kW	1.78	2.62	3.36	4.62	5.29	7.06	8.26	11.08	12.72
Power Input	12Pa-H	W	40	53	62	78	95	125	147	198	238
	30Pa-H	W	48	62	76	88	109	161	179	212	256
	50Pa-H	W	56	72	88	95	110	174	211	240	297
Max Current	A		0.25	0.33	0.40	0.43	0.50	0.79	0.96	1.09	1.35
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	37	39	41	43	45	46	48	50	52
	30Pa-H	dB(A)	40	42	44	46	47	48	50	52	54
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	Cooling 2R	kg/h	280	400	520	710	810	1080	1270	1690	1950
		l/s	0.078	0.111	0.144	0.197	0.225	0.30	0.353	0.469	0.542
	Heating 2R	kg/h	280	400	520	710	810	1080	1270	1690	1950
		l/s	0.078	0.111	0.144	0.197	0.225	0.30	0.353	0.469	0.542
Water Resistance	Cooling 2R	kPa	18	14	24	17	21	28	24	38	43
	Heating 2R	kPa	18	14	24	17	21	28	24	38	43
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Ceiling Exposed	22.6	26.5	28.6	30.5	34.6	43.6	46.8	49.1	51.4	
	Vertical Concealed	13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Vertical Exposed	23.6	27.5	29.6	31.7	35.8	44.8	48.2	50.5	52.8	
Gross Weight kg	Ceiling Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Ceiling Exposed	24.7	28.8	31.4	34.8	37.5	49.0	50.3	52.9	55.4	
	Vertical Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Vertical Exposed	25.7	29.8	32.4	36.0	38.7	50.2	51.7	54.3	56.8	

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C , leaving water temp 12 °C ;
Heating: entering air temp 21 °C ; entering water temp 60 °C , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Standard Series 2 Pipe 2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	1.97	2.67	3.45	4.23	5.02	7.12	8.46	9.83	11.11
	M	kW	1.65	2.24	2.95	3.59	4.26	6.07	7.21	8.37	9.50
	L	kW	1.45	1.99	2.57	3.17	3.76	5.35	6.36	7.39	8.36
Sensible Cooling Capacity	H	kW	1.39	1.84	2.41	2.97	3.59	5.00	6.75	6.94	7.96
	M	kW	1.20	1.58	2.05	2.55	3.07	4.25	5.89	6.11	6.94
	L	kW	0.94	1.19	1.56	2.05	2.49	3.30	4.47	4.65	5.42
Heating Capacity	H	kW	2.91	3.71	5.18	6.35	7.54	10.70	12.73	14.75	16.72
	M	kW	2.48	3.16	4.42	5.27	6.39	9.11	10.85	12.58	14.24
	L	kW	2.18	2.80	3.88	4.76	5.64	8.06	9.57	11.08	12.58
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	kg/h		350	470	600	740	870	1230	1460	1700	1910
	l/s		0.097	0.131	0.167	0.206	0.242	0.342	0.406	0.472	0.531
Water Resistance	kPa		10	18	19	23	24	23	36	21	35
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		2								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			ø20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	12.1	14.5	15.8	17.0	18.9	25.7	28.5	30.3	33.5	
	Ceiling Exposed	20.1	23.8	25.7	27.3	31.1	39.8	42.6	44.6	46.6	
	Vertical Concealed	12.1	14.5	15.8	17.0	18.9	25.7	28.5	30.3	33.5	
	Vertical Exposed	21.1	24.8	26.7	28.5	32.3	41.0	44.0	46.0	48.0	
Gross Weight kg	Ceiling Concealed	13.4	16.0	17.3	18.5	20.8	27.9	30.8	32.8	36.3	
	Ceiling Exposed	22.1	26.0	28.4	29.9	34.0	43.2	46.1	48.4	50.6	
	Vertical Concealed	13.4	16.0	17.3	18.5	20.8	27.9	30.8	32.8	36.3	
	Vertical Exposed	23.1	27.0	29.4	31.1	35.2	44.4	47.5	49.8	52.0	

Standard Series 2 Pipe 3 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	2.09	3.06	3.89	4.74	5.73	7.79	9.35	11.10	13.08
	M	kW	1.78	2.57	3.32	4.03	4.89	6.64	7.95	9.45	11.16
	L	kW	1.55	2.29	2.91	3.56	4.28	5.85	7.10	8.35	9.83
Sensible Cooling Capacity	H	kW	1.47	2.11	2.72	3.33	4.10	5.47	7.46	7.84	9.37
	M	kW	1.29	1.81	2.31	2.86	3.53	4.65	6.49	6.90	8.15
	L	kW	1.00	1.37	1.77	2.30	2.83	3.61	5.00	5.25	6.37
Heating Capacity	H	kW	3.13	4.25	5.84	7.12	8.58	11.69	14.03	16.64	19.63
	M	kW	2.54	3.40	4.73	5.77	6.95	9.47	11.50	13.64	15.90
	L	kW	1.91	2.55	3.50	4.34	5.15	7.13	8.56	9.98	11.78
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	kg/h		370	540	680	830	990	1350	1610	1920	2250
	l/s		0.103	0.150	0.189	0.231	0.275	0.375	0.447	0.533	0.625
Water Resistance	kPa		10	18	19	23	24	23	36	21	35
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		3								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	12.3	14.9	16.2	17.5	18.5	26.4	30.0	32.8	35.8	
	Ceiling Exposed	21.3	25.1	27.1	28.9	32.8	41.6	44.6	46.8	49.0	
	Vertical Concealed	12.3	14.9	16.2	17.5	18.5	26.4	30.0	32.8	35.8	
	Vertical Exposed	22.3	26.1	28.1	30.1	34.0	42.8	46	48.2	50.4	
Gross Weight kg	Ceiling Concealed	13.8	16.5	18.0	19.3	20.5	28.7	32.3	35.8	38.8	
	Ceiling Exposed	23.4	27.4	29.9	33.2	35.7	47.0	48.1	50.6	53.0	
	Vertical Concealed	13.8	16.5	18.0	19.3	20.5	28.7	32.3	35.8	38.8	
	Vertical Exposed	24.4	28.4	30.9	34.4	36.9	48.2	49.5	52.0	54.4	

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Standard Series 4 Pipe 2+2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	2.03	2.98	3.78	4.63	5.62	7.56	9.13	10.88	12.83
	M	kW	1.72	2.5	3.22	3.94	4.79	6.44	7.76	9.27	10.95
	L	kW	1.50	2.23	3.82	3.48	4.19	5.68	6.93	8.19	9.64
Sensible Cooling Capacity	H	kW	1.47	2.11	2.72	3.33	4.10	5.47	7.46	7.84	9.37
	M	kW	1.22	1.77	2.26	2.80	3.44	4.54	6.34	6.74	7.96
	L	kW	0.97	1.33	1.71	2.16	2.75	3.50	4.85	5.10	6.18
Heating Capacity	H	kW	1.94	2.71	3.64	4.66	5.44	7.76	9.36	11.04	12.57
	M	kW	1.66	2.31	3.11	3.95	4.61	6.62	7.97	9.40	10.71
	L	kW	1.46	2.05	2.73	3.50	4.08	5.84	7.04	8.29	9.44
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	Cooling 3R	kg/h	370	540	680	830	990	1350	1610	1920	2250
		l/s	0.103	0.150	0.189	0.231	0.275	0.375	0.447	0.533	0.625
	Heating 1R	kg/h	230	310	420	540	630	890	1080	1270	1450
		l/s	0.064	0.086	0.117	0.150	0.175	0.247	0.300	0.353	0.403
Water Resistance	Cooling 3R	kPa	10	18	19	23	24	23	36	21	35
	Heating 1R	kPa	5	12	17	28	25	16	18	23	29
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed	645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225	
	Ceiling Exposed	850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505	
	Vertical Concealed	745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579	
	Vertical Exposed	850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639	
Packing Dimension W/D/H mm	Ceiling Concealed	675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245	
	Ceiling Exposed	870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525	
	Vertical Concealed	780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610	
	Vertical Exposed	870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655	
Unit Weight kg	Ceiling Concealed	13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Ceiling Exposed	22.6	26.5	28.6	30.5	34.6	43.6	46.8	49.1	51.4	
	Vertical Concealed	13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8	
	Vertical Exposed	23.6	27.5	29.6	31.7	35.8	44.8	48.2	50.5	52.8	
Gross Weight kg	Ceiling Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Ceiling Exposed	24.7	28.8	31.4	34.8	37.5	49.0	50.3	52.9	55.4	
	Vertical Concealed	14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8	
	Vertical Exposed	25.7	29.8	32.4	36.0	38.7	50.2	51.7	54.3	56.8	

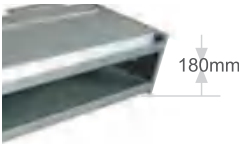
Standard Series 4 Pipe 3+1 Rows EC Motor											
Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m³/h	400	590	750	920	1080	1490	1750	2060	2450
	M	CFM	182	265	329	406	476	659	776	906	1082
		m³/h	310	450	560	690	810	1120	1320	1540	1840
	L	CFM	118	176	218	271	318	441	512	606	724
		m³/h	200	300	370	460	540	750	870	1030	1230
Total Cooling Capacity	H	kW	1.60	2.34	3.00	4.11	4.71	6.28	7.35	9.83	11.29
	M	kW	1.36	1.97	2.55	3.49	4.00	5.35	6.25	8.37	9.63
	L	kW	1.19	1.75	2.24	3.08	3.53	4.71	5.51	7.39	8.48
Sensible Cooling Capacity	H	kW	1.16	1.66	2.16	2.96	3.44	4.54	6.01	7.08	8.25
	M	kW	0.96	1.39	1.79	2.48	2.89	3.77	5.10	6.09	7.01
	L	kW	0.76	1.04	1.36	1.92	2.30	2.91	3.90	4.60	5.44
Heating Capacity	H	kW	2.40	3.51	4.50	6.16	7.06	9.42	11.02	14.74	16.93
	M	kW	2.04	2.95	3.83	5.23	6.00	8.02	9.37	12.55	14.44
	L	kW	1.78	2.62	3.36	4.62	5.29	7.06	8.26	11.08	12.72
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	Cooling 2R	kg/h	280	400	520	710	810	1080	1270	1690	1950
		l/s	0.078	0.111	0.144	0.197	0.225	0.30	0.353	0.469	0.542
	Heating 2R	kg/h	280	400	520	710	810	1080	1270	1690	1950
		l/s	0.078	0.111	0.144	0.197	0.225	0.30	0.353	0.469	0.542
Water Resistance	Cooling 2R	kPa	18	14	24	17	21	28	24	38	43
	Heating 2R	kPa	18	14	24	17	21	28	24	38	43
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class B								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ20								
Unit Dimension W/D/H mm	Ceiling Concealed		645*450*225	795*450*225	875*450*225	945*450*225	1095*450*225	1395*450*225	1545*450*225	1695*450*225	1995*450*225
	Ceiling Exposed		850*245*505	1000*245*505	1080*245*505	1150*245*505	1300*245*505	1600*245*505	1750*245*505	1900*245*505	2200*245*505
	Vertical Concealed		745*245*579	895*245*579	975*245*579	1045*245*579	1195*245*579	1495*245*579	1645*245*579	1795*245*579	2095*245*579
	Vertical Exposed		850*245*639	1000*245*639	1080*245*639	1150*245*639	1300*245*639	1600*245*639	1750*245*639	1900*245*639	2200*245*639
Packing Dimension W/D/H mm	Ceiling Concealed		675*480*245	825*480*245	905*480*245	975*480*245	1125*480*245	1425*480*245	1575*480*245	1720*480*245	2025*480*245
	Ceiling Exposed		870*255*525	1020*255*525	1120*255*525	1170*255*525	1320*255*525	1620*255*525	1770*255*525	1920*255*525	2220*255*525
	Vertical Concealed		780*255*610	930*255*610	1010*255*610	1080*255*610	1230*255*610	1530*255*610	1680*255*610	1830*255*610	2130*255*610
	Vertical Exposed		870*255*655	1020*255*655	1110*255*655	1170*255*655	1320*255*655	1620*255*655	1770*255*655	1920*255*655	2220*255*655
Unit Weight kg	Ceiling Concealed		13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8
	Ceiling Exposed		22.6	26.5	28.6	30.5	34.6	43.6	46.8	49.1	51.4
	Vertical Concealed		13.3	15.9	17.2	19.0	20.0	27.9	32.0	34.8	37.8
	Vertical Exposed		23.6	27.5	29.6	31.7	35.8	44.8	48.2	50.5	52.8
Gross Weight kg	Ceiling Concealed		14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8
	Ceiling Exposed		24.7	28.8	31.4	34.8	37.5	49.0	50.3	52.9	55.4
	Vertical Concealed		14.8	17.5	19.0	20.8	22.0	30.2	34.3	37.8	40.8
	Vertical Exposed		25.7	29.8	32.4	36.0	38.7	50.2	51.7	54.3	56.8

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C , leaving water temp 12 °C ;
Heating: entering air temp 21 °C ; entering water temp 60 °C , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Ultra-Thin Type



Features and benefits

- Great space saving and installation flexibility as unit height is only 180mm.
- 
- High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.
- 
- Fresh air by high efficiency synthetic fiber washable filter.
- Easy installation by configuration of ABS fan blade and shell. (Optional)
- High reliability and fire resistance by galvanized steel fan blade and shell.
- Quiet operation thanks to DIDW forward curve centrifugal fan and NSK axis.
- V shape drain pan design guarantees the highest drainage efficiency.
- Optional static pressure 12/30Pa meets wide application requirement.
- 

Specification

CT - Ceiling Concealed Small Drain Pan Ultra Thin Type 2 Pipe 2 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06
Air Flow	H	CFM	200	300	400	500	600
		m³/h	340	510	680	850	1020
	M	CFM	160	230	320	370	470
		m³/h	280	400	550	640	800
	L	CFM	120	170	230	280	350
		m³/h	200	300	400	480	600
Total Cooling Capacity	H	kW	1.90	2.56	3.40	4.20	5.00
	M	kW	1.62	2.17	2.89	3.56	4.24
	L	kW	1.35	1.79	2.36	2.95	3.45
Sensible Cooling Capacity	H	kW	1.25	1.71	2.30	2.78	3.38
	M	kW	0.99	1.35	1.81	2.19	2.65
	L	kW	0.80	1.03	1.39	1.70	2.03
Heating Capacity	H	kW	2.87	3.84	4.90	6.30	7.38
	M	kW	2.41	3.26	4.15	5.35	6.27
	L	kW	1.95	2.69	3.42	4.38	5.12
Power Input	12Pa-H	W	42	56	76	90	115
	30Pa-H	W	50	66	87	104	147
Max Current	A		0.25	0.34	0.43	0.51	0.73
Electrical Heater (Opt.)	kW		1.0/1.5/2.0	1.5/2.0/2.5	2.0/3.0/3.5	2.0/3.0/4.0	2.0/3.5/4.5
Static Pressure	Pa		12/30 Pa				
Noise Level	12Pa-H	dB(A)	35	37	40	42	44
	30Pa-H	dB(A)	38	40	43	45	46
Water Flow	kg/h		370	500	730	820	980
	l/s		0.103	0.139	0.207	0.228	0.272
Water Resistance	kPa		7	15	32	38	46
Fan Type			Forward curve centrifugal fan				
Motor	Type		Four speed asynchronous fan motor				
	Insulation		Class B				
	Power Supply		220~230V/1Ph/50 or 60Hz				
Coil	Type		Seamless copper mechanically expanded into aluminum fins				
	Rows		2				
	Max. Working Pressure		1.6MPa				
Inlet/Outlet Water Pipe			3/4" FPT				
Condensate Water Pipe			Φ20				
Unit Dimension	W/D/H mm		795*440*180	945*440*180	1095*440*180	1245*440*180	1445*440*180
Packing Dimension	W/D/H mm		835*470*220	985*470*220	1135*470*220	1285*470*220	1485*470*220
Unit Weight	kg		12.6	15.0	16.5	18.1	21.8
Gross Weight	kg		14.3	16.9	18.5	20.3	24.2

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

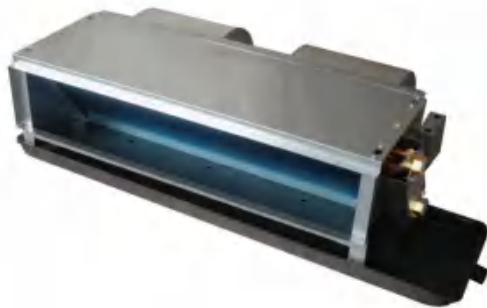
Specification

DCT - Ceiling Concealed Small Drain Pan Ultra Thin Type 2 Pipe 2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06
Air Flow	H	CFM	200	300	400	500	600
		m³/h	340	510	680	850	1020
	M	CFM	160	230	320	370	470
		m³/h	280	400	550	640	800
	L	CFM	120	170	230	280	350
		m³/h	200	300	400	480	600
Total Cooling Capacity	H	kW	1.90	2.56	3.40	4.20	5.00
	M	kW	1.62	2.17	2.89	3.56	4.24
	L	kW	1.35	1.79	2.36	2.95	3.45
Sensible Cooling Capacity	H	kW	1.25	1.71	2.30	2.78	3.38
	M	kW	0.99	1.35	1.81	2.19	2.65
	L	kW	0.80	1.03	1.39	1.70	2.03
Heating Capacity	H	kW	2.87	3.84	4.90	6.30	7.38
	M	kW	2.41	3.26	4.15	5.35	6.27
	L	kW	1.95	2.69	3.42	4.38	5.12
Power Input	12Pa-H	W	42	56	76	90	115
	30Pa-H	W	50	66	87	104	147
Max Current	A		0.25	0.34	0.43	0.51	0.73
Electrical Heater (Opt.)	kW		1.0/1.5/2.0	1.5/2.0/2.5	2.0/3.0/3.5	2.0/3.0/4.0	2.0/3.5/4.5
Static Pressure	Pa		12/30 Pa				
Noise Level	12Pa-H	dB(A)	24~35	26~37	27~40	28~30	30~44
	30Pa-H	dB(A)	27~38	28~40	29~43	31~45	33~46
Water Flow	kg/h		370	500	730	820	980
	l/s		0.103	0.139	0.207	0.228	0.272
Water Resistance	kPa		7	15	32	38	46
Fan Type			Forward curve centrifugal fan				
Motor	Type		EC Motor				
	Insulation		Class B				
	Power Supply		220~230V/1Ph/50 or 60Hz				
Coil	Type		Seamless copper mechanically expanded into aluminum fins				
	Rows		2				
	Max. Working Pressure		1.6MPa				
Inlet/Outlet Water Pipe			3/4" FPT				
Condensate Water Pipe			Φ20				
Unit Dimension	W/D/H mm		795*440*180	945*440*180	1095*440*180	1245*440*180	1445*440*180
Packing Dimension	W/D/H mm		835*470*220	985*470*220	1135*470*220	1285*470*220	1485*470*220
Unit Weight	kg		12.6	15.0	16.5	18.1	21.8
Gross Weight	kg		14.3	16.9	18.5	20.3	24.2

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Large Drain Pan Type



Features and benefits

- Unique design: Drainage vent is set at the rock bottom of the coil, besides, the copper tube is going in/out straightly into the Aluminum fins, which makes sure that water can be completely drained out of the coil in winter time to avoid frozen damage.



