

Qingdao Kybom Refrigeration and Air Conditioning Co., Ltd

Tec.Center:No.713 Xiangjiang Road, huangdao disrict , Qingdao city Shandong Province,
P. R. China 266555

Factory add: No.5, Haifa Road, Bicheng Industrial Park, Haiyang City, Shandong Province

Tel: +86 532 86941728 Fax: +86 532 86941728 Mobile: +86 18669885921

Email:Info@kybomchina.com

www.kybomchina.com





FAN COIL

Kybom 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 Kybom versatile fan coil units assures that we offer you the perfectly matching product solution for each of your individual requirements.

Practical orientation

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

Effectiveness

Kybom fan coil units guarantee cosy and comfortable room atmosphere.

Space saving

Kybom 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 Kybom fan coil units are characterized by a minimum of noise emission.

Functionality

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

Stylishness

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

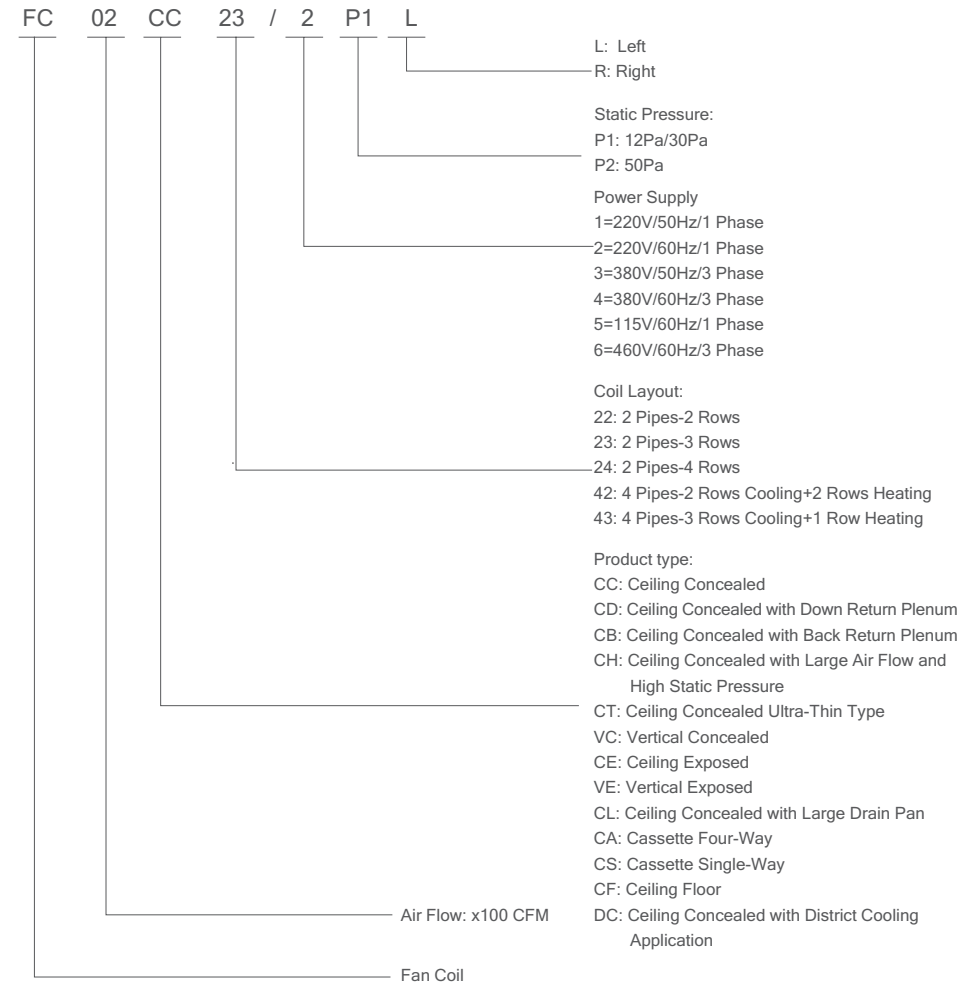
Cost effectiveness

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

Profitability

Kybom fan coils units operate with low maintenance and follow-up costs.