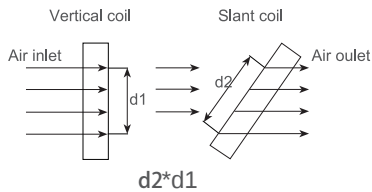
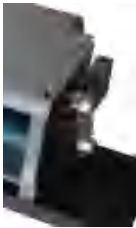
- High efficiency with seamless copper tube mechanically expanded to aluminum fins.



- Tight combination between fan blower and its casing reduces the air resistance, therefore, the efficiency is increased, at the same time, noise level is reduced.



- Slant positioned coil can enlarge the air flow facing area in order to increase the unit's efficiency. The drawer design of coil makes it simple to change the unit pipe connection between right and left, which makes the installation and repairing work much convenient.



- High reliability and fire resistance by galvanized steel fan blade and shell.



Specification

CLB - Ceiling Concealed Large Drain Pan Type 2 Pipe 2 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	224	312	424	529	635	876	1029	1271	1424
		m³/h	380	530	720	900	1080	1490	1750	2160	2420
	M	CFM	168	234	318	397	476	723	849	1048	1153
		m³/h	285	398	540	675	810	1229	1444	1782	1960
	L	CFM	112	156	212	265	318	548	644	794	890
		m³/h	190	265	360	450	540	931	1094	1350	1513
Total Cooling Capacity	H	kW	1.92	2.74	3.68	4.53	5.40	6.59	7.60	9.32	10.01
	M	kW	1.73	2.48	3.36	4.15	4.85	5.60	6.94	8.40	9.20
	L	kW	1.40	2.04	2.71	3.34	3.90	4.85	5.60	6.79	7.43
Sensible Cooling Capacity	H	kW	1.64	2.32	3.12	4.23	4.81	5.79	6.71	8.13	8.65
	M	kW	1.38	1.96	2.64	3.66	4.06	4.61	5.72	6.76	7.30
	L	kW	0.97	1.33	1.82	2.27	2.57	3.25	3.81	4.62	4.98
Heating Capacity	H	kW	3.07	4.39	5.89	7.25	8.64	10.54	12.20	14.92	16.02
	M	kW	2.67	3.81	4.94	6.49	7.31	8.22	9.65	11.73	12.74
	L	kW	2.21	3.24	4.36	5.36	6.22	7.76	8.96	10.86	11.89
Power Input	12Pa-H	W	28	34	55	68	87	125	152	185	205
	30Pa-H	W	42	55	68	87	108	142	174	210	253
	50Pa-H	W	49	66	84	100	118	174	210	250	300
Max Current	A		0.25	0.30	0.32	0.42	0.55	0.85	1.40	1.20	2.00
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	34	35	38	42	43	44	46	48	49
	30Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	kg/h		360	482	655	814	936	1285	1397	1768	1870
	l/s		0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
Water Resistance	kPa		20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		2								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H mm		680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H mm		690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		11.0	11.9	15.0	16.0	17.4	22.1	24.0	29.2	30.4
Gross Weight	kg		12.2	13.3	16.6	17.7	19.2	24.4	26.3	32.2	33.4

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C, leaving water temp 12 °C;
Heating: entering air temp 21 °C; entering water temp 60 °C, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

CLB - Ceiling Concealed Large Drain Pan Type 2 Pipe 3 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.49
	M	kW	1.95	2.82	3.74	4.35	5.45	7.47	8.54	10.50	11.48
Sensible Cooling Capacity	L	kW	1.58	2.32	3.01	3.50	4.38	6.04	6.89	8.48	9.27
	H	kW	1.86	2.64	3.47	4.43	5.41	7.21	8.28	10.17	10.79
	M	kW	1.56	2.23	2.94	3.83	4.56	6.15	7.04	8.45	9.11
	L	kW	1.09	1.51	2.02	2.38	2.89	4.05	4.69	5.77	6.21
Heating Capacity	H	kW	3.50	5.01	6.74	7.62	9.76	13.18	14.81	18.03	19.70
	M	kW	3.04	4.36	5.65	6.82	8.25	11.30	12.88	15.74	17.05
Power Input	L	kW	2.52	3.71	4.99	5.64	7.03	9.49	10.66	13.16	13.99
	12Pa-H	W	28	34	55	68	87	125	152	185	205
	30Pa-H	W	42	55	68	87	108	142	174	210	253
	50Pa-H	W	49	66	84	100	118	174	210	250	300
Max Current	A		0.25	0.30	0.32	0.42	0.55	0.85	1.40	1.20	2.00
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	34	35	38	42	43	44	46	48	49
	30Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	kg/h		373	536	703	851	1044	1412	1613	2004	2148
	l/s		0.104	0.149	0.195	0.236	0.290	0.392	0.448	0.557	0.597
Water Resistance	kPa		20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		3								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		11.4	12.5	15.5	16.5	17.9	23.9	25.7	30.7	31.6
Gross Weight	kg		12.6	13.8	17.0	18.2	19.7	26.2	28.1	33.7	34.6

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

CLB - Ceiling Concealed Large Drain Pan Type 4 Pipe 3+1 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.49
	M	kW	1.95	2.82	3.74	4.35	5.45	7.47	8.54	10.50	11.48
	L	kW	1.58	2.32	3.01	3.50	4.38	6.04	6.89	8.48	9.27
Sensible Cooling Capacity	H	kW	1.86	2.64	3.47	4.43	5.41	7.21	8.28	10.17	10.79
	M	kW	1.56	2.23	2.94	3.83	4.56	6.15	7.04	8.45	9.11
	L	kW	1.09	1.51	2.02	2.38	2.89	4.05	4.69	5.77	6.21
Heating Capacity	H	kW	1.70	2.21	3.15	3.96	5.19	5.66	6.90	8.12	9.93
	M	kW	1.48	1.92	2.64	3.54	4.39	4.85	6.00	7.09	8.59
	L	kW	1.22	1.64	2.33	2.93	3.74	4.08	4.97	5.93	7.05
Power Input	12Pa-H	W	28	34	55	68	87	125	152	185	205
	30Pa-H	W	42	55	68	87	108	142	174	210	253
	50Pa-H	W	49	66	84	100	118	174	210	250	300
Max Current	A		0.25	0.30	0.32	0.42	0.55	0.85	1.40	1.20	2.00
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	34	35	38	42	43	44	46	48	49
	30Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	Cooling 3R	kg/h	347	498	654	791	971	1313	1500	1864	1998
		l/s	0.096	0.138	0.182	0.220	0.270	0.365	0.417	0.518	0.555
	Heating 1R	kg/h	146	190	271	341	446	487	593	698	854
		l/s	0.041	0.053	0.075	0.095	0.124	0.135	0.165	0.194	0.237
Water Resistance	Cooling 3R	kPa	20	20	20	30	40	40	40	40	50
	Heating 1R	kPa	5	12	17	28	25	16	18	23	29
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		12.8	14.1	17.0	18.0	19.4	26.7	28.4	33.2	33.8
Gross Weight	kg		14.0	15.4	18.5	19.7	21.2	29.0	30.8	36.2	36.8

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

CLB - Ceiling Concealed Large Drain Pan Type 4 Pipe 2+2 Rows AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	1.92	2.74	3.68	4.53	5.40	6.59	7.60	9.32	10.01
	M	kW	1.73	2.48	3.36	4.15	4.85	5.60	6.94	8.40	9.20
	L	kW	1.40	2.04	2.71	3.34	3.90	4.85	5.60	6.79	7.43
Sensible Cooling Capacity	H	kW	1.64	2.32	3.12	4.23	4.81	5.79	6.71	8.13	8.65
	M	kW	1.38	1.96	2.64	3.66	4.06	4.61	5.72	6.76	7.30
	L	kW	0.97	1.33	1.82	2.27	2.57	3.25	3.81	4.62	4.98
Heating Capacity	H	kW	3.07	4.39	5.89	7.25	8.64	10.54	12.20	14.92	16.02
	M	kW	2.67	3.81	4.94	6.49	7.31	8.22	9.65	11.73	12.74
	L	kW	2.21	3.24	4.36	5.36	6.22	7.76	8.96	10.86	11.89
Power Input	12Pa-H	W	28	34	55	68	87	125	152	185	205
	30Pa-H	W	42	55	68	87	108	142	174	210	253
	50Pa-H	W	49	66	84	100	118	174	210	250	300
Max Current	A		0.25	0.30	0.32	0.42	0.55	0.85	1.40	1.20	2.00
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	34	35	38	42	43	44	46	48	49
	30Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
	50Pa-H	dB(A)	42	44	46	47	49	50	52	54	56
Water Flow	Cooling 2R	kg/h	360	482	655	814	936	1285	1397	1768	1870
		l/s	0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
	Heating 2R	kg/h	360	482	655	814	936	1285	1397	1768	1870
		l/s	0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
Water Resistance	Cooling 2R	kPa	20	20	20	30	40	40	40	40	50
	Heating 2R	kPa	20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		Four speed asynchronous fan motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		12.8	14.1	17.0	18.0	19.4	26.7	28.4	33.2	33.8
Gross Weight	kg		14.0	15.4	18.5	19.7	21.2	29.0	30.8	36.2	36.8

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

DCLB - Ceiling Concealed Large Drain Pan Type 2 Pipe 2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	224	312	424	529	635	876	1029	1271	1424
		m³/h	380	530	720	900	1080	1490	1750	2160	2420
	M	CFM	168	234	318	397	476	723	849	1048	1153
		m³/h	285	398	540	675	810	1229	1444	1782	1960
	L	CFM	112	156	212	265	318	548	644	794	890
		m³/h	190	265	360	450	540	931	1094	1350	1513
Total Cooling Capacity	H	kW	1.92	2.74	3.68	4.53	5.40	6.59	7.60	9.32	10.01
	M	kW	1.73	2.48	3.36	4.15	4.85	5.60	6.94	8.40	9.20
	L	kW	1.40	2.04	2.71	3.34	3.90	4.85	5.60	6.79	7.43
Sensible Cooling Capacity	H	kW	1.64	2.32	3.12	4.23	4.81	5.79	6.71	8.13	8.65
	M	kW	1.38	1.96	2.64	3.66	4.06	4.61	5.72	6.76	7.30
	L	kW	0.97	1.33	1.82	2.27	2.57	3.25	3.81	4.62	4.98
Heating Capacity	H	kW	3.07	4.39	5.89	7.25	8.64	10.54	12.20	14.92	16.02
	M	kW	2.67	3.81	4.94	6.49	7.31	8.22	9.65	11.73	12.74
	L	kW	2.21	3.24	4.36	5.36	6.22	7.76	8.96	10.86	11.89
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	kg/h		360	482	655	814	936	1285	1397	1768	1870
	l/s		0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
Water Resistance	kPa		20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		2								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		11.0	11.9	15.0	16.0	17.4	22.1	24.0	29.2	30.4
Gross Weight	kg		12.2	13.3	16.6	17.7	19.2	24.4	26.3	32.2	33.4

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

DCLB - Ceiling Concealed Large Drain Pan Type 2 Pipe 3 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.49
	M	kW	1.95	2.82	3.74	4.35	5.45	7.47	8.54	10.50	11.48
	L	kW	1.58	2.32	3.01	3.50	4.38	6.04	6.89	8.48	9.27
Sensible Cooling Capacity	H	kW	1.86	2.64	3.47	4.43	5.41	7.21	8.28	10.17	10.79
	M	kW	1.56	2.23	2.94	3.83	4.56	6.15	7.04	8.45	9.11
	L	kW	1.09	1.51	2.02	2.38	2.89	4.05	4.69	5.77	6.21
Heating Capacity	H	kW	3.50	5.01	6.74	7.62	9.76	13.18	14.81	18.03	19.70
	M	kW	3.04	4.36	5.65	6.82	8.25	11.30	12.88	15.74	17.05
	L	kW	2.52	3.71	4.99	5.64	7.03	9.49	10.66	13.16	13.99
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	kg/h		373	536	703	851	1044	1412	1613	2004	2148
	l/s		0.104	0.149	0.195	0.236	0.290	0.392	0.448	0.557	0.597
Water Resistance	kPa		20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		3								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		11.4	12.5	15.5	16.5	17.9	23.9	25.7	30.7	31.6
Gross Weight	kg		12.6	13.8	17.0	18.2	19.7	26.2	28.1	33.7	34.6

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

DCLB - Ceiling Concealed Large Drain Pan Type 4 Pipe 3+1 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.49
	M	kW	1.95	2.82	3.74	4.35	5.45	7.47	8.54	10.50	11.48
	L	kW	1.58	2.32	3.01	3.50	4.38	6.04	6.89	8.48	9.27
Sensible Cooling Capacity	H	kW	1.86	2.64	3.47	4.43	5.41	7.21	8.28	10.17	10.79
	M	kW	1.56	2.23	2.94	3.83	4.56	6.15	7.04	8.45	9.11
	L	kW	1.09	1.51	2.02	2.38	2.89	4.05	4.69	5.77	6.21
Heating Capacity	H	kW	1.70	2.21	3.15	3.96	5.19	5.66	6.90	8.12	9.93
	M	kW	1.48	1.92	2.64	3.54	4.39	4.85	6.00	7.09	8.59
	L	kW	1.22	1.64	2.33	2.93	3.74	4.08	4.97	5.93	7.05
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	Cooling 3R	kg/h	347	498	654	791	971	1313	1500	1864	1998
		l/s	0.096	0.138	0.182	0.220	0.270	0.365	0.417	0.518	0.555
	Heating 1R	kg/h	146	190	271	341	446	487	593	698	854
		l/s	0.041	0.053	0.075	0.095	0.124	0.135	0.165	0.194	0.237
Water Resistance	Cooling 3R	kPa	20	20	20	30	40	40	40	40	50
	Heating 1R	kPa	5	12	17	28	25	16	18	23	29
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		12.8	14.1	17.0	18.0	19.4	26.7	28.4	33.2	33.8
Gross Weight	kg		14.0	15.4	18.5	19.7	21.2	29.0	30.8	36.2	36.8

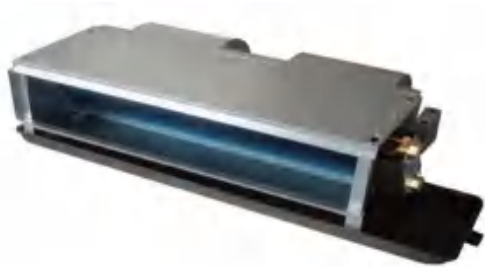
Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

DCLB - Ceiling Concealed Large Drain Pan Type 4 Pipe 2+2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	660	825	990	1134
		m³/h	255	382	510	637	765	1122	1402	1683	1927
	L	CFM	100	150	200	250	300	500	625	750	875
		m³/h	170	255	340	425	510	850	1062	1275	1487
Total Cooling Capacity	H	kW	1.92	2.74	3.68	4.53	5.40	6.59	7.60	9.32	10.01
	M	kW	1.73	2.48	3.36	4.15	4.85	5.60	6.94	8.40	9.20
	L	kW	1.40	2.04	2.71	3.34	3.90	4.85	5.60	6.79	7.43
Sensible Cooling Capacity	H	kW	1.64	2.32	3.12	4.23	4.81	5.79	6.71	8.13	8.65
	M	kW	1.38	1.96	2.64	3.66	4.06	4.61	5.72	6.76	7.30
	L	kW	0.97	1.33	1.82	2.27	2.57	3.25	3.81	4.62	4.98
Heating Capacity	H	kW	3.07	4.39	5.89	7.25	8.64	10.54	12.20	14.92	16.02
	M	kW	2.67	3.81	4.94	6.49	7.31	8.22	9.65	11.73	12.74
	L	kW	2.21	3.24	4.36	5.36	6.22	7.76	8.96	10.86	11.89
Power Input	12Pa-H	W	8~17	9~20	10~36	11~44	12~56	20~78	23~88	26~114	28~139
	30Pa-H	W	10~26	11~34	12~42	13~51	15~63	25~91	26~101	28~140	30~166
	50Pa-H	W	12~29	13~38	14~49	15~56	17~80	26~101	28~125	30~173	32~208
Max Current	A		0.21	0.30	0.37	0.40	0.50	0.74	0.91	1.04	1.30
Static Pressure	Pa		12/30/50 Pa								
Noise Level	12Pa-H	dB(A)	21~35	22~37	20~39	22~41	24~43	28~44	28~46	29~48	30~50
	30Pa-H	dB(A)	22~38	23~40	21~42	23~44	25~45	29~46	29~48	30~50	31~52
	50Pa-H	dB(A)	23~40	24~42	22~44	24~45	26~47	30~48	30~50	31~52	32~54
Water Flow	Cooling 2R	kg/h	360	482	655	814	936	1285	1397	1768	1870
		l/s	0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
	Heating 2R	kg/h	360	482	655	814	936	1285	1397	1768	1870
		l/s	0.100	0.134	0.182	0.226	0.260	0.357	0.388	0.491	0.519
Water Resistance	Cooling 2R	kPa	20	20	20	30	40	40	40	40	50
	Heating 2R	kPa	20	20	20	30	40	40	40	40	50
Fan Type			Forward curve centrifugal fan								
Motor	Type		EC Motor								
	Insulation		Class E								
	Power Supply		220~230V/1Ph/50 or 60Hz								
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Rows		4								
	Max. Working Pressure		1.6MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			3/4" MPT								
Unit Dimension	W/D/H	mm	680*493*240	880*493*240	980*493*240	1080*493*240	1180*493*240	1380*493*240	1480*493*240	1880*493*240	1880*493*240
Packing Dimension	W/D/H	mm	690*505*250	890*505*250	990*505*250	1090*505*250	1190*505*250	1390*505*250	1490*505*250	1890*505*250	1890*505*250
Unit Weight	kg		12.8	14.1	17.0	18.0	19.4	26.7	28.4	33.2	33.8
Gross Weight	kg		14.0	15.4	18.5	19.7	21.2	29.0	30.8	36.2	36.8

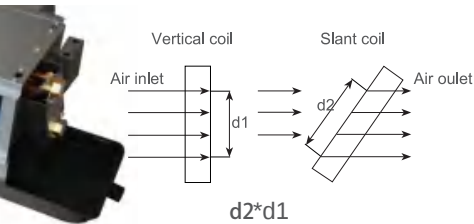
Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C , leaving water temp 12 °C ;
Heating: entering air temp 21 °C ; entering water temp 60 °C , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Ultra-Thin Large Drain Pan Type

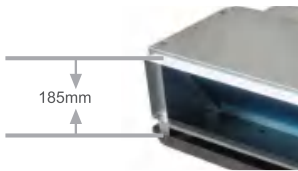


Features and benefits

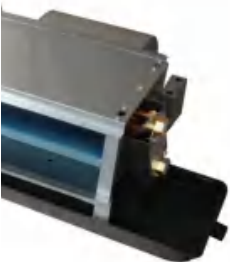
- Unique design: Drainage vent is set at the rock bottom of the coil, besides, the copper tube is going in/out straightly into the Aluminum fins, which makes sure that water can be completely drained out of the coil in winter time to avoid frozen damage.
- Slant positioned coil can enlarge the air flow facing area in order to increase the unit's efficiency. The drawer design of coil makes it simple to change the unit pipe connection between right and left, which makes the installation and repairing work much convenient.