HOW TO READ THE MODELS



Standard Fan Coil



Ceiling Concealed



Vertical Concealed

Air Flow: 340~2420m³/h
200~1423CFM
Cooling Capacity: 2.17~12.5kW

Features and benefits

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



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



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

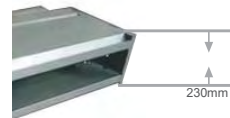


* Optional static pressure 12-30/30-50Pa meets wide application requirements.

* Easy installation by configuration of metal fan blade and shell.



* Space saving thanks to compact design and unit body thickness is only 230mm.



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



Standard Fan Coil



Ceiling Exposed



Vertical Exposed

Air Flow: 340~2420m³/h
200~1423CFM
Cooling Capacity: 2.17~12.5kW

Features and benefits

*Stylish and elegant design for high quality individual application.



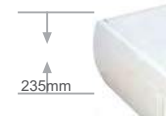
*High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.



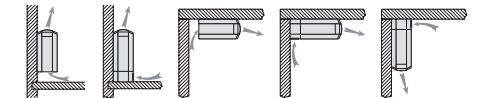
* More comfortable with wide air diffusion thanks to rotary air outlet grill max. reaches 75°.



* Space saving with unit body thickness only 235mm.



* 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.

Specification

2 Pipe 3 Rows

Performance		Model								
		FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow (H)	CFM	200	300	400	500	600	800	1000	1200	1400
	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380
Cooling Capacity (H)	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.49
Heating Capacity (H)	kW	3.49	5.01	6.74	7.62	9.76	13.17	14.81	18.03	19.70
Power Input W	12Pa-H	28	34	55	68	87	125	152	185	205
	30Pa-H	42	55	68	87	108	142	174	210	253
	50Pa-H	49	66	84	100	118	174	210	250	300
Static Pressure	Pa	12-30-50Pa								
Noise Level dB(A)	12Pa-H	34	34	38	42	43	44	46	48	49
	30Pa-H	37	38	41	44	45	46	48	48	49
	50Pa-H	42	44	46	47	49	50	52	54	56
Water Flow	kg/h	373	536	703	851	1044	1412	1613	2004	2148
	l/s	0.103	0.150	0.195	0.236	0.29	0.392	0.448	0.556	0.596
Water Resistance	kPa	20	20	20	30	40	40	40	40	50
Inlet/Outlet Water Pipe		3/4" FPT								
Condensate Water Pipe		*20								
Unit Dimension W/D/H mm	Ceiling Concealed	670*493*230	770*493*230	970*493*230	1070*493*230	1170*493*230	1370*493*230	1470*493*230	1870*493*230	1870*493*230
	Ceiling Exposed	790*240*520	940*240*520	1100*240*520	1140*240*520	1290*240*520	1490*240*520	1610*240*520	1960*240*520	1960*240*520
	Vertical Concealed	665*230*655	765*230*655	865*230*655	965*230*655	1095*230*655	1415*230*655	1615*230*655	1825*230*655	1925*230*655
	Vertical Exposed	790*240*640	940*240*640	1100*240*640	1140*240*640	1290*240*640	1490*240*640	1610*240*640	1960*240*640	1960*240*640
Packing Dimension W/D/H mm	Ceiling Concealed	690*513*240	790*513*240	990*513*240	1090*513*240	1190*513*240	1390*513*240	1490*513*240	1890*513*240	1890*513*240
	Ceiling Exposed	810*260*530	790*260*530	1120*260*530	1160*260*530	1310*260*530	1510*260*530	1630*260*530	1980*260*530	1980*260*530
	Vertical Concealed	685*240*680	960*240*680	885*240*680	980*240*680	1110*240*680	1435*240*680	1630*240*680	1845*240*680	1945*240*680
	Vertical Exposed	810*260*655	960*260*655	1120*260*655	1160*260*655	1310*260*655	1510*260*655	1630*260*655	1980*260*655	1980*260*655
Unit Weight kg	Ceiling Concealed	11	14	15	16	18	23	27	29	34
	Ceiling Exposed	24	26	31	36	40	46	55	66	75
	Vertical Concealed	16	20	21	23	26	33	39	41	47
	Vertical Exposed	31	33	35	36	41	47	57	59	65
Gross Weight kg	Ceiling Concealed	15	18	19	20	22	27	31	33	38
	Ceiling Exposed	27	30	35	39	44	51	59	60	79
	Vertical Concealed	19	23	25	27	30	37	43	45	51
	Vertical Exposed	34	37	38	39	44	51	61	62	69