- High efficiency with seamless copper tube mechanically expanded to aluminum fins.
- Space saving thanks to compact design and unit body thickness is only 185mm.



- Tight combination between fan blower and its casing reduces the air resistance, therefore, the efficiency is increased, at the same time, noise level is reduced.
- Convertible Pipe Connection Side
The coil is designed as a drawer type, which makes the unit possible to change pipe direction between right& left easily as site.



Specification

CLT - Ceiling Concealed Large Drain Pan Ultra Thin Type 2 Pipe 2 Rows AC Motor

Model			FC02	FC02	FC02	FC02	FC02
Air Flow	H	CFM	200	300	382	476	706
		m³/h	340	510	650	810	1200
	M	CFM	168	234	302	377	561
		m³/h	285	398	513	641	953
	L	CFM	112	156	201	252	374
		m³/h	190	265	342	428	635
Total Cooling Capacity	H	kW	1.80	2.70	3.60	4.50	6.30
	M	kW	1.62	2.44	3.29	4.12	5.70
	L	kW	1.31	2.01	2.65	3.32	4.60
Sensible Cooling Capacity	H	kW	1.53	2.35	3.12	3.92	5.47
	M	kW	1.30	1.99	2.68	3.31	4.66
	L	kW	0.99	1.57	1.98	2.56	3.59
Heating Capacity	H	kW	2.70	4.05	5.40	6.75	9.45
	M	kW	2.35	3.52	4.53	6.04	8.06
	L	kW	1.94	3.00	4.00	5.00	6.80
Power Input	12Pa-H	W	37	52	62	76	118
	30Pa-H	W	44	59	72	87	140
Max Current	A		0.25	0.34	0.43	0.51	0.73
Static Pressure	Pa		12/30 Pa				
Noise Level	12Pa-H	dB(A)	37	39	41	43	46
	30Pa-H	dB(A)	40	42	44	46	48
Water Flow	kg/h		320	482	635	795	1095
	l/s		0.089	0.134	0.176	0.221	0.304
Water Resistance	kPa		15	15	25	30	40
Fan Type			Forward curve centrifugal plastic fan blower with galvanized cover				
Motor	Type		Four speed asynchronous fan motor				
	Insulation		Class B				
	Power Supply		220~230V/1Ph/50 or 60Hz				
Coil	Type		Seamless copper mechanically expanded into aluminum fins				
	Rows		2				
	Max. Working Pressure		1.6MPa				
Inlet/Outlet Water Pipe			3/4" FPT				
Condensate Water Pipe			Φ20				
Unit Dimension	W/D/H mm		740*480*185	840*480*185	1040*480*185	1140*480*185	1340*480*185
Packing Dimension	W/D/H mm		800*500*200	900*500*200	1100*500*200	1200*500*200	1400*500*200
Unit Weight	kg		13.0	14.5	15.5	18.0	25.0
Gross Weight	kg		15.0	17.0	18.5	20.0	27.0

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C, leaving water temp 12 °C;
Heating: entering air temp 21 °C; entering water temp 60 °C, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Large Air Flow and High Static Pressure Type



Features and benefits

- High energy efficiency with seamless copper tube echanically expanded to aluminum fins.
- 
- Lower noise by hot galvanized sheet steel with fine acoustic insulation layer.
- V shape extended drain pan design greatly increases the drainage efficiency.
- 
- Fresh air by high efficiency synthetic fiber washable filter or aluminum filter.
- Optional static pressure 60~180 Pa covers most of the application requirements.
- High reliability and fire resistance by galvanized steel fan blade and shell.

Specification

CHB - Large Air Flow & High Static Pressure Type 2 Pipe 3 Rows AC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	6.10	7.50	9.00	11.50	13.50	13.68	15.80	16.68	20.80	27.00	31.40
	M	kW	5.49	6.68	8.19	10.58	11.88	12.04	13.75	14.28	18.30	24.03	27.32
	L	kW	5.06	6.30	7.65	9.43	11.21	11.35	13.11	13.51	17.47	22.68	26.38
Sensible Cooling Capacity	H	kW	4.60	5.60	6.50	8.30	10.00	11.40	11.80	12.68	15.30	19.60	23.10
	M	kW	4.00	4.82	5.66	7.22	8.40	9.58	9.91	10.65	13.01	16.66	19.17
	L	kW	3.50	4.31	5.07	6.31	7.60	8.66	9.09	9.63	11.63	15.09	17.79
Heating Capacity	H	kW	9.30	11.50	14.10	18.10	20.90	21.60	25.00	25.02	32.10	42.20	49.20
	M	kW	8.09	10.12	12.55	15.75	18.81	19.44	22.25	20.52	29.21	38.40	43.30
	L	kW	7.72	9.66	11.84	15.20	17.35	17.93	21.00	18.77	27.29	34.60	40.84
Power Input	80Pa-H	W	180	280	340	390	470	531	710	640	800	980	1170
	130Pa-H	W	240	370	450	520	620	640	830	750	950	1130	1350
	180Pa-H	W	320	500	600	680	800	830	950	1000	1240	1470	1760
Max Current	A		1.5	2.3	2.7	3.1	3.6	3.8	4.3	4.5	5.6	6.7	8.0
Static Pressure	Pa		80/130/180 Pa										
Noise Level	80Pa-H	dB(A)	48	49	50	52	55	56	56	57	60	61	62
	130Pa-H	dB(A)	51	52	53	55	58	58	59	60	62	64	65
	180Pa-H	dB(A)	53	55	56	58	60	61	62	63	65	67	67
Water Flow	kg/h		1000	1200	1500	1900	2200	2	2600	3	3400	4500	5200
	l/s		0.278	0.333	0.417	0.528	0.611	0.643	0.722	0.001	0.944	1.250	1.444
Water Resistance	kPa		8.7	11.7	16.8	25.4	35.0	38.0	43.5	40.0	25.4	39.5	48.7
Fan Type			Forward curve centrifugal fan										
Motor	Type		Four speed asynchronous fan motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		3										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4			1" MPT			1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H mm		980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H mm		1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		37.0	40.0	47.0	52.0	58.0	60.0	62.0	65.0	80.0	103.0	111.0
Gross Weight	kg		42.0	46.0	54.0	60.0	67.0	67.0	70.0	73.0	88.0	112.0	120.0

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃ , leaving water temp 12℃ ;
Heating: entering air temp 21℃ ; entering water temp 60℃ , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

CHB - Large Air Flow & High Static Pressure Type 2 Pipe 4 Rows AC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	7.60	10.10	11.80	14.20	16.40	16.62	18.60	19.64	26.30	35.00	39.70
	M	kW	6.84	8.99	10.74	13.06	14.43	14.62	16.18	17.09	23.14	31.15	34.54
	L	kW	6.31	8.48	10.03	11.64	13.61	13.79	15.44	16.30	22.09	29.40	33.35
Sensible Cooling Capacity	H	kW	5.80	7.50	8.70	10.60	12.50	12.67	14.10	14.89	19.30	25.60	29.80
	M	kW	5.05	6.45	7.57	9.22	10.50	10.64	11.84	12.51	16.41	21.76	24.73
	L	kW	4.41	5.78	6.79	8.06	9.50	9.63	10.86	11.46	14.67	19.71	22.95
Heating Capacity	H	kW	12.00	15.50	18.30	22.40	25.00	25.33	28.50	30.10	41.30	55.40	61.60
	M	kW	10.44	13.64	16.29	19.49	22.50	22.79	25.37	26.78	37.58	50.41	54.21
	L	kW	9.96	13.02	15.37	18.82	20.75	21.03	23.94	25.28	35.11	45.43	51.13
Power Input	60Pa-H	W	210	320	400	480	550	550	750	660	850	1090	1280
	110Pa-H	W	260	410	500	570	640	640	850	780	960	1230	1460
	160Pa-H	W	350	550	650	770	860	860	970	1030	1260	1560	1840
Max Current	A		1.6	2.5	3.0	3.5	3.9	3.9	4.4	4.7	5.7	7.1	8.4
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	48	50	51	53	56	57	57	58	60	62	64
	110Pa-H	dB(A)	50	52	53	55	58	58	60	61	63	65	66
	160Pa-H	dB(A)	53	56	56	58	61	62	63	64	66	68	70
Water Flow	kg/h		1307	1737	2030	2442	2821	2858	3199	3378	4524	6020	6828
	l/s		0.363	0.483	0.564	0.678	0.784	0.794	0.889	0.938	1.257	1.672	1.897
Water Resistance	kPa		12.3	16.2	23.5	32.9	42.1	43.0	48.7	50.0	30.2	42.3	53.4
Fan Type			Forward curve centrifugal fan										
Motor	Type		Four speed asynchronous fan motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		4										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			1" MPT						1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃ , leaving water temp 12℃ ;
Heating: entering air temp 21℃ ; entering water temp 60, the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

CHB - Large Air Flow & High Static Pressure Type 4 Pipe 3+1 Rows AC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	6.10	7.50	9.00	11.50	13.50	13.68	15.80	16.68	20.80	27.00	31.40
	M	kW	5.49	6.68	8.19	10.58	11.88	12.03	13.75	14.51	18.30	24.03	27.32
	L	kW	5.06	6.30	7.65	9.43	11.21	11.35	13.11	13.85	17.47	22.68	26.38
Sensible Cooling Capacity	H	kW	4.60	5.60	6.50	8.30	10.00	10.13	11.80	12.46	15.30	19.60	23.10
	M	kW	4.00	4.82	5.66	7.22	8.40	8.51	9.91	10.47	13.01	16.66	19.17
	L	kW	3.50	4.31	5.07	6.31	7.60	7.70	9.09	9.59	11.63	15.09	17.79
Heating Capacity	H	kW	4.19	5.18	6.35	8.15	9.41	9.72	11.25	11.26	14.45	18.99	22.14
	M	kW	3.64	4.55	5.65	7.09	8.46	8.57	10.01	10.57	13.14	17.28	19.48
	L	kW	3.47	4.35	5.33	6.84	7.81	7.91	9.45	9.98	12.28	15.57	18.38
Power Input	60Pa-H	W	210	320	400	480	550	550	750	660	850	1090	1280
	110Pa-H	W	260	410	500	570	640	640	850	780	960	1230	1460
	160Pa-H	W	350	550	650	770	860	860	970	1030	1260	1560	1840
Max Current	A		1.6	2.5	3.0	3.5	3.9	3.9	4.4	4.7	5.7	7.1	8.4
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	48	50	51	53	56	57	57	58	60	62	64
	110Pa-H	dB(A)	50	52	53	55	58	58	60	61	63	65	66
	160Pa-H	dB(A)	53	56	56	58	61	62	63	64	66	68	70
Water Flow	Cooling 3R	kg/h	1049	1290	1548	1978	2322	2353	2718	2870	3578	4644	5401
		l/s	0.291	0.358	0.430	0.549	0.645	0.654	0.755	0.797	0.994	1.290	1.500
	Heating 1R	kg/h	360	445	546	700	809	836	968	968	1242	1633	1904
Water Resistance	Cooling 3R	l/s	0.100	0.124	0.152	0.195	0.225	0.232	0.269	0.269	0.345	0.454	0.529
		kPa	8.7	11.7	16.8	25.4	35.0	38.0	43.5	45.0	25.4	39.5	48.7
	Heating 1R	kPa	8.7	11.7	16.8	25.4	35.0	38.0	43.5	45.0	25.4	39.5	48.7
Fan Type			Forward curve centrifugal fan										
Motor	Type		Four speed asynchronous fan motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		3+1										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4		1" MPT				1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:

1. Nominal Testing condition:
Cooling: entering air temp 27 ℃ DB/19.5V WB; entering water temp 7 ℃ , leaving water temp 12 ℃ ;
Heating: entering air temp 21 ℃ ; entering water temp 60 ℃ , the same water flow as in cooling;

2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;

3. Static pressure is measured without filter and air outlet.

CHB - Large Air Flow & High Static Pressure Type 4 Pipe 2+2 Rows AC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	5.12	6.30	7.56	9.66	11.34	11.49	13.27	14.01	17.47	22.68	26.38
	M	kW	4.61	5.61	6.88	8.89	9.98	10.11	11.55	12.19	15.38	20.19	22.95
	L	kW	4.25	5.29	6.43	7.92	9.41	9.54	11.02	11.63	14.68	19.05	22.16
Sensible Cooling Capacity	H	kW	5.80	7.50	8.70	10.60	12.50	12.67	14.10	14.89	19.30	25.60	29.80
	M	kW	5.05	6.45	7.57	9.22	10.50	10.64	11.84	12.51	16.41	21.76	24.73
	L	kW	4.41	5.78	6.79	8.06	9.50	9.63	10.86	11.46	14.67	19.71	22.95
Heating Capacity	H	kW	7.81	9.66	11.84	15.20	17.56	18.14	21.00	21.02	26.96	35.45	41.33
	M	kW	6.80	8.50	10.54	13.23	15.80	16.01	18.69	19.73	24.54	32.26	36.37
	L	kW	6.48	8.11	9.95	12.77	14.57	14.77	17.64	18.63	22.92	29.07	34.30
Power Input	60Pa-H	W	210	320	400	480	550	550	750	660	850	1090	1280
	110Pa-H	W	260	410	500	570	640	640	850	780	960	1230	1460
	160Pa-H	W	350	550	650	770	860	860	970	1030	1260	1560	1840
Max Current	A		1.6	2.5	3.0	3.5	3.9	3.9	4.4	4.7	5.7	7.1	8.4
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	48	50	51	53	56	57	57	58	60	62	64
	110Pa-H	dB(A)	50	52	53	55	58	58	60	61	63	65	66
	160Pa-H	dB(A)	53	56	56	58	61	62	63	64	66	68	70
Water Flow	Cooling 2R	kg/h	881	1084	1300	1662	1950	1976	2283	2410	3005	3901	4537
		l/s	0.245	0.301	0.361	0.462	0.542	0.549	0.634	0.669	0.835	1.084	1.260
	Heating 2R	kg/h	672	831	1019	1308	1510	1560	1806	1807	2319	3049	3554
Water Resistance	Cooling 2R	l/s	0.187	0.231	0.283	0.363	0.419	0.433	0.502	0.502	0.644	0.847	0.987
		kPa	12.3	16.2	23.5	32.9	42.1		48.7	50	30.2	42.3	53.4
	Heating 2R	kPa	12.3	16.2	23.5	32.9	42.1		48.7	50.0	30.2	42.3	53.4
Fan Type			Forward curve centrifugal fan										
Motor	Type		Four speed asynchronous fan motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		2+2										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4		1" MPT				1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:

1. Nominal Testing condition:
Cooling: entering air temp 27 ℃ DB/19.5 ℃ WB; entering water temp 7 ℃ , leaving water temp 12 ℃ ;
Heating: entering air temp 21 ℃ ; entering water temp 60 ℃ , the same water flow as in cooling;

2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;

3. Static pressure is measured without filter and air outlet.

Specification

DCHB - Large Air Flow & High Static Pressure Type 2 Pipe 3 Rows EC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	6.10	7.50	9.00	11.50	13.50	13.68	15.80	16.68	20.80	27.00	31.40
	M	kW	5.49	6.68	8.19	10.58	11.88	12.04	13.75	14.28	18.30	24.03	27.32
	L	kW	5.06	6.30	7.65	9.43	11.21	11.35	13.11	13.51	17.47	22.68	26.38
Sensible Cooling Capacity	H	kW	4.60	5.60	6.50	8.30	10.00	11.40	11.80	12.68	15.30	19.60	23.10
	M	kW	4.00	4.82	5.66	7.22	8.40	9.58	9.91	10.65	13.01	16.66	19.17
	L	kW	3.50	4.31	5.07	6.31	7.60	8.66	9.09	9.63	11.63	15.09	17.79
Heating Capacity	H	kW	9.30	11.50	14.10	18.10	20.90	21.60	25.00	25.02	32.10	42.20	49.20
	M	kW	8.09	10.12	12.55	15.75	18.81	19.44	22.25	20.52	29.21	38.40	43.30
	L	kW	7.72	9.66	11.84	15.20	17.35	17.93	21.00	18.77	27.29	34.60	40.84
Power Input	80Pa-H	W	135	210	255	293	353	398	533	480	600	735	878
	130Pa-H	W	168	259	315	364	434	448	581	525	665	791	945
	180Pa-H	W	192	300	360	408	480	498	570	600	744	882	1056
Max Current	A		0.9	1.4	1.6	1.9	2.2	2.3	2.6	2.7	3.4	4.0	4.8
Static Pressure	Pa		80/130/180 Pa										
Noise Level	80Pa-H	dB(A)	35-48	36-49	36-50	37-52	37-55	37-56	37-56	38-57	38-60	39-61	40-62
	130Pa-H	dB(A)	35-51	36-52	36-53	37-55	38-58	38-58	38-59	38-60	40-62	41-64	41-65
	180Pa-H	dB(A)	35-53	37-55	37-56	38-58	38-60	39-61	40-62	40-63	41-65	42-67	42-67
Water Flow	kg/h		1000	1200	1500	1900	2200	2	2600	3	3400	4500	5200
	l/s		0.278	0.333	0.417	0.528	0.611	0.643	0.722	0.001	0.944	1.250	1.444
Water Resistance	kPa		8.7	11.7	16.8	25.4	35.0	38.0	43.5	40.0	25.4	39.5	48.7
Fan Type			Forward curve centrifugal fan										
Motor	Type		EC Motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		3										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4			1" MPT			1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H mm		980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H mm		1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		37.0	40.0	47.0	52.0	58.0	60.0	62.0	65.0	80.0	103.0	111.0
Gross Weight	kg		42.0	46.0	54.0	60.0	67.0	67.0	70.0	73.0	88.0	112.0	120.0

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃ , leaving water temp 12℃ ;
Heating: entering air temp 21℃ ; entering water temp 60℃ , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

DCHB - Large Air Flow & High Static Pressure Type 2 Pipe 4 Rows EC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	7.60	10.10	11.80	14.20	16.40	16.62	18.60	19.64	26.30	35.00	39.70
	M	kW	6.84	8.99	10.74	13.06	14.43	14.62	16.18	17.09	23.14	31.15	34.54
	L	kW	6.31	8.48	10.03	11.64	13.61	13.79	15.44	16.30	22.09	29.40	33.35
Sensible Cooling Capacity	H	kW	5.80	7.50	8.70	10.60	12.50	12.67	14.10	14.89	19.30	25.60	29.80
	M	kW	5.05	6.45	7.57	9.22	10.50	10.64	11.84	12.51	16.41	21.76	24.73
	L	kW	4.41	5.78	6.79	8.06	9.50	9.63	10.86	11.46	14.67	19.71	22.95
Heating Capacity	H	kW	12.00	15.50	18.30	22.40	25.00	25.33	28.50	30.10	41.30	55.40	61.60
	M	kW	10.44	13.64	16.29	19.49	22.50	22.79	25.37	26.78	37.58	50.41	54.21
	L	kW	9.96	13.02	15.37	18.82	20.75	21.03	23.94	25.28	35.11	45.43	51.13
Power Input	60Pa-H	W	158	240	300	360	413	413	563	495	638	818	960
	110Pa-H	W	182	287	350	399	448	448	595	546	672	861	1022
	160Pa-H	W	210	330	390	462	516	516	582	618	756	936	1104
Max Current	A		1.0	1.5	1.8	2.1	2.3	2.3	2.6	2.8	3.4	4.3	5.0
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	35-48	36-50	36-51	37-53	37-56	38-57	38-57	38-58	38-60	40-62	40-64
	110Pa-H	dB(A)	35-51	36-52	36-53	37-55	38-58	38-58	38-60	39-61	40-63	41-65	41-66
	160Pa-H	dB(A)	35-53	37-56	37-56	38-58	39-61	40-62	40-63	40-64	41-66	42-68	43-70
Water Flow	kg/h		1307	1737	2030	2442	2821	2858	3199	3378	4524	6020	6828
	l/s		0.363	0.483	0.564	0.678	0.784	0.794	0.889	0.938	1.257	1.672	1.897
Water Resistance	kPa		12.3	16.2	23.5	32.9	42.1	43.0	48.7	50.0	30.2	42.3	53.4
Fan Type			Forward curve centrifugal fan										
Motor	Type		EC Motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		4										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			1" MPT						1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃ , leaving water temp 12℃ ;
Heating: entering air temp 21℃ ; entering water temp 60℃ , the same water flow as in cooling;
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;
3. Static pressure is measured without filter and air outlet.

Specification

DCHB - Large Air Flow & High Static Pressure Type 4 Pipe 3+1 Rows EC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	6.10	7.50	9.00	11.50	13.50	13.68	15.80	16.68	20.80	27.00	31.40
	M	kW	5.49	6.68	8.19	10.58	11.88	12.03	13.75	14.51	18.30	24.03	27.32
	L	kW	5.06	6.30	7.65	9.43	11.21	11.35	13.11	13.85	17.47	22.68	26.38
Sensible Cooling Capacity	H	kW	4.60	5.60	6.50	8.30	10.00	10.13	11.80	12.46	15.30	19.60	23.10
	M	kW	4.00	4.82	5.66	7.22	8.40	8.51	9.91	10.47	13.01	16.66	19.17
	L	kW	3.50	4.31	5.07	6.31	7.60	7.70	9.09	9.59	11.63	15.09	17.79
Heating Capacity	H	kW	4.19	5.18	6.35	8.15	9.41	9.72	11.25	11.26	14.45	18.99	22.14
	M	kW	3.64	4.55	5.65	7.09	8.46	8.57	10.01	10.57	13.14	17.28	19.48
	L	kW	3.47	4.35	5.33	6.84	7.81	7.91	9.45	9.98	12.28	15.57	18.38
Power Input	60Pa-H	W	158	240	300	360	413	413	563	495	638	818	960
	110Pa-H	W	182	287	350	399	448	448	595	546	672	861	1022
	160Pa-H	W	210	330	390	462	516	516	582	618	756	936	1104
Max Current	A		1.0	1.5	1.8	2.1	2.3	2.3	2.6	2.8	3.4	4.3	5.0
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	35-48	36-50	36-51	37-53	37-56	38-57	38-57	38-58	38-60	40-62	40-64
	110Pa-H	dB(A)	35-51	36-52	36-53	37-55	38-58	38-58	38-60	39-61	40-63	41-65	41-66
	160Pa-H	dB(A)	35-53	37-56	37-56	38-58	39-61	40-62	40-63	40-64	41-66	42-68	43-70
Water Flow	Cooling 3R	kg/h	1049	1290	1548	1978	2322	2353	2718	2870	3578	4644	5401
		l/s	0.291	0.358	0.430	0.549	0.645	0.654	0.755	0.797	0.994	1.290	1.500
	Heating 1R	kg/h	360	445	546	700	809	836	968	968	1242	1633	1904
		l/s	0.100	0.124	0.152	0.195	0.225	0.232	0.269	0.269	0.345	0.454	0.529
Water Resistance	Cooling 3R	kPa	8.7	11.7	16.8	25.4	35.0	38.0	43.5	45.0	25.4	39.5	48.7
	Heating 1R	kPa	8.7	11.7	16.8	25.4	35.0	38.0	43.5	45.0	25.4	39.5	48.7
Fan Type			Forward curve centrifugal fan										
Motor	Type		EC Motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		3+1										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4		1" MPT				1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:

1. Nominal Testing condition:
Cooling: entering air temp 27 ℃ DB/19.5 ℃ WB; entering water temp 7 ℃ , leaving water temp 12 ℃ ;
Heating: entering air temp 21 ℃ ; entering water temp 60 ℃ , the same water flow as in cooling;

2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit;

3. Static pressure is measured without filter and air outlet.

DCHB - Large Air Flow & High Static Pressure Type 4 Pipe 2+2 Rows EC Motor

Model			FC06	FC08	FC10	FC12	FC15	FC16	FC18	FC20	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1600	1894	2000	2526	3159	3682
		m³/h	1070	1430	1790	2145	2685	2720	3220	3400	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1392	1648	1740	2173	2685	3167
		m³/h	920	1244	1522	1845	2336	2367	2801	2958	3694	4565	5384
	L	CFM	472	622	790	959	1185	1201	1421	1501	1920	2338	2688
		m³/h	803	1058	1343	1630	2014	2041	2415	2550	3264	3974	4570
Total Cooling Capacity	H	kW	5.12	6.30	7.56	9.66	11.34	11.49	13.27	14.01	17.47	22.68	26.38
	M	kW	4.61	5.61	6.88	8.89	9.98	10.11	11.55	12.19	15.38	20.19	22.95
	L	kW	4.25	5.29	6.43	7.92	9.41	9.54	11.02	11.63	14.68	19.05	22.16
Sensible Cooling Capacity	H	kW	5.80	7.50	8.70	10.60	12.50	12.67	14.10	14.89	19.30	25.60	29.80
	M	kW	5.05	6.45	7.57	9.22	10.50	10.64	11.84	12.51	16.41	21.76	24.73
	L	kW	4.41	5.78	6.79	8.06	9.50	9.63	10.86	11.46	14.67	19.71	22.95
Heating Capacity	H	kW	7.81	9.66	11.84	15.20	17.56	18.14	21.00	21.02	26.96	35.45	41.33
	M	kW	6.80	8.50	10.54	13.23	15.80	16.01	18.69	19.73	24.54	32.26	36.37
	L	kW	6.48	8.11	9.95	12.77	14.57	14.77	17.64	18.63	22.92	29.07	34.30
Power Input	60Pa-H	W	158	240	300	360	413	413	563	495	638	818	960
	110Pa-H	W	182	287	350	399	448	448	595	546	672	861	1022
	160Pa-H	W	210	330	390	462	516	516	582	618	756	936	1104
Max Current	A		1.0	1.5	1.8	2.1	2.3	2.3	2.6	2.8	3.4	4.3	5.0
Static Pressure	Pa		60/110/160 Pa										
Noise Level	60Pa-H	dB(A)	35-48	36-50	36-51	37-53	37-56	38-57	38-57	38-58	38-60	40-62	40-64
	110Pa-H	dB(A)	35-51	36-52	36-53	37-55	38-58	38-58	38-60	39-61	40-63	41-65	41-66
	160Pa-H	dB(A)	35-53	37-56	37-56	38-58	39-61	40-62	40-63	40-64	41-66	42-68	43-70
Water Flow	Cooling 2R	kg/h	881	1084	1300	1662	1950	1976	2283	2410	3005	3901	4537
		l/s	0.245	0.301	0.361	0.462	0.542	0.549	0.634	0.669	0.835	1.084	1.260
	Heating 2R	kg/h	672	831	1019	1308	1510	1560	1806	1807	2319	3049	3554
		l/s	0.187	0.231	0.283	0.363	0.419	0.433	0.502	0.502	0.644	0.847	0.987
Water Resistance	Cooling 2R	kPa	12.3	16.2	23.5	32.9	42.1		48.7	50.0	30.2	42.3	53.4
	Heating 2R	kPa	12.3	16.2	23.5	32.9	42.1		48.7	50.0	30.2	42.3	53.4
Fan Type			Forward curve centrifugal fan										
Motor	Type		EC Motor										
	Insulation		Class B										
	Power Supply		220~230V/1Ph/50 or 60Hz										
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Rows		2+2										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			ZG3" /4		1" MPT				1 1/4" MPT				
Condensate Water Pipe			3/4" MPT										
Unit Dimension	W/D/H	mm	980*610*345	1080*610*345	1180*610*345	1380*610*345	1480*610*345	1480*610*345	1280*660*445	1380*660*445	1780*660*445	1980*660*445	2180*660*445
Packing Dimension	W/D/H	mm	1010*640*370	1110*640*370	1210*640*370	1410*640*370	1510*640*370	1510*640*370	1310*690*470	1410*690*470	1810*690*470	2010*690*470	2210*690*470
Unit Weight	kg		39.0	42.0	49.0	55.0	61.0	62.0	65.0	69.0	85.0	107.0	116.0
Gross Weight	kg		44.0	48.0	56.0	63.0	70.0	69.0	73.0	77.0	93.0	116.0	125.0

Note:

1. Nominal Testing condition:
Cooling: entering air temp 27 ℃ DB/19.5 ℃ WB; entering water temp 7 ℃ , leaving water temp 12 ℃ ;
Heating: entering air temp 21 ℃ ; entering water temp 60 ℃ , the same water flow as in cooling;

2

Vertical Exposed Ultra-thin

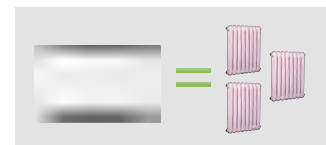


Features and benefits

- High Efficiency & Energy Saving

Compared with the traditional heating radiators, the ultra-thin fan coil unit can save more than 30% energy consumption.

Compared with the traditional AC motor fan coil, the ultra-thin fan coil unit equipped with EC motor can save up to 50% energy consumption.



The capacity of 1 ultra-thin fan coil is equal to that of 3 common radiators.

- Easy Installation

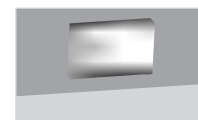
The ultra-thin fan coil unit is flexible to be installed wherever you want because of its varied installation ways. Besides the ceiling installation, users can choose floor standing or wall mounted installation as well.



Ceiling Mounted



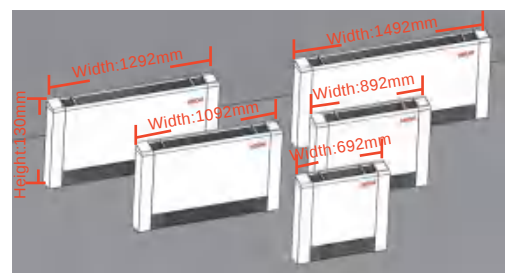
Floor Standing



Wall Mounted

- More Models More Choices

We provide totally five different models in different casings. Users can pick one which best meets their requirement for heating/cooling.



- Creative and Detail-oriented Design

Copper tube/aluminum fin coil with hydrophilic coating heat exchanger ensures the unit's higher efficiency and longer service life.

Superior quality cross-flow fan brings the unit big air volume and low noise.

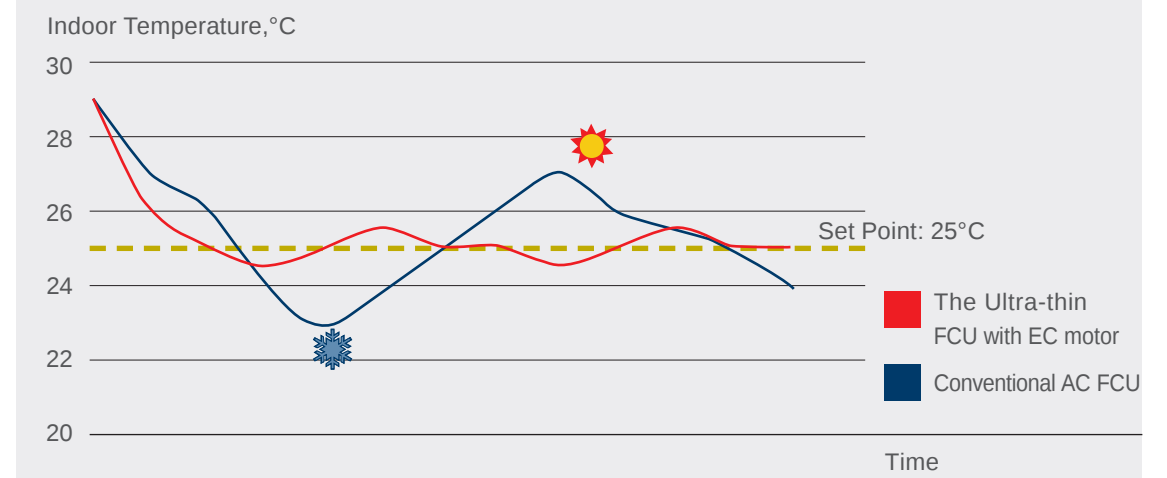
The brushless fan motor makes the unit be with lower noise and higher speed in operation.

- More Comfortable

The ultra-thin fan coil unit adopts electronic commutation motor to replace the carbon brush motor to avoid electromagnetic interference and electromagnetic noise generated by the mechanical commutation. Its quiet operation and varied speed adjustment help create a comfortable indoor environment with a swift indoor temperature response and comfortable air flow.

The traditional AC fan coil unit has a plus or minus 2°C indoor temperature deviation, which easily causes sudden hot or cold, while the ultra-thin fan coil unit achieves a plus or minus 0.5°C indoor temperature accuracy via motor varied speed regulation fan to create a more comfortable environment.

Indoor Temperature Response Comparison



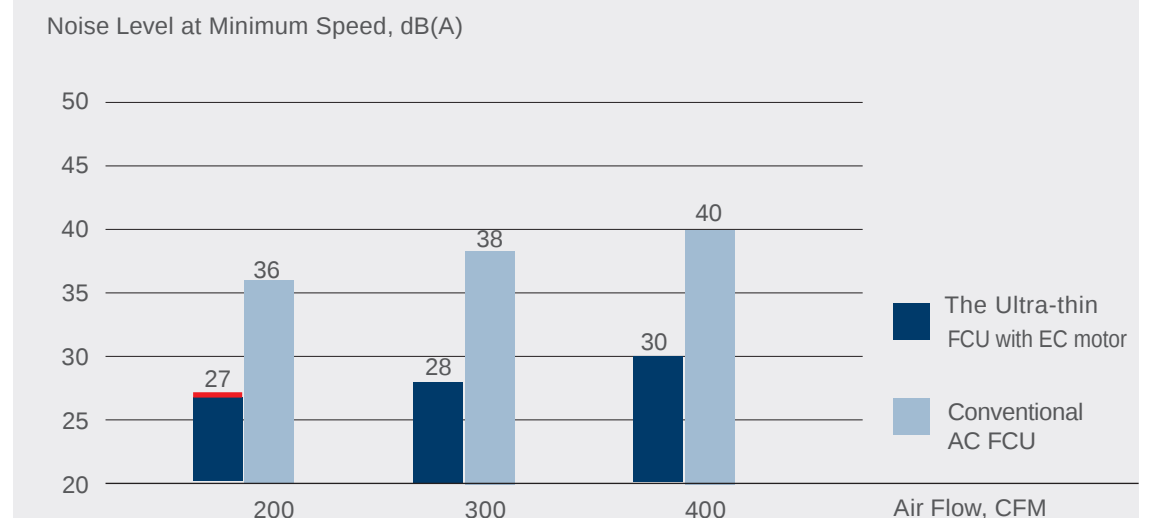
The ultra-thin fan coil unit features stable running and slight vibration, greatly reducing vibration and noise caused by on/off switch.

The ultra-thin fan coil unit can realize minimum RPM running via speed pre-adjustment.

The ultra-thin fan coil unit has a proper diameter plastic fan and a low noise fan motor.

Every unit is strictly tested for dynamic balancing before delivery, in order to ensure minimum noise level upon a satisfied air flow and external pressure basis.

Noise Level Comparison



Specification

VED - Vertical Exposed Ultra Thin Type 2 Pipe 2 Rows EC Motor

Model		FC-020	FC-032	FC-046	FC-058	FC-065
Air Flow Max.	m³/h	200	320	460	580	650
Air Flow Min.	m³/h	80	120	180	220	260
Cooling Capacity	W	1050	1980	2890	3620	4130
Cooling Capacity	BTU/h	3582	6755	9860	12351	14091
Heating Capacity*	W	1500	2850	4200	5250	6000
Heating Capacity*	BTU/h	5118	9724	14330	17912	20471
Heating Capacity**	W	2600	3985	5820	7250	9480
Heating Capacity**	BTU/h	8871	13596	19857	24736	32344
Noise Level Max.	dB(A)	30	32	36	38	40
Noise Level Min.	dB(A)	24	27	28	28	30
Power Supply	/	220~230V/1Ph/50 or 60Hz				
Power Input	W	18	24	35	40	45
Water Flow	m³/h	0.17	0.33	0.49	0.6	0.64
Water Resistance	kPa	12	14	18	20	24
Water Inlet Pipe	inch	ZG3/4"				
Water Outlet Pipe	inch	ZG3/4"				
Max. Working Pressure	MPa	1.6				
Condensing Water Pipe	mm	φ16				
Net Weight	kg	15.2	19.6	24	28	33.8
Gross Weight	kg	17	22	27	32	38
Unit Net Dimension	W/D/H mm	692*131*657	892*131*657	1092*131*657	1292*131*657	1492*131*657
Packing Dimension	W/D/H mm	760*200*730	960*200*730	1160*200*730	1360*200*730	1560*200*730

*Condition:
1. Cooling: Ambient temp. (DB/WB) 27/19 °C , Water temp. (Inlet/Outlet): 7/12 °C .
2. Heating*: Ambient temp. (DB/WB) 21/- °C , Water temp. (Inlet/):50 °C .
3. Heating**: Ambient temp. (DB/WB) 21/- °C , Water temp. (Inlet/):70 °C

Vertical Exposed Ultra-thin with Glass Panel



Features and benefits

Modern glass front panel design in white or black with a thickness of only 130mm. Five models available covering almost all size of bedroom and living room cooling/heating capacity requirements.