- Note:1. 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, leaving water temp 55°C;
 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

4 Pipe (3+1) Rows

Performance		Model									
		FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14	
Air Flow (H)	CFM	200	300	400	500	600	800	1000	1200	1400	
	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
Cooling Capacity (H)	kW	2.17	3.12	4.09	4.75	6.07	8.21	9.38	11.65	12.60	
Heating Capacity (H)	kW	1.80	2.70	3.60	4.50	5.40	7.32	8.36	10.28	11.25	
Power Input W	12Pa-H	37	52	62	76	96	134	152	189	228	
	30Pa-H	44	59	72	87	108	156	174	212	253	
	50Pa-H	49	66	84	100	118	174	210	250	300	
Static Pressure	Pa	12-30-50Pa									
Noise Level dB(A)	12Pa-H	37	39	41	43	45	46	48	50	52	
	30Pa-H	40	42	44	46	47	48	50	52	54	
	50Pa-H	42	44	46	47	49	50	52	54	56	
Water Flow	Cooling 3R	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 1R	kg/h	172	258	344	430	516	699	799	983	1075
		l/s	0.048	0.072	0.096	0.119	0.143	0.194	0.222	0.273	0.299
Water Resistance	Cooling 3R	20	20	20	30	40	40	40	40	50	
	Heating 1R	10	12	15	28	30	35	40	40	50	
Inlet/Outlet Water Pipe		3/4" FPT									
Condensate Water Pipe		*20									
Unit Dimension W/D/H mm	Ceiling Concealed	640*493*230	740*493*230	940*493*230	1040*493*230	1140*493*230	1340*493*230	1440*493*230	1840*493*230	1840*493*230	
	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*225*584	895*225*584	975*225*584	1045*225*584	1195*225*584	1495*225*584	1645*225*584	1795*225*584	2095*225*584	
	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	660*500*240	760*500*240	960*500*240	1060*500*240	1160*500*240	1360*500*240	1460*500*240	1860*500*240	1860*500*240	
	Ceiling Exposed	870*260*520	1020*260*520	1100*260*520	1170*260*520	1320*260*520	1620*260*520	1770*260*520	1920*260*520	2220*260*520	
	Vertical Concealed	870*240*600	910*240*600	990*240*600	1060*240*600	1210*240*600	1510*240*600	1660*240*600	1810*240*600	2110*240*600	
	Vertical Exposed	870*260*655	1020*260*655	1100*260*655	1170*260*655	1320*260*655	1610*260*655	1770*260*655	1910*260*655	2210*260*655	
Unit Weight kg	Ceiling Concealed	17	22	23	24	27	39	41	43	46	
	Ceiling Exposed	26	32	33	35	39	53	56	58	62	
	Vertical Concealed	17	22	23	24	27	39	41	43	46	
	Vertical Exposed	27	33	34	36	40	54	57	59	63	
Gross Weight kg	Ceiling Concealed	18	23	24	25	28	40	42	45	48	
	Ceiling Exposed	27	33	34	36	40	54	57	60	64	
	Vertical Concealed	18	23	24	25	28	40	42	45	48	
	Vertical Exposed	28	34	35	37	41	55	58	61	65	

- Note:1. 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, leaving water temp 55°C;
 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