Simple installation to be floor standing or wall hanging vertically.



Very low power consumption at low fan speed.
Automatic adjustment of the air speed.
Ability to connect to a common simple remote controller for easy management.
In-built touch screen thermostat, optional WIFI function makes it possible to be operated on smart phone.



Extremely silent (down to 25dB), perfect even in a bedroom.



Specification

VEG - Vertical Exposed Ultra Thin Type with Glass Panel EC Motor

Model		FC-020	FC-032	FC-046	FC-058	FC-065
Air Flow Max.	m³/h	200	320	460	580	650
Air Flow Min.	m³/h	80	120	180	220	260
Cooling Capacity	W	1050	1980	2890	3620	4130
Cooling Capacity	BTU/h	3582	6755	9860	12351	14091
Heating Capacity*	W	1500	2850	4200	5250	6000
Heating Capacity*	BTU/h	5118	9724	14330	17912	20471
Heating Capacity**	W	2600	3985	5820	7250	9480
Heating Capacity**	BTU/h	8871	13596	19857	24736	32344
Noise Level Max.	dB(A)	30	32	36	38	40
Noise Level Min.	dB(A)	24	27	28	28	30
Power Supply	/	220~230V/1Ph/50 or 60Hz				
Power Input	W	18	24	35	40	45
Water Flow	m³/h	0.17	0.33	0.49	0.6	0.64
Water Resistance	kPa	12	14	18	20	24
Water Inlet Pipe	inch	ZG3/4"				
Water Outlet Pipe	inch	ZG3/4"				
Max. Working Pressure	MPa	1.6				
Condensing Water Pipe	mm	φ16				
Net Weight	kg	15.2	19.6	24	28	33.8
Gross Weight	kg	17	22	27	32	38
Unit Net Dimension	W/D/H mm	692*130*718	892*130*718	1092*130*718	1292*130*718	1492*130*718
Packing Dimension	W/D/H mm	760*200*790	960*200*790	1160*200*790	1360*200*790	1560*200*790

*Condition:
1. Cooling: Ambient temp. (DB/WB) 27/19 °C , Water temp. (Inlet/Outlet): 7/12 °C .
2. Heating*: Ambient temp. (DB/WB) 21/- °C , Water temp. (Inlet/):50 °C .
3. Heating**: Ambient temp. (DB/WB) 21/- °C , Water temp. (Inlet/):70 °C

Ceiling Concealed Ultra thin Type



Features and benefits

Compact design: only 185 mm thickness, more suitable for residential use, save space for room ceiling height, leave more space for rooms.
Coated with stylish sky grey color painting, what you see and feel is only quality.

ABS fan is produced by integrated injection molding, which results in better stability and lower noise level.
A special latch fastener design for the fan makes it very easy for after sales service.



Insulation material is put inside the fan coil unit, which is not easy to be damaged while being performed well on avoiding condensing problem.

EC motor with in-built PCB, benefits in more energy saving and much lower noise level. Besides, the motor running speed at high/medium/low can all be adjusted by a simple speed controller, this can ensure that the fan coils can be widely used in many different projects meeting customers real requirements.



Specification

SCB - Ceiling Concealed Ultra Thin Type 2 Pipe 2 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08
Air Flow	H	m³/h	340	510	680	850	1020	1360
	M	m³/h	285	398	540	675	810	1229
	L	m³/h	190	265	360	450	540	931
Cooling Capacity	H	W	1800	2700	3600	4500	5400	7200
	M	W	1620	2440	3290	4120	4850	6550
	L	W	1310	2010	2650	3320	3900	5300
Heating Capacity	H	W	2700	4050	5400	6750	8100	10800
	M	W	2350	3520	4530	6040	6850	9260
	L	W	1944	2997	3996	4995	5832	7776
Power Input	H (12 Pa)	W	37	30	36	44	56	78
Noise Level	H (12 Pa)	dB(A)	37	39	41	43	45	46
	M	dB(A)	30	32	34	36	38	39
	L	dB(A)	24	25	27	28	29	30
Water Flow		L/h	360	482	655	814	936	1285
Water Resistance		kPa	30	30	30	30	40	40
Water inlet pipe			3/4" inner grooved					
Condensing water pipe			3/4" outer grooved					
Net Weight		kg	16.2	17.6	18.4	21.9	26.4	37.9
Gross Weight		kg	17.6	19.1	20	24	28.7	40.9
Unit Net Dimension (W*D*H)		mm	785*470*185	835*470*185	895*470*185	1105*470*185	1300*470*185	1650*470*185
Packing Dimension (W*D*H)		mm	805*490*210	855*490*210	915*490*210	1190*490*210	1320*490*210	1670*490*210

SCB - Ceiling Concealed Ultra Thin Type 2 Pipe 3 Rows EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08
Air Flow	H	m³/h	340	510	680	850	1020	1360
	M	m³/h	285	398	540	675	810	1229
	L	m³/h	190	265	360	450	540	931
Cooling Capacity	H	W	2170	3120	4090	4750	6070	8210
	M	W	1953	2820	3738	4349	5452	7469
	L	W	1579	2323	3011	3504	4384	6043
Heating Capacity	H	W	3497	5014	6738	7618	9760	13176
	M	W	3044	4358	5652	6817	8254	11297
	L	W	2518	3710	4986	5637	7027	9487
Power Input	H (12 Pa)	W	37	30	36	44	56	78
Noise Level	H (12 Pa)	dB(A)	37	39	41	43	45	46
	M	dB(A)	30	32	34	36	38	39
	L	dB(A)	24	25	27	28	29	30
Water Flow		L/h	373	537	703	817	1044	1412
Water Resistance		kPa	30	30	30	30	40C	40
Water inlet pipe			3/4" inner grooved					
Condensing water pipe			3/4" outer grooved					
Net Weight		kg	16.5	18.1	18.9	22.5	27.1	38.7
Gross Weight		kg	17.9	19.5	20.5	24.6	29.4	41.6
Unit Net Dimension (W*D*H)		mm	785*470*185	835*470*185	895*470*185	1105*470*185	1300*470*185	1650*470*185
Packing Dimension (W*D*H)		mm	805*490*210	855*490*210	915*490*210	1190*490*210C	1320*490*210	1670*490*210

*Condition:
1. Cooling: Ambient temp. (DB/WB) 27/19 C , Water temp. (Inlet/Outlet): 7/12 C .
2. Heating: Ambient temp. (DB/WB) 21/- C , Water temp. (Inlet/):60 C .

Wall Mounted Type



Specification

Wall Mounted Type EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08
Air Flow	H	m³/h	340	510	680	850	1020	1250
	M	m³/h	260	380	515	650	765	950
	L	m³/h	180	260	340	430	520	600
Cooling Capacity	H	W	2200	3000	4000	4800	5700	7000
	M	W	1800	2500	3250	3900	4650	5700
	L	W	1350	2100	2500	2950	3500	4200
Heating capacity (1)	H	W	2200	3000	4000	4800	5700	7000
	M	W	1800	2500	3250	3900	4650	5700
	L	W	1350	2100	2500	2950	3500	4200
Heating capacity (2)	H	W	3500	4800	6400	7700	9200	11000
	M	W	2850	4000	5200	6250	7450	8950
	L	W	2150	3350	4000	4750	5650	6800
Power supply			220~230V/1Ph/50 or 60Hz					
Power input	H(0Pa)	W	20	30	36	44	56	75
Noise level	H(0Pa)	dB(A)	28	37	41	43	44	48
Water flow		m³/h	0.38	0.51	0.68	0.82	0.97	1.2
Water resistance		kPa	13	21	21	28	40	50
Water inlet pipe			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"
Condensing water pipe			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"
Unit Net Dimension (W*H*D)		mm	850*291*203	850*291*203	972*302*224	972*302*224	1081*327*248	1081*327*248
Net weight		kg	11	11	14.5	14.5	18	18

Note:
1. Cooling: Ambient temp. (DB/WB) 27/19.5 C , Water temp. (Inlet/Outlet): 7/12 C .
2. Heating (1) : Ambient temp. (DB/WB) 21/- C , Water temp. (Inlet/):45 C .
3. Heating (2) : Ambient temp. (DB/WB) 21/- C , Water temp. (Inlet/):60 C .

1-Way Cassette Type



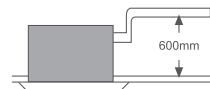
Features and benefits

- Stylish and elegant design in harmony with top interior decoration requirement.
- Much more fresh air by utilizing high efficiency synthetic fiber washable filter.



- Maximum utilization of room space with recessed ceiling installation.
- Newly designed pressure-stable centrifugal fan ensures the lowest operation noise.

- High efficiency drainage system with water lifting pump up to 600mm.



- Compact design as unit height only 235mm, easy for installation.

Specification

Model			FC02	FC03	FC04	FC05	FC06
Air Flow	H	CFM	200	300	400	500	600
		m³/h	340	510	680	850	1020
	M	CFM	159	235	306	376	441
		m³/h	270	400	520	640	750
	L	CFM	112	176	235	288	353
		m³/h	190	300	400	490	600
Total Cooling Capacity	H	kW	1.90	2.70	3.60	4.50	5.40
	M	kW	1.50	2.20	2.80	3.40	4.00
	L	kW	1.00	1.60	2.20	2.60	3.20
Sensible Cooling Capacity	H	kW	1.30	1.90	2.50	3.20	3.30
	M	kW	1.10	1.60	2.10	2.50	2.60
	L	kW	0.80	1.30	1.70	2.00	2.10
Heating Capacity	H	kW	2.70	4.10	5.40	7.00	8.00
	M	kW	2.20	3.20	4.10	5.20	6.00
	L	kW	1.50	2.40	3.20	3.90	4.80
Power Input		W	45	54	62	100	110
Running Current		A	0.2	0.24	0.28	0.46	0.51
Noise Level (H/M/L)		dB(A)	39/36/30	39/36/30	40/37/31	44/40/36	45/41/37
Water Flow		kg/h	330	480	625	780	930
		l/s	0.092	0.133	0.174	0.217	0.224
Water Resistance		kPa	10	15	18	25	31
Fan Type			Centrifugal Fan				
Motor	Type		Split Permanent Capacitor Motor				
	Insulation Class		Class B				
	Power Supply (V/Ph/Hz)		220~230V/1Ph/50 or 60Hz				
	Power Consumption (W)		45	54	62	100	110
Coil	Type		Seamless copper mechanically expanded into aluminum fins				
	Rows		2		3	4	
	Max. Working Pressure		1.4 MPa				
Inlet/Outlet Water Pipe			3/4" FPT				
Condensate Water Pipe			Φ26				
Controller			Infrared Remote Controller (Optional: Wired Controller)				
Net Dimension W/D/H	Unit	mm	850*480*235				
	Panel	mm	1055*580*30				
Packing Dimension W/D/H		mm	1100*635*295				
Net Weight		kg	22			23	
Gross Weight		kg	23			24	

Note:

1. Nominal Testing condition:

Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C, leaving water temp 12 °C;

Heating: entering air temp 21 °C; entering water temp 60 °C, the same water flow as in cooling;

2. Sound pressure level are measured in acoustic room, position of the measure point is 1.5m below the vertical center line of the unit.

4-Way Cassette Type



Features and benefits

- Maximum utilization of room space with recessed ceiling installation.

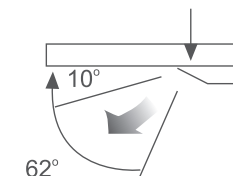


- Round and optimized engineering designed coils enables the most effective energy exchanging.

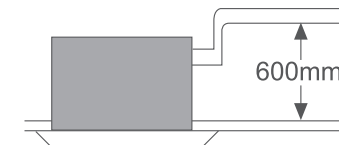
- Newly designed pressure-stable radial fan ensures the lowest operation noise.



- 4-way air blowing and wide angle flapping guarantees average energy diffusion.



- High efficiency drainage system with water lifting pump up to 600mm.



- Stylish and elegant design in harmony with top interior decoration requirement.

- Much more fresh air by utilizing high efficiency synthetic fiber washable filter.

Specification

CAQ2 - Four Way Cassette Type 2 Pipe System AC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14	FC17	
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400	1700	
		m³/h	340	510	680	850	1020	1360	1700	2040	2380	2890	
	M	CFM	150	225	300	375	450	600	750	900	1050	1275	
		m³/h	255	383	510	638	765	1020	1275	1530	1785	2100	
	L	CFM	100	150	200	250	300	400	500	600	700	850	
		m³/h	170	255	340	425	510	680	850	1020	1190	1600	
Total Cooling Capacity	H	kW	1.80	2.70	3.60	4.50	5.40	7.20	9.00	10.80	12.60	15.3	
	M	kW	1.44	2.16	2.88	3.60	4.32	5.76	7.20	8.64	10.08	11.7	
	L	kW	1.08	1.62	2.16	2.70	3.24	4.32	5.40	6.48	7.56	9.3	
Sensible Cooling Capacity	H	kW	1.36	2.10	2.79	3.37	4.09	5.70	6.78	8.24	9.32	11.32	
	M	kW	1.09	1.68	2.19	2.60	3.13	4.30	5.30	6.49	7.30	8.86	
	L	kW	0.88	1.32	1.74	2.12	2.53	3.49	4.31	5.31	5.86	7.11	
Heating Capacity	H	kW	2.70	4.05	5.40	6.75	8.10	10.80	13.50	16.20	18.90	23.7	
	M	kW	2.16	3.24	4.32	5.40	6.48	8.64	10.80	12.96	15.12	17.5	
	L	kW	1.62	2.43	3.24	4.05	4.86	6.48	8.10	9.72	11.34	13.8	
Power Input		W	36	50	60	74	93	130	147	183	221	330	
Running Current		A	0.16	0.23	0.27	0.34	0.42	0.59	0.67	0.83	1	1.43	
Noise Level (H/M/L)		dB(A)	37/30/26	39/33/29	41/36/32	43/34/30	45/36/32	46/41/34	48/41/35	50/43/37	52/47/43	57/53/48	
Water Flow		kg/h	320	500	610	780	940	1200	1650	1850	2150	2640	
		l/s	0.089	0.139	0.169	0.217	0.261	0.333	0.458	0.514	0.597	0.733	
Water Resistance		kPa	30	30	30	30	40	40	40	40	50	50	
Fan Type			Centrifugal Fan										
Motor	Type		Split Permanent Capacitor Motor										
	Insulation Class		Class B										
	Power Supply (V/Ph/Hz)		220~230V/1Ph/50 or 60Hz										
	Power Consumption (W)		24	38		62	81	118	135	171	209	318	
Coil	Type		Seamless copper mechanically expanded into aluminum fins										
	Max. Working Pressure		1.6 MPa										
Inlet/Outlet Water Pipe			3/4" FPT										
Condensate Water Pipe			Φ26										
Controller			Infrared Remote Controller (Optional: Wired Controller)										
Net Dimension W/D/H	Unit	mm	580*580*250				705*705*290			832*832*290			960*960*290
	Panel	mm	680*680*30				830*830*30			980*980*30			1140*1140*30
Packing Dimension W*D*H	Unit	mm	675*675*270				800*800*310			925*925*310			1054*1054*305
	Panel	mm	720*710*75				860*860*75			1010*1010*75			1170*1170*75
Net Weight	Unit	kg	16.4				21.5			26.7			37.6
	Panel	kg	2.3				3.3			5.2			7.8
Gross Weight	Unit	kg	19				24.3			30.5			42.2
	Panel	kg	3.3				4.9			7.1			10.5

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;

CAQ4 - Four Way Cassette Type 4 Pipe System AC Motor

Model			FC04	FC05	FC06	FC08	FC10	FC12	FC14	FC17	
Air Flow	H	CFM	400	500	600	800	1000	1200	1400	1700	
		m³/h	680	850	1020	1360	1700	2040	2380	2890	
	M	CFM	300	375	450	600	750	900	1050	1275	
		m³/h	510	510	510	510	510	510	510	2100	
	L	CFM	200	250	300	400	500	600	700	850	
		m³/h	340	425	510	680	850	1020	1190	1600	
Total Cooling Capacity	H	kW	2.60	3.10	3.60	4.80	6.00	7.00	8.40	10.3	
	M	kW	2.00	2.40	2.80	3.70	4.70	6.00	6.50	7.50	
	L	kW	1.40	1.80	2.10	3.00	3.60	4.60	5.00	5.70	
Sensible Cooling Capacity	H	kW	1.95	2.33	2.70	3.60	4.50	5.25	6.30	7.73	
	M	kW	1.56	1.86	2.16	2.88	3.60	4.20	5.04	6.18	
	L	kW	1.17	1.40	1.62	2.16	2.70	3.15	3.78	4.64	
Heating Capacity	H	kW	2.60	3.50	4.30	4.90	6.50	7.20	8.70	11.9	
	M	kW	2.00	2.70	3.20	4.30	5.40	5.60	7.60	8.70	
	L	kW	1.40	2.10	2.50	3.50	4.20	4.30	5.80	6.60	
Power Input		W	60	74	93	130	147	183	221	330	
Running Current		A	0.28	0.35	0.44	0.61	0.69	0.86	1.04	1.43	
Noise Level (H/M/L)		dB(A)	41/36/32	43/34/30	45/36/32	46/41/34	48/41/35	50/43/37	52/47/43	57/53/48	
Water Flow	Cooling Coil	kg/h	450	540	625	830	1050	1400	1500	1800	
	Cooling Coil	l/s	0.125	0.150	0.174	0.231	0.292	0.389	0.417	0.500	
	Heating Coil	kg/h	260	355	440	550	700	725	980	1185	
	Heating Coil	l/s	0.072	0.099	0.122	0.153	0.194	0.201	0.272	0.329	
Water Resistance	Cooling Coil	kPa	11	17	22	24	27	30	35	40	
	Heating Coil	kPa	1	1.5	2	3	6	8	9	10	
Fan Type			Centrifugal Fan								
Motor	Type		Split Permanent Capacitor Motor								
	Insulation Class		Class B								
	Power Supply (V/Ph/Hz)		220~230V/1Ph/50 or 60Hz								
	Power Consumption (W)		48	62	81	118	135	171	209	318	
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ26								
Controller			Infrared Remote Controller (Optional: Wired Controller)								
Net Dimension W/D/H	Unit	mm	580*580*250		705*705*290			832*832*290			960*960*290
	Panel	mm	680*680*30		830*830*30			980*980*30			1140*1140*30
Packing Dimension W*D*H	Unit	mm	675*675*270		800*800*310			925*925*310			1054*1054*305
	Panel	mm	720*710*75		860*860*75			1010*1010*75			1170*1170*75
Net Weight	Unit	kg	17		22.2			27.4			38.3
	Panel	kg	2.3		3.4			5.2			7.8
Gross Weight	Unit	kg	19.6		25			31.2			42.9
	Panel	kg	3.4		4.9			7.2			10.5

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃;
Heating: entering air temp 21℃; entering water temp 60℃, the same water flow as in cooling;

DCAQ2 - Four Way Cassette Type 2 Pipe System EC Motor

Model			FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	200	300	400	500	600	800	1000	1200	1400
		m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	CFM	150	225	300	375	450	600	750	900	1050
		m³/h	255	383	510	638	765	1020	1275	1530	1785
	L	CFM	100	150	200	250	300	400	500	600	700
		m³/h	170	255	340	425	510	680	850	1020	1190
Total Cooling Capacity	H	kW	1.80	2.70	3.60	4.50	5.40	7.20	9.00	10.80	12.60
	M	kW	1.44	2.16	2.88	3.60	4.32	5.76	7.20	8.64	10.08
	L	kW	1.08	1.62	2.16	2.70	3.24	4.32	5.40	6.48	7.56
Sensible Cooling Capacity	H	kW	1.36	2.10	2.79	3.37	4.09	5.70	6.78	8.24	9.32
	M	kW	1.09	1.68	2.19	2.60	3.13	4.30	5.30	6.49	7.30
	L	kW	0.88	1.32	1.74	2.12	2.53	3.49	4.31	5.31	5.86
Heating Capacity	H	kW	2.70	4.05	5.40	6.75	8.10	10.80	13.50	16.20	18.90
	M	kW	2.16	3.24	4.32	5.40	6.48	8.64	10.80	12.96	15.12
	L	kW	1.62	2.43	3.24	4.05	4.86	6.48	8.10	9.72	11.34
Power Input		W	22	30	36	44	56	78	88	114	139
Running Current		A	0.10	0.14	0.16	0.20	0.25	0.35	0.40	0.52	0.63
Noise Level (H/M/L)		dB(A)	37/30/26	39/33/29	41/36/32	43/34/30	45/36/32	46/41/34	48/41/35	50/43/37	52/47/43
Water Flow		kg/h	320	500	610	780	940	1200	1650	1850	2150
		l/s	0.089	0.139	0.169	0.217	0.261	0.333	0.458	0.514	0.597
Water Resistance		kPa	30	30	30	30	40	40	40	40	50
Fan Type			Centrifugal Fan								
Motor	Type		EC Motor								
	Insulation Class		Class B								
	Power Supply (V/Ph/Hz)		220~230V/1Ph/50 or 60Hz								
	Power Consumption (W)		10	18	24	32	44	66	76	102	127
Coil	Type		Seamless copper mechanically expanded into aluminum fins								
	Max. Working Pressure		1.6 MPa								
Inlet/Outlet Water Pipe			3/4" FPT								
Condensate Water Pipe			Φ26								
Controller			Infrared Remote Controller (Optional: Wired Controller)								
Net Dimension W/D/H	Unit	mm	580*580*250			705*705*290			832*832*290		
	Panel	mm	680*680*30			830*830*30			980*980*30		
Packing Dimension W*D*H	Unit	mm	675*675*270			800*800*310			925*925*310		
	Panel	mm	720*710*75			860*860*75			1010*1010*75		
Net Weight	Unit	kg	16.4			21.5			26.7		
	Panel	kg	2.3			3.3			5.2		
Gross Weight	Unit	kg	19			24.3			30.5		
	Panel	kg	3.3			4.9			7.1		

Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5V WB; entering water temp 7 °C , leaving water temp 12 °C ;
Heating: entering air temp 21 °C ; entering water temp 60 °C , the same water flow as in cooling;

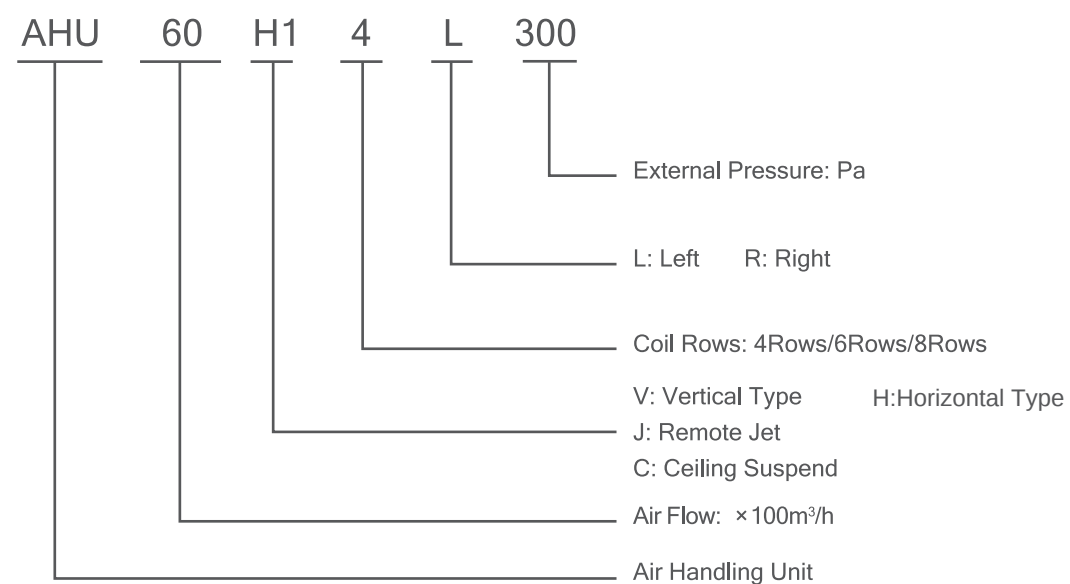
DCAQ4 - EC Motor Four Way Cassette Type 4 Pipe System EC Motor

Model			FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	400	500	600	800	1000	1200	1400
		m³/h	680	850	1020	1360	1700	2040	2380
	M	CFM	300	375	450	600	750	900	1050
		m³/h	510	510	510	510	510	510	510
	L	CFM	200	250	300	400	500	600	700
		m³/h	340	425	510	680	850	1020	1190
Total Cooling Capacity	H	kW	2.60	3.10	3.60	4.80	6.00	7.00	8.40
	M	kW	2.00	2.40	2.80	3.70	4.70	6.00	6.50
	L	kW	1.40	1.80	2.10	3.00	3.60	4.60	5.00
Sensible Cooling Capacity	H	kW	1.95	2.33	2.70	3.60	4.50	5.25	6.30
	M	kW	1.56	1.86	2.16	2.88	3.60	4.20	5.04
	L	kW	1.17	1.40	1.62	2.16	2.70	3.15	3.78
Heating Capacity	H	kW	2.60	3.50	4.30	4.90	6.50	7.20	8.70
	M	kW	2.00	2.70	3.20	4.30	5.40	5.60	7.60
	L	kW	1.40	2.10	2.50	3.50	4.20	4.30	5.80
Power Input		W	36	44	56	78	88	114	139
Running Current		A	0.16	0.20	0.25	0.35	0.40	0.52	0.63
Noise Level (H/M/L)		dB(A)	41/36/32	43/34/30	45/36/32	46/41/34	48/41/35	50/43/37	52/47/43
Water Flow	Cooling Coil	kg/h	450	540	625	830	1050	1400	1500
	Cooling Coil	l/s	0.125	0.150	0.174	0.231	0.292	0.389	0.417
	Heating Coil	kg/h	260	355	440	550	700	725	980
	Heating Coil	l/s	0.072	0.099	0.122	0.153	0.194	0.201	0.272
Water Resistance	Cooling Coil	kPa	11	17	22	24	27	30	35
	Heating Coil	kPa	1	1.5	2	3	6	8	9
Fan Type			Centrifugal Fan						
Motor	Type		EC Motor						
	Insulation Class		Class B						
	Power Supply (V/Ph/Hz)		220~230V/1Ph/50 or 60Hz						
	Power Consumption (W)		24	32	44	66	76	102	127
Coil	Type		Seamless copper mechanically expanded into aluminum fins						
	Max. Working Pressure		1.6 MPa						
Inlet/Outlet Water Pipe			3/4" FPT						
Condensate Water Pipe			Φ26						
Controller			Infrared Remote Controller (Optional: Wired Controller)						
Net Dimension W/D/H	Unit	mm	580*580*250	705*705*290			832*832*290		
	Panel	mm	680*680*30	830*830*30			980*980*30		
Packing Dimension W*D*H	Unit	mm	675*675*270	800*800*310			925*925*310		
	Panel	mm	720*710*75	860*860*75			1010*1010*75		
Net Weight	Unit	kg	17	22.2			27.4		
	Panel	kg	2.3	3.4			5.2		
Gross Weight	Unit	kg	19.6	25			31.2		
	Panel	kg	3.4	4.9			7.2		

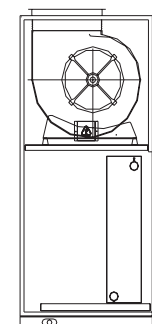
Note:
1. Nominal Testing condition:
Cooling: entering air temp 27 °C DB/19.5 °C WB; entering water temp 7 °C , leaving water temp 12 °C ;
Heating: entering air temp 21 °C ; entering water temp 60 °C , the same water flow as in cooling;

Air Handling Unit

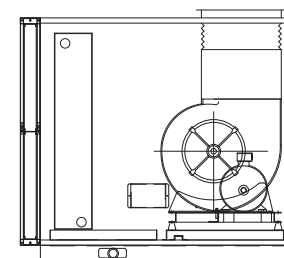
How To Read The Models



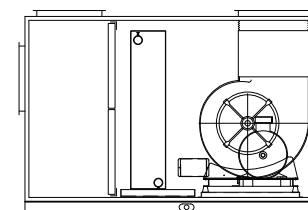
Unit Type Configuration



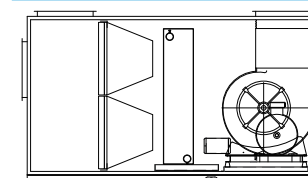
Vertical Type , V1
Pre-filter+Cooling coil +Fan section



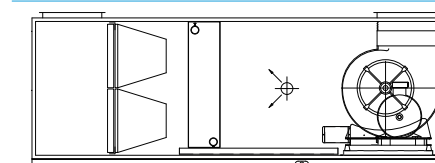
Horizontal Type 1 , H1
Pre-filter+Cooling coil+Fan section



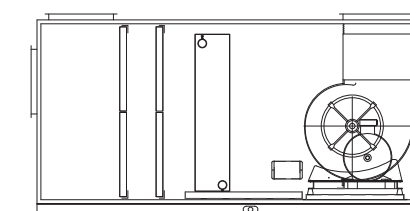
Horizontal Type 2 , H2
Mixing box+Pre-filter+Cooling coil+Fan section



Horizontal Type 3 , H3
Mixing box+Pre-filter+Secondary bag filter+Cooling coil+Fan section



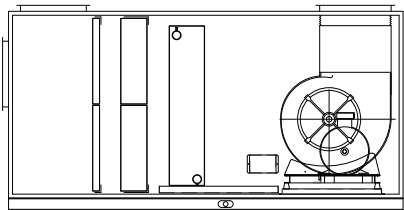
Horizontal Type 4 , H4
Mixing box+Pre-filter+Secondary bag filter+Cooling coil
+High-pressure spray humidifier+Fan section



Horizontal Type 5 , H5
Mixing box+Pre-filter+Activated carbon filter+Cooling coil+Fan section

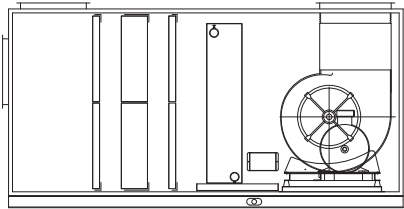
Horizontal Type 6 , H6

Mixing box+Pre-filter+Electrostatic dust collection+Cooling coil+Fan section



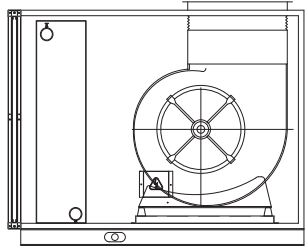
Horizontal Type 7 , H7

Mixing box+Pre-filter+Electrostatic dust collection+Activated carbon filter
+Cooling coil+Fan section



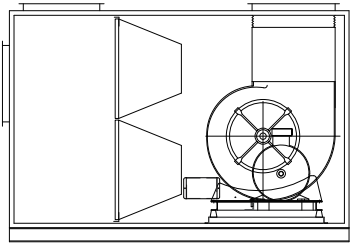
Horizontal Type 8 , H8

Pre-filter+Heating coil+Fan section



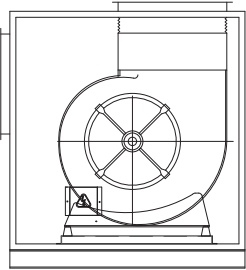
Horizontal Type 9 , H9

Mixing box+Pre-filter+Secondary bag filter+Fan section

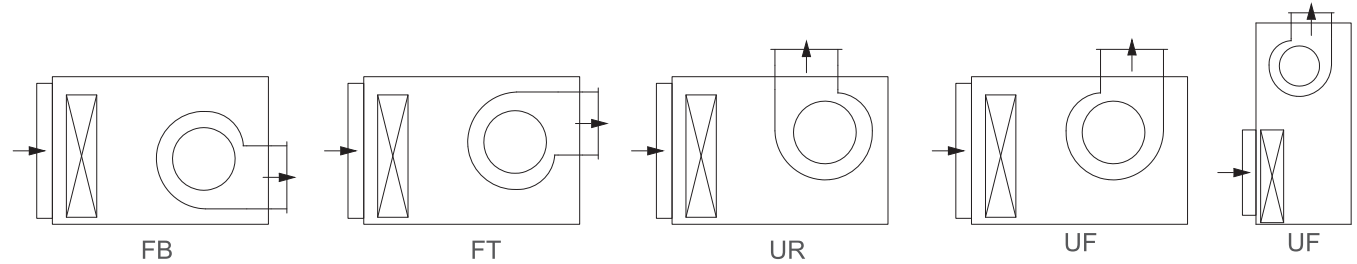


Horizontal Type 10 , H10

Air inlet section+Fan section



Fan outlet direction



Ceiling Suspend Type



Air flow: 1000 - 15000m³/h

Specification-ON/OFF Type

Model				AHU10C	AHU15C	AHU20C	AHU25C	AHU30C	AHU40C	AHU50C	AHU60C	AHU70C	AHU80C	AHU90C	AHU105C	AHU120C	AHU135C	AHU150C		
Air Flow			m³/h	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	9000	10500	12000	13500	15000		
			CFM	588	882	1176	1471	1765	2353	2941	3529	4118	4706	5294	6176	7059	7941	8824		
External Static Pressure			Pa	80			120	160	200			240		280			320			
Noise Level			dB(A)	53	53	55	56	59	60	62	63	64	64	66	67	68	68	69		
Drive Type				Belt Drive																
Recycling Air	4 Rows	Cooling Capacity	kW	5.10	8.30	11.50	14.40	17.50	23.40	28.30	34.50		40.30	46.20	52.10	59.90	69.30	76.80	85.30	
		Heating Capacity	kW	10.20	15.20	21.20	26.00	32.00	41.50	51.40	61.70	71.30	83.10	93.10	108.10	131.70	146.60	162.80		
		Water Flow	l/s	0.24	0.40	0.55	0.69	0.83	1.13	1.37	1.64	1.92	2.20	2.48	2.85	3.30	3.66	4.06		
		Water Resistance	kPa	3.00	9.00	11.00	18.00	31.00	60.00	40.00	47.00	66.00	58.00	79.00	51.00	57.00	56.00	51.00		
		Motor Power	kW	0.18	0.32	0.32	0.55	0.57	1.10	1.50	1.50	2.20	2.20	2.48	2.85	3.30	3.66	4.06		
		Chilled Water Pipe	DN	DN32						DN40						DN50				
	6 Rows	Cooling Capacity	kW	7.20	11.00	14.90	18.20	22.00	30.10	35.20	43.70	49.40	57.60	64.80	75.10	85.80	102.30	108.50		
		Heating Capacity	kW	12.40	18.50	25.30	30.80	37.30	49.10	61.80	73.90	85.30	98.30	110.30	135.30	161.10	176.40	189.70		
		Water Flow	l/s	0.34	0.52	0.71	0.87	1.05	1.43	1.68	2.08	2.35	2.74	3.09	3.58	4.09	4.87	5.17		
		Water Resistance	kPa	8.80	19.50	26.00	38.00	62.00	49.50	78.00	44.00	59.00	56.00	25.40	39.00	44.00	42.00	39.00		
		Motor Power	kW	0.18	0.32	0.32	0.55	0.57	1.10	1.50	2.20	2.20	3.00	3.00	4.00	4.00	4.00	5.50		
		Chilled Water Pipe	DN	DN32						DN40				DN50						DN65
Fresh Air	4 Rows	Cooling Capacity	kW	13.90	18.70	27.00	30.80	39.90	49.70	64.50	72.70	84.10	99.00	111.00	133.10	149.40	165.80	184.20		
		Heating Capacity	kW	13.20	18.40	27.50	31.80	40.90	51.10	64.00	75.50	87.10	101.70	113.80	133.30	155.10	180.20	200.20		
		Water Flow	l/s	0.66	0.93	1.29	1.47	1.90	2.37	3.07	3.46	4.00	4.71	5.29	6.34	7.12	7.90	8.77		
		Water Resistance	kPa	16.00	42.00	49.00	79.00	48.00	38.00	63.00	74.00	17.00	14.40	19.00	31.00	35.00	33.00	31.00		
		Motor Power	kW	0.18	0.32	0.32	0.55	0.57	1.10	1.50	1.50	2.20	2.20	2.48	2.85	3.30	3.66	4.06		
		Chilled Water Pipe	DN	DN32						DN40						DN50				
	6 Rows	Cooling Capacity	kW	15.80	24.50	31.20	40.30	45.80	63.80	75.40	92.60	105.60	120.70	137.30	160.20	185.20	222.60	244.70		
		Heating Capacity	kW	15.60	23.70	31.30	39.30	45.10	61.80	70.30	91.90	104.80	119.70	135.30	157.90	180.40	213.40	237.10		
		Water Flow	l/s	0.75	1.17	1.49	1.92	2.18	3.04	3.59	4.41	5.03	5.75	6.54	7.63	8.20	9.84	10.65		
		Water Resistance	kPa	31.00	80.00	35.00	58.00	80.00	76.00	51.00	57.00	80.00	30.00	41.00	57.90	68.80	63.00	56.60		
		Motor Power	kW	0.18	0.32	0.32	0.55	0.57	1.10	1.50	2.20	2.20	3.00	3.00	4.00	4.00	4.00	5.50		
		Chilled Water Pipe	DN	DN32						DN40				DN50						DN65
Condensing Water Pipe Connection			DN25															DN32		
Power Supply			380~400V/3Ph/50Hz																	
Net Dimension (mm)	L		900						950						1050			1150		
	W		717	867	927	1017	1127	1357	1547	1652	1842	1772	1947	2197	2298	2248	2218			
	H		630															840		940
Net Weight (kg)	4Rows		50	57	71	76	90	99	128	139	192	231	270	279	287	368	372			
	6Rows		57	63	81	86	121	129	158	180	222	271	305	309	311	398	414			

Nominal testing condition:
Recycling air:
Cooling: entering air temp 27℃ DB/19.5℃ WB; entering water temp 7℃, leaving water temp 12℃.
Heating: entering air temp 21℃ DB; entering water temp 60℃.
Fresh air:
Cooling: entering air temp 35℃ DB/28℃ WB; entering water temp 7℃, leaving water temp 12℃.
Heating: entering air temp 7℃ DB; entering water temp 60℃.