4 Pipe (2+2) Rows

Performance		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
Cooling Capacity (H)	kW		1.80	2.70	3.60	4.50	5.40	6.85	7.26	9.32	10.01
Heating Capacity (H)	kW		2.40	3.51	4.50	6.16	7.06	9.42	11.02	14.74	16.93
Power Input W	12Pa-H		40	53	62	78	95	125	147	198	238
	30Pa-H		48	62	76	88	109	161	179	212	256
	50Pa-H		56	72	88	95	110	174	211	240	297
Static Pressure	Pa		12-30-50Pa								
Noise Level dB(A)	12Pa-H		37	39	41	43	45	46	48	50	52
	30Pa-H		40	42	44	46	47	48	50	52	54
	50Pa-H		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	0.10	0.133	0.182	0.226	0.260	0.356	0.388	0.486	0.519
	Heating 2R	kg/h	360	482	655	814	936	1285	1397	1768	1870
		l/s	0.10	0.133	0.182	0.226	0.260	0.356	0.388	0.486	0.519
Water Resistance	Cooling 2R	kPa	20	20	20	30	40	40	40	40	50
	Heating 2R		20	20	20	30	40	40	40	40	50
Inlet/Outlet Water Pipe	3/4" FPT										
Condensate Water Pipe	*20										
Unit Dimension W/D/H mm	Ceiling Concealed	640*493*230	740*493*230	940*493*230	1040*493*230	1140*493*230	1340*493*230	1440*493*230	1840*493*230	1840*493*230	1840*493*230
	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	2200*245*505
	Vertical Concealed	745*225*584	895*225*584	975*225*584	1045*225*584	1195*225*584	1495*225*584	1645*225*584	1795*225*584	2095*225*584	2095*225*584
	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	2200*245*639
Packing Dimension W/D/H mm	Ceiling Concealed	660*500*240	760*500*240	960*500*240	1060*500*240	1160*500*240	1360*500*240	1460*500*240	1860*500*240	1860*500*240	1860*500*240
	Ceiling Exposed	870*260*520	1020*260*520	1100*260*520	1170*260*520	1320*260*520	1620*260*520	1770*260*520	1920*260*520	2220*260*520	2220*260*520
	Vertical Concealed	870*240*600	910*240*600	990*240*600	1060*240*600	1210*240*600	1510*240*600	1660*240*600	1810*240*600	2110*240*600	2110*240*600
	Vertical Exposed	870*260*655	1020*260*655	1100*260*655	1170*260*655	1320*260*655	1610*260*655	1770*260*655	1910*260*655	2210*260*655	2210*260*655
Unit Weight kg	Ceiling Concealed	17	22	23	24	27	39	41	43	46	46
	Ceiling Exposed	26	32	33	35	39	53	56	58	62	62
	Vertical Concealed	17	22	23	24	27	39	41	43	46	46
	Vertical Exposed	27	33	34	36	40	54	57	59	63	63
Gross Weight kg	Ceiling Concealed	18	23	24	25	28	40	42	45	48	48
	Ceiling Exposed	27	33	34	36	40	54	57	60	64	64
	Vertical Concealed	18	23	24	25	28	40	42	45	48	48
Vertical Exposed	28	34	35	37	41	55	58	61	65	65	

Note: 1. 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, leaving water temp 55°C;

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

Large Air Flow and High Static Pressure Type



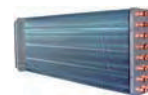
Air Flow: 2180~6540m³/h
1280~3850CFM
Cooling Capacity: 10.81~37.94kW

Features and benefits

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

* Lower noise by hot galvanized sheet steel with 6mm 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 80/100/120/150 Pa covers most of the application requirements.

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



Specification

3 Rows

Performance		Model	FC13	FC15	FC19	FC25	FC32	FC38	
Air Flow (H)	CFM		1280	1510	1910	2560	3200	3850	
	m³/h		2180	2570	3250	4350	5440	6540	
Cooling Capacity (H)	kW		10.81	12.65	14.66	19.21	25.74	29.32	
Heating Capacity (H)	kW		16.13	18.97	21.99	28.82	38.61	43.98	
	80Pa		404	455	721	819	990	1175	
	100Pa		473	535	773	882	1050	1267	
	120Pa		506	836	880	946	1146	1357	
Static Pressure	Pa		80/100/120/150Pa					1892	1760
	80Pa		49	51	53	61	61	62	
Noise Level dB(A)	100Pa		50	52	54	62	62	63	
	120Pa		51	53	56	63	63	64	
	150Pa		52	55	56	64	64	65	
	kg/h		1857	2175	2521	3365	4420	5043	
Water Flow	l/s		0.519	0.608	0.706	0.922	1.236	1.406	
	kPa		27	36	47	21	37	48	
Inlet/Outlet Water Pipe	1" MPT				1 1/4" MPT				
Condensate Water Pipe	3/4" MPT								
Unit Dimension W/D/H	mm	1380*610*345	1480*610*345	1380*660*445	1780*660*445	1980*660*445	2180*660*445	2180*660*445	
Packing Dimension W/D/H	mm