Specification-3-Speed Type

Model			AHU10C	AHU15C	AHU20C	AHU25C	AHU30C	AHU40C	AHU50C	AHU60C	AHU70C	
Air Flow	High	m³/h	1000	1500	2000	2500	3000	4000	5000	6000	7000	
	Middle	m³/h	830	1245	1660	2075	2490	3320	4150	4980	5810	
	Low	m³/h	564	847	1129	1411	1493	2258	2822	3386	3951	
Noise Level		dB(A)	52	52	54	55	57	58	60	62	62	
Drive Type			Direct Drive				Belt Drive					
Recycling Air	4 Rows	Cooling Capacity H/M/L	kW	5.10	8.30	11.50	14.40	17.50	23.40	28.30	34.50	40.30
				4.20	6.80	9.50	12.00	14.40	19.40	23.20	28.60	33.40
				3.50	5.60	7.80	9.80	11.90	15.90	19.20	23.50	27.40
		Heating Capacity H/M/L	kW	10.20	15.20	21.20	26.00	32.00	41.50	51.40	61.70	71.30
				8.60	12.90	18.20	22.60	27.80	36.10	43.70	53.70	61.30
				6.50	10.00	13.60	16.90	20.80	27.00	33.40	40.10	46.30
		Water Flow H/M/L	l/s	0.24	0.40	0.55	0.69	0.83	1.13	1.37	1.64	1.92
				0.20	0.32	0.45	0.57	0.68	0.92	1.11	1.36	1.59
				0.17	0.26	0.37	0.47	0.57	0.76	0.92	1.12	1.30
		Water Resistance H/M/L	kPa	3.00	9.00	11.00	18.00	31.00	60.00	40.00	47.00	66.00
	2.30			6.90	8.50	13.90	23.90	46.20	30.80	36.20	85.70	
	1.80			5.30	6.50	10.60	18.30	45.40	23.60	27.70	38.90	
	ESP H/M/L	Pa	140	140	140	190	190	160	160	220	260	
			110	110	110	150	150	130	130	175	210	
			90	90	90	120	120	100	100	140	165	
	6 Rows	Chilled Water Pipe	DN	DN32				DN40				
		Cooling Capacity H/M/L	kW	7.20	11.00	14.90	18.20	22.00	30.10	35.20	43.70	49.40
				6.00	9.10	12.20	15.10	18.30	25.00	29.20	36.30	40.50
				4.90	7.50	10.10	12.40	15.00	20.50	23.90	29.70	33.60
		Heating Capacity H/M/L	kW	12.40	18.50	25.30	30.80	37.30	49.10	61.80	73.90	85.30
10.50				15.90	21.80	26.50	32.10	42.20	52.50	62.80	73.40	
7.60				11.50	15.70	19.40	23.10	30.90	38.90	46.60	52.90	
Water Flow H/M/L		l/s	0.34	0.52	0.71	0.87	1.05	1.43	1.68	2.08	2.35	
			0.28	0.43	0.58	0.72	0.87	1.19	1.39	1.73	1.93	
			0.23	0.36	0.48	0.59	0.71	0.97	1.14	1.42	1.60	
Water Resistance H/M/L	kPa	8.80	19.50	26.00	38.00	62.00	49.50	78.00	44.00	59.00		
		6.80	15.00	20.00	29.30	47.80	38.10	60.00	33.90	45.40		
		5.20	11.50	15.30	22.40	36.40	29.20	46.10	26.00	34.80		
ESP H/M/L	Pa	80	80	80	130	130	100	100	160	200		
		65	65	65	105	105	80	80	130	160		
		50	50	50	85	85	65	65	105	130		
Chilled Water Pipe	DN	DN32				DN40				DN50		
Fresh Air	4 Rows	Cooling Capacity H/M/L	kW	13.90	18.70	27.00	30.80	39.90	49.70	64.50	72.70	84.10
				11.40	15.50	22.40	25.60	33.10	41.40	53.50	60.30	69.00
				9.50	12.70	18.40	20.90	27.10	33.80	43.90	49.40	57.20
		Heating Capacity H/M/L	kW	13.20	18.40	27.50	31.80	40.90	51.10	64.00	75.50	87.10
				11.50	15.20	23.70	27.70	35.60	44.50	55.70	65.70	75.80
				8.40	12.50	17.30	20.40	26.20	33.20	41.00	48.30	55.70
		Water Flow H/M/L	l/s	0.66	0.93	1.29	1.47	1.90	2.37	3.07	3.46	4.00
				0.54	0.77	1.07	1.22	1.58	1.96	2.55	2.87	3.28
				0.45	0.63	0.87	1.00	1.29	1.61	2.09	2.35	2.72
		Water Resistance H/M/L	kPa	16.00	42.00	49.00	79.00	48.00	38.00	63.00	74.00	17.00
	12.30			32.30	37.70	60.80	37.00	29.20	48.50	57.20	13.10	
	9.40			24.80	28.90	46.50	28.30	22.40	37.20	43.70	10.00	
	ESP H/M/L	Pa	140	140	140	190	190	160	160	220	260	
			110	110	110	150	150	130	130	175	210	
			90	90	90	120	120	100	100	140	165	
	6 Rows	Chilled Water Pipe	DN	DN32				DN40				DN50
		Cooling Capacity H/M/L	kW	15.80	24.50	31.20	40.30	45.80	63.80	75.40	92.60	105.60
				13.10	20.30	25.90	33.40	38.00	53.00	62.60	76.90	87.60
				10.70	16.70	21.20	27.40	31.10	42.70	51.30	63.00	71.80
		Heating Capacity H/M/L	kW	15.60	23.70	31.30	39.30	45.10	61.80	70.30	91.90	104.80
13.10				19.90	26.60	33.40	38.30	52.50	58.40	78.10	89.10	
9.00				14.00	18.80	24.00	27.50	37.10	47.80	55.10	62.90	
Water Flow H/M/L		l/s	0.75	1.17	1.49	1.92	2.18	3.04	3.59	4.41	5.03	
			0.62	0.97	1.23	1.59	1.81	2.52	2.98	3.66	4.17	
			0.51	0.79	1.01	1.30	1.48	2.04	2.44	3.00	3.42	
Water Resistance H/M/L	kPa	31.00	80.00	35.00	58.00	80.00	76.00	51.00	57.00	80.00		
		23.00	59.30	25.90	43.00	59.40	56.40	37.90	42.30	59.30		
		16.80	42.80	18.90	31.20	43.20	40.30	27.60	30.80	43.30		
ESP H/M/L	Pa	80	80	80	130	130	100	100	160	200		
		65	65	65	105	105	80	80	130	160		
		50	50	50	85	85	65	65	105	130		
Chilled Water Pipe	DN	DN32				DN40				DN50	DN65	
Condensing Water Pipe Connection			DN25									
Power Supply			380~400V/3Ph/50Hz									
Net Dimension	L	mm	900				950					
	W	mm	717	867	927	1017	1127	1357	1547	1652	1842	
Net Dimension	H	mm	545				620				690	
	4Rows	kg	50	57	71	76	90	99	128	139	192	
Net Weight	6Rows	kg	57	63	81	86	121	129	158	180	222	

Horizontal / Vertical



Air Flow: 2000~50000m³/h

Specification

Model			20H/V	30H/V	40H/V	50H/V	60H/V	70H/V	80H/V	90H/V	105H/V	120H/V	135H/V			
Air Flow			m³/h	2000	3000	4000	5000	6000	7000	8000	9000	10500	12000	13500		
			CFM	1176	1765	2353	2941	3529	4118	4706	5294	6176	7059	7941		
Recycling Air	4 Rows	Cooling Capacity	kW	11.00	17.20	23.40	28.20	35.10	41.00	48.20	52.30	59.70	69.80	79.10		
		Heating Capacity	kW	22.80	35.10	47.10	57.00	69.10	80.70	93.70	102.60	115.70	136.80	158.10		
		Water Flow	l/s	0.50	0.80	1.10	1.30	1.70	2.00	2.30	2.50	2.80	3.30	3.80		
		Water Resistance	kPa	17.40	28.70	45.30	38.90	59.50	72.10	38.50	35.80	50.60	73.40	48.20		
		Chilled Water Pipe	DN	DN25										DN32		
	6 Rows	Cooling Capacity	kW	14.80	22.70	29.60	34.50	42.40	48.80	57.20	65.10	74.20	89.90	104.10		
		Heating Capacity	kW	27.60	41.90	54.60	64.50	78.20	92.50	106.70	120.60	138.10	165.30	187.70		
		Water Flow	l/s	0.70	1.10	1.40	1.60	2.00	2.30	2.70	3.10	3.50	4.30	5.00		
		Water Resistance	kPa	44.80	44.80	34.80	30.30	40.30	50.00	74.70	75.70	48.80	75.60	39.00		
		Chilled Water Pipe	DN	DN32				DN40				DN50				DN65
	Fresh Air	4 Rows	Cooling Capacity	kW	27.40	40.50	54.70	68.40	81.00	89.60	101.70	116.80	132.80	157.90	172.80	
			Heating Capacity	kW	30.70	44.30	58.80	73.80	85.00	95.00	108.60	123.50	154.90	175.30	195.20	
			Water Flow	l/s	1.30	1.90	2.60	3.30	3.90	4.30	4.90	5.60	7.00	7.50	8.20	
			Water Resistance	kPa	31.80	44.00	62.50	64.30	78.30	40.50	57.70	58.50	78.60	82.70	27.20	
			Chilled Water Pipe	DN	DN40				DN50				DN65			
		6 Rows	Cooling Capacity	kW	33.70	47.90	63.80	79.80	97.90	115.40	127.70	140.50	162.10	193.60	222.60	
			Heating Capacity	kW	34.20	48.90	67.00	83.90	100.50	116.70	134.50	146.70	167.30	196.50	223.10	
Water Flow			l/s	1.60	2.30	3.00	3.80	4.70	5.50	6.10	6.70	7.70	9.20	10.60		
Water Resistance			kPa	66.50	89.60	55.80	53.50	74.90	31.40	42.80	40.70	60.00	89.00	61.50		
Chilled Water Pipe			DN	DN40				DN50				DN65				DN80
Condensing Water Pipe Connection			DN25											DN32		
Power Supply			380~400V/3Ph/50Hz													

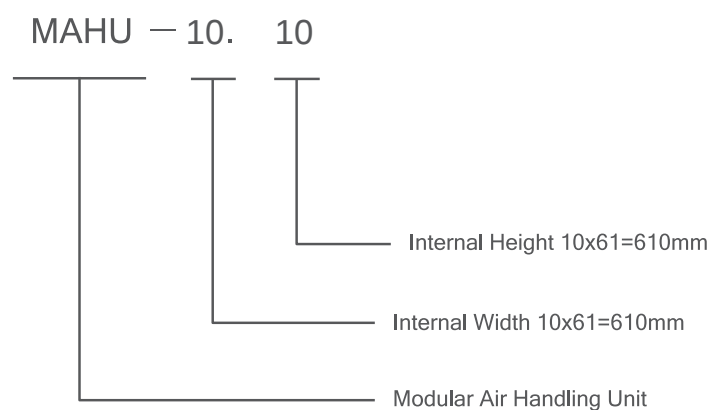
Model			150H/V	180H/V	210H/V	240H/V	270H/V	300H/V	330H/V	350H/V	400H/V	450H/V	500H/V		
Air Flow			m³/h	15000	18000	21000	24000	27000	30000	33000	35000	40000	45000	50000	
			CFM	8824	10588	12353	14118	15882	17647	19412	20588	23529	26471	294118	
Recycling Air	4 Rows	Cooling Capacity	kW	90.40	107.00	126.60	148.80	167.5	186.1	204.7	220.1	230.8	248.1	275.6	
		Heating Capacity	kW	172.70	210.80	247.30	285.60	321.3	357.0	392.7	416.5	451.0	484.8	538.5	
		Water Flow	l/s	4.30	5.10	6.00	7.1	8.0	8.9	9.8	10.5	11.0	11.8	13.1	
		Water Resistance	kPa	49.10	66.40	36.30	53.40	55.1	56.8	72.3	85.6	69.2	71.5	79.1	
		Chilled Water Pipe	DN	DN32											
	6 Rows	Cooling Capacity	kW	115.00	136.40	157.40	181.90	204.70	226.10	253.00	271.30	299.80	341.10	379.00	
		Heating Capacity	kW	207.60	247.20	289.40	332.20	372.00	413.40	456.80	486.90	546.10	617.20	685.90	
		Water Flow	l/s	5.50	6.50	7.50	8.70	9.80	10.80	12.10	12.90	14.30	16.30	18.10	
		Water Resistance	kPa	38.10	51.20	26.40	37.70	39.00	39.80	52.20	61.60	52.50	59.80	65.90	
		Chilled Water Pipe	DN	DN65					DN80						
	Fresh Air	4 Rows	Cooling Capacity	kW	194.70	230.50	276.30	319.90	359.90	384.10	445.70	454.30	577.10	536.70	605.10
			Heating Capacity	kW	221.30	257.60	303.60	348.80	389.70	420.50	482.00	490.50	525.20	594.20	663.90
			Water Flow	l/s	9.30	11.00	13.20	15.20	17.10	18.30	21.20	21.60	22.70	25.60	28.80
			Water Resistance	kPa	27.80	37.50	28.10	39.60	42.60	43.20	59.80	63.70	40.30	45.30	51.60
			Chilled Water Pipe	DN	DN80										
	6 Rows	Cooling Capacity	kW	252.60	293.60	331.50	366.20	409.60	455.20	503.60	552.50	589.30	647.20	727.90	
		Heating Capacity	kW	252.30	296.10	336.10	380.60	428.20	473.60	523.30	578.30	622.50	679.60	774.60	
Water Flow		l/s	12.00	13.10	13.90	12.50	13.90	15.50	17.10	15.50	18.70	19.30	21.70		
Water Resistance		kPa	62.80	74.40	78.30	70.70	72.40	75.00	96.30	83.60	83.50	79.80	89.90		
Chilled Water Pipe		DN	DN80												
Condensing Water Pipe Connection			DN32												
Power Supply			380~400V/3Ph/50Hz												

Modular Air Handling Unit



We're continuously working on the enhancement of its quality and technology. One result of these ongoing efforts- Modular Air Handling Unit comes into being. It has air flow from 1958 to 239469 m³/h and cooling capacity from 9 to 3821kW which is widely used not only in commercial industrial area but also in medical application area. The Modular Air Handling Unit is impressive not only for its optimal modular dimensions - but also for its simple installation. No matter for new facilities or upgrading of existing plants.

HOW TO READ THE MODELS



Modular Air Handling Unit



Air Flow: 1958~239469m³/h

Features and benefits

Wide application and flexible combination

Indoor or Outdoor units-vertical or horizontal installation-vertically stacked, in tandem, or adjacent to each other: almost any configuration is available with our Modular Air Handling Unit. The great diversity in the installation sizes enables the user to employ the installation options for each particular space need * thereby offering optimal solution for owners and operators, planners, and builders of plants.

Wide application

Indoor application

Basic unified unit

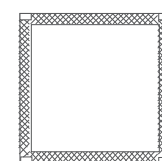
Outdoor application

These units are used in the outdoor application and are designed according to RAIN standards; this unit has been developed with higher resistance to water corrosion even in extreme conditions. All of these because they have the anti-rain device, the unique cover plate structure and internal airproof.

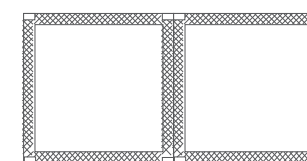
Hygienical application

- Medical purification air handling units for Hospital application;
- Clean & hygienically; Match standard DIN 1946-T4;
- Anti-corrosion processing, longer equipment life;
- Patented insulated plate-No cold bridges;
- Internal framed insulation and airproof system-Minimize leakage;
- Particularly designed frameless panel with smooth interfaces;
- Stainless steel plate, easy cleaning and maintenance.

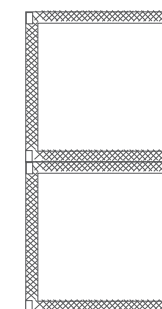
Flexible combination



Standard



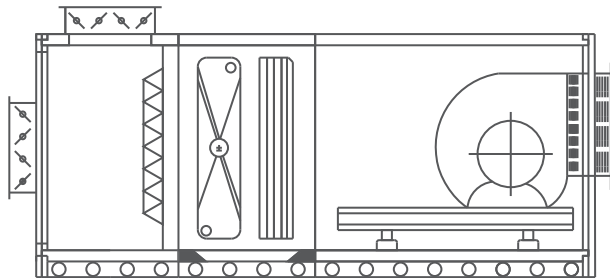
Side By Side



Double Deck

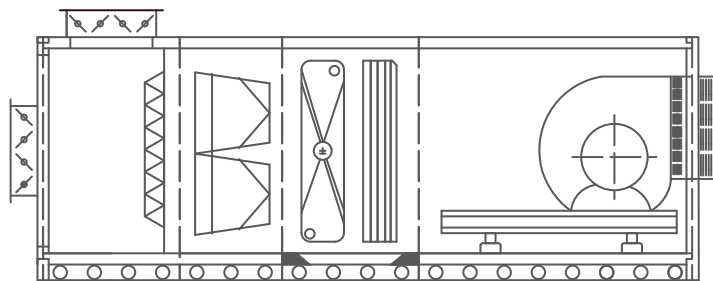
Typical Combination

Combination a



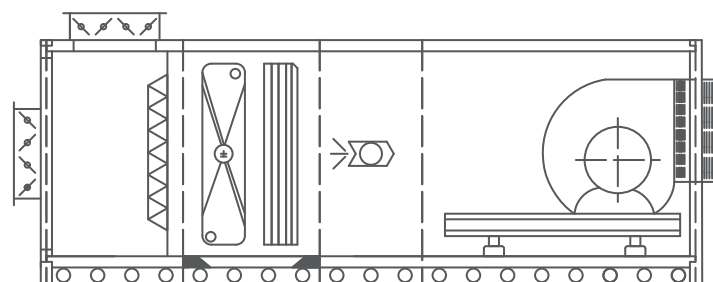
- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Cooling/Heating Coil Section With Drip Eliminator
- Fan Section

Combination b



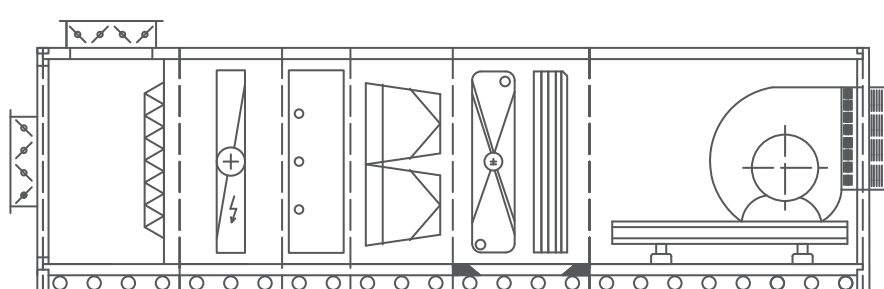
- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Medium Filter Section
- Cooling/Heating Coil Section With Drip Eliminator
- Fan Section

Combination c



- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Cooling/Heating Coil Section With Drip Eliminator
- Humidifying Section
- Fan Section

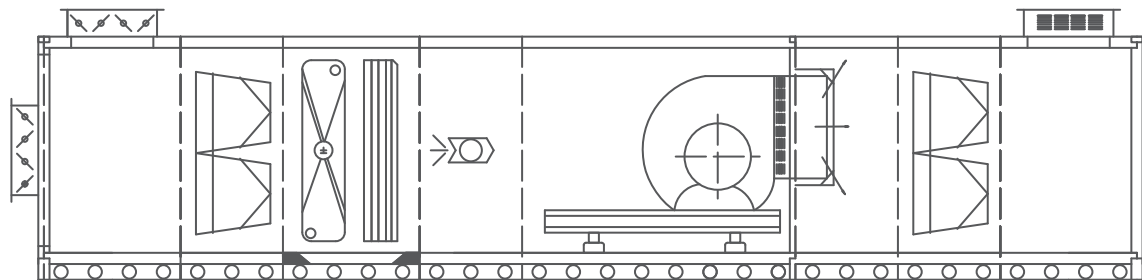
Combination d



- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Electric Heating Section
- Empty Section
- Medium Filter Section
- Cooling/Heating Coil Section With Drip Eliminator
- Fan Section

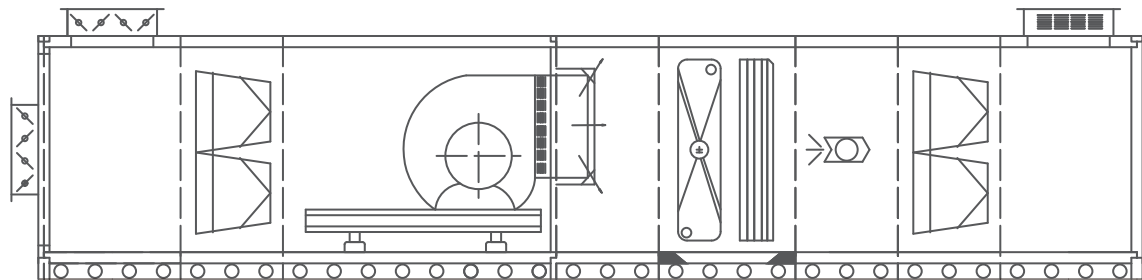
Typical Combination

Combination e



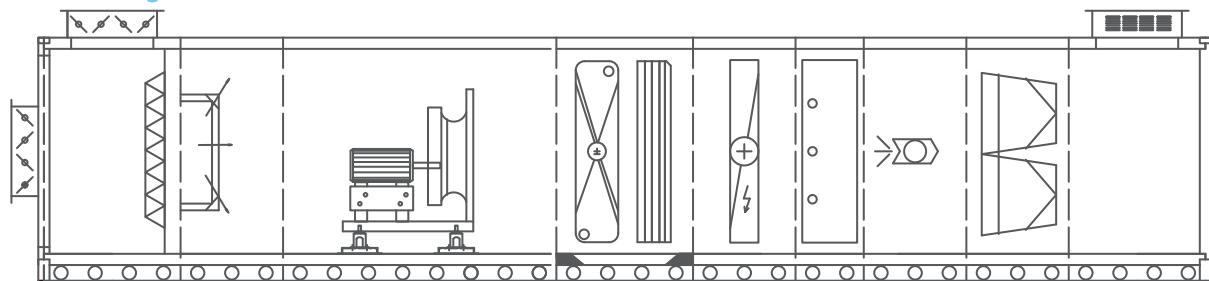
- Fresh Air And Recycling Air Mixing Section
- Bag Filter Section (G4)
- Cooling/Heating Coil Section With Drip Eliminator
- Humidifying Section
- Fan Section
- Diffusing Section
- Medium Filter Section (F7)
- Air Outlet Section (Top Air Discharge)

Combination f



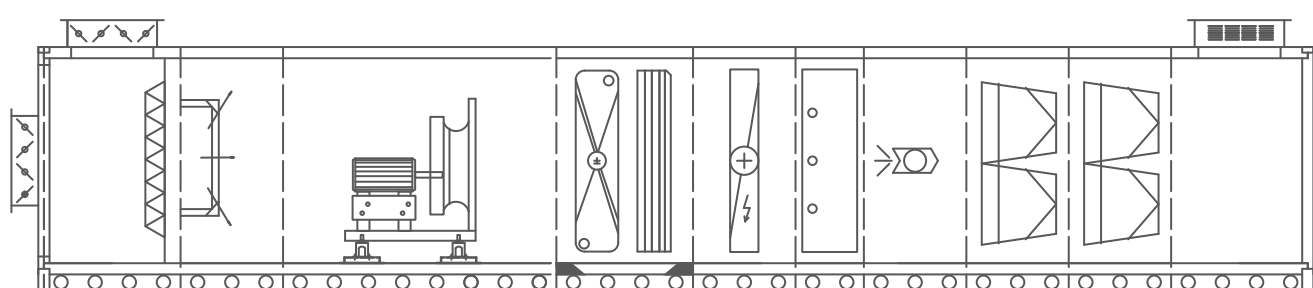
- Fresh Air And Recycling Air Mixing Section
- Bag Filter Section (G4)
- Fan Section
- Diffusing Section
- Cooling/Heating Coil Section With Drip Eliminator
- Humidifying Section
- Medium Filter Section (F7)
- Air Outlet Section (Top Air Discharge)

Combination g



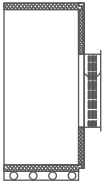
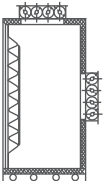
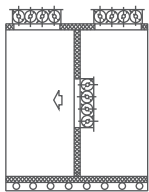
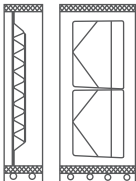
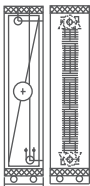
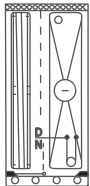
- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Diffusing Section
- Fan Section
- Cooling/Heating Coil Section With Drip Eliminator
- Electric Heating Section
- Humidifying Section
- Medium Filter Section (F7)
- Air Outlet Section (Top Air Discharge)

Combination h

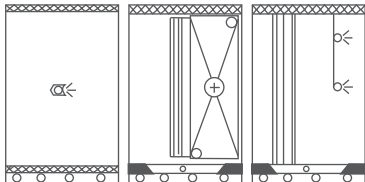
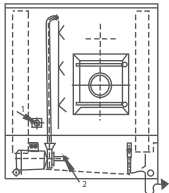
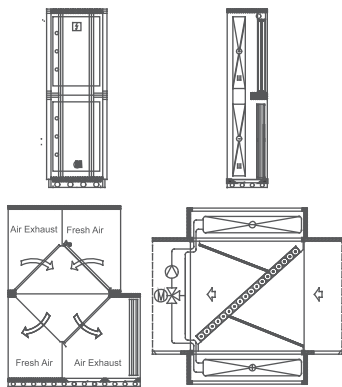
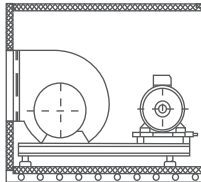
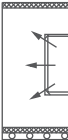
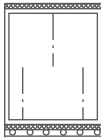


- Fresh Air And Recycling Air Mixing Section With Coarse Filter
- Diffusing Section
- Fan Section
- Cooling/Heating Coil Section With Drip Eliminator
- Electric Heating Section
- Humidifying Section
- Medium Filter Section (F7)
- HEPA Section (H11)
- Air Outlet Section (Top Air Discharge)

Sections

No.	Name	Symbol	Notes
1	Air Inlet /Outlet Section		Options: Damper Damper+flexible connection Flexible connection
2	Fresh/ Recycling Air Mixing Section		Fresh air and recycling air mixing section with coarse filter
3	Fresh / Recycling /Exhaust Air Mixing Section		Fresh air, recycling air and exhaust air mixing section
4	Filtering Section		Two Options: Plate Filter or Bag Filter Plate Filtering Grade: G4 Bag Filtering Grade: G4;F5;F7; and F9
5	Electric Heating Section		Electric heater section
6	Heating Section		Two options: Cu-Al heater or welded steel coil fin heater Cu-Al heater : Hot water heating Working pressure ≤ 1.6 Mpa Working temperature ≤ 85℃ Welded steel coil fin heater: Steam heating Working pressure ≤ 1.6 Mpa Working temperature ≤ 230℃
7	Cooling/ Heating Coil Section		Cooling/heating coil section Cu-Al heat exchanger: hot water heating or cold water cooling

Sections

No.	Name	Symbol	Notes
8	Humidifying Section		Three options Dry steam humidifier: Steam pressure 0.2-0.4Mpa Manual,electric or pneumatic control Water spraying humidifier: Water pressure: 0.1-0.5Mpa Face air speed * 3.5m/s Wet membrane humidifier: Water pressure: 0.05-0.75Mpa Face air speed * 3.0m/s
9	Spray Section		With repair door and observation window; Internal stainless plate can be used if necessary.
10	Energy Recovery Section		Four options: Rotary wheel exchanger: for 10.10~40.35, energy recovery rate 70~80% Plate exchanger: for 10.10~25.25, energy recovery rate 60~70% Hot tube exchanger: for 10.10~25.25, energy recovery rate 40~50% Circulating coil exchanger: for 10.10~50.50, energy recovery rate 80%
11	Fan Section		Base frame of fan motor equipment can be easily taken out. Optimized shock absorber design. With flexible connection.
12	Diffusing Section		
13	Empty Section		With/without operating door
14	Sound Absorber Section		

Specification

Model	Air Volume		Power Supply	Recycling Air									
				4Rows				Coling		8Rows		Heating	
	Sensible Cooling kW	Total Cooling kW		Sensible Cooling kW	Total Cooling kW	Sensible Cooling kW	Total Cooling kW	1Rows Sensible Cooling kW	2Rows Total Cooling kW	3Rows Sensible Cooling kW	4Rows Total Cooling kW		
06.07	1958	1152	380~400V /3Ph /50Hz	8	9	9	12	10	15	9	14	19	21
06.08	2238	1316		9	11	10	14	11	17	10	16	21	24
06.09	2758	1622		11	13	12	17	14	21	12	20	26	30
06.10	3158	1858		12	15	14	19	16	24	14	23	30	34
07.10	3610	2124		14	17	16	22	18	28	16	26	34	39
07.11	4067	2392		16	20	18	25	21	31	18	29	39	44
08.10	4512	2654		18	22	20	27	23	35	20	32	43	49
08.11	5083	2990		20	24	22	31	26	39	23	36	49	55
08.12	5655	3326		22	27	25	34	29	43	25	41	54	62
08.13	6226	3662		24	30	27	38	31	48	28	45	59	68
08.14	6798	3999		27	33	30	41	34	52	30	49	65	74
10.12	7351	4324		29	35	32	45	37	56	33	53	70	80
10.13	8094	4761		32	39	36	49	41	62	36	58	77	88
10.15	9580	5635		37	46	42	58	48	73	42	69	91	105
10.16	10323	6072		40	50	45	63	52	79	46	74	99	113
11.15	11054	6502		43	53	49	67	56	85	49	79	106	121
11.16	11911	7006		46	57	52	72	60	91	53	85	114	130
11.17	12769	7511		50	61	56	78	64	98	57	91	122	139
12.17	13620	8012		53	65	60	83	69	104	60	98	130	149
12.18	14534	8549		57	70	64	88	73	111	64	104	139	159
13.17	15322	9013		60	74	67	93	77	118	68	110	146	167
13.18	16351	9618		64	79	72	99	82	125	72	117	156	178
13.19	17380	10224		68	83	76	106	88	133	77	124	166	190
14.19	18345	10791		72	88	81	111	93	141	81	131	175	200
14.20	19431	11430		76	93	85	118	98	149	86	139	186	212
15.19	20277	11928		79	97	89	123	102	156	90	145	194	221
15.21	22677	13339		89	109	100	138	114	174	100	162	217	247
16.21	23757	13975		93	114	104	144	120	182	105	170	227	259
16.22	25014	14714		98	120	110	152	126	192	111	179	239	273
16.24	27529	16194		107	132	121	167	139	211	122	197	263	300
19.22	30699	18058		120	147	135	186	155	235	136	220	293	335
19.23	32242	18966		126	155	142	196	163	247	143	231	308	352
19.25	35328	20781		138	170	155	215	178	271	157	253	337	386
20.25	36637	21551		143	176	161	222	185	281	162	262	350	400
20.26	38237	22492		149	184	168	232	193	293	169	274	365	417
21.26	40968	24099		160	197	180	249	207	314	182	293	391	447
22.27	42333	24902		165	204	186	257	214	324	184	303	399	454
23.26	45065	26509		176	216	198	274	227	346	200	323	430	492
22.30	49420	29071		193	238	217	300	250	379	215	353	466	530
25.28	53276	31339		208	256	234	324	269	409	236	382	509	581
25.31	59449	34970	232	285	261	361	300	456	262	426	568	649	
25.34	62621	36836	256	315	288	398	331	503	291	470	627	716	
28.34	74735	43962	292	359	328	454	377	573	331	535	714	816	
28.38	84107	49475	328	404	370	511	424	645	373	602	803	918	
29.40	90959	53505	355	437	400	552	459	698	403	652	869	993	
31.41	99115	58303	387	476	435	602	500	760	439	710	947	1082	
32.45	111833	65784	436	537	491	679	564	858	496	801	1068	1220	
35.46	126904	74649	495	609	558	771	640	973	562	909	1212	1385	
37.50	146713	86302	573	705	645	891	740	1125	650	1051	1401	1601	
38.55	171152	100678	668	822	752	1039	863	1313	758	1226	1635	1868	
43.58	206317	121363	805	991	906	1253	1040	1582	914	1478	1970	2251	
45.65	239469	140864	935	1150	1052	1454	1207	1837	1061	1715	2287	2613	

Specification

Model	Air Volume		Power Supply	Fresh Air									
				Coling						Heating			
	4Rows			6Rows		8Rows		1Rows	2Rows	3Rows	4Rows		
m³/h	CFM	V/Ph/Hz	Sensible Cooling kW	Total Cooling kW	Sensible Cooling kW	Total Cooling kW	Sensible Cooling kW	Total Cooling kW	Sensible Cooling kW	Total Cooling kW	Sensible Cooling kW	Total Cooling kW	
06.07	1958	1152	380~400V /3Ph /50Hz	9	21	12	29	13	31	12	28	23	26
06.08	2238	1316		11	24	14	33	15	36	14	20	26	30
06.09	2758	1622		13	29	17	41	18	44	17	25	32	37
06.10	3158	1858		15	33	19	46	21	50	20	29	37	42
07.10	3610	2124		17	38	22	53	24	58	23	33	42	48
07.11	4067	2392		19	43	25	60	27	65	26	37	47	54
08.10	4512	2654		21	47	28	66	30	72	28	41	52	60
08.11	5083	2990		23	53	31	75	34	81	32	46	59	68
08.12	5655	3326		27	59	35	83	37	90	36	52	65	75
08.13	6226	3662		29	66	38	92	41	99	39	57	72	83
08.14	6798	3999		32	72	42	100	45	108	43	62	79	91
10.12	7351	4324		35	77	45	108	49	117	46	68	85	98
10.13	8094	4761		38	85	50	119	53	129	51	74	94	108
10.15	9580	5635		45	101	59	141	63	153	60	87	111	128
10.16	10323	6072		49	109	63	152	68	165	65	94	120	138
11.15	11054	6502		52	116	68	163	73	176	70	101	128	147
11.16	11911	7006		56	125	73	175	79	190	75	109	138	159
11.17	12769	7511		60	134	78	188	84	204	81	116	148	170
12.17	13620	8012		64	143	84	200	90	217	86	124	158	182
12.18	14534	8549		69	153	89	214	96	232	92	133	168	194
13.17	15322	9013		72	161	92	225	101	244	97	140	177	204
13.18	16351	9618		77	172	100	241	108	261	103	149	189	218
13.19	17380	10224		82	183	107	256	115	277	110	158	201	232
14.19	18345	10791		87	193	113	270	121	293	116	167	212	245
14.20	19431	11430		92	204	119	286	128	310	123	177	225	259
15.19	20277	11928		96	213	124	298	134	324	128	185	235	270
15.21	22677	13339		107	239	139	334	150	362	143	207	263	302
16.21	23757	13975		112	250	146	350	157	379	150	217	275	317
16.22	25014	14714		118	263	153	368	165	399	158	228	290	334
16.24	27529	16194		130	290	169	405	182	439	174	251	319	367
19.22	30699	18058		145	323	188	452	203	490	194	280	355	409
19.23	32242	18966		152	339	198	474	213	514	204	294	373	430
19.25	35328	20781		167	372	217	520	233	564	223	322	409	471
20.25	36637	21551		173	385	225	539	242	585	231	334	424	488
20.26	38237	22492		180	402	234	563	252	610	241	349	443	510
21.26	40968	24099		193	431	251	603	270	654	259	374	474	546
22.27	42333	24902		199	445	259	623	279	676	268	389	497	562
23.26	45065	26509		212	474	276	663	297	719	284	411	522	601
22.30	49420	29071		233	520	303	727	326	789	313	454	581	656
25.28	53276	31339		251	560	327	784	352	850	336	486	617	710
25.31	59449	34970		280	625	365	875	392	948	375	542	688	793
25.34	62621	36836		309	690	402	965	433	1047	414	598	760	875
28.34	74735	43962		352	786	458	1100	493	1192	472	682	865	996
28.38	84107	49475	397	885	516	1237	555	1342	531	767	974	1121	
29.40	90959	53505	429	957	558	1338	600	1451	574	829	1053	1213	
31.41	99115	58303	467	1043	608	1458	654	1581	626	904	1148	1322	
32.45	111833	65784	527	1177	686	1645	738	1784	706	1020	1295	1491	
35.46	126904	74649	598	1335	778	1867	838	2025	801	1157	1469	1692	
37.50	146713	86302	692	1543	900	2158	968	2341	926	1338	1699	1956	
38.55	171152	100678	807	1801	1050	2518	1130	2731	1080	1561	1982	2282	
43.58	206317	121363	973	2171	1265	3035	1362	3292	1302	1881	2389	2751	
45.65	239469	140864	1129	2519	1468	3523	1581	3821	1512	2184	2773	3193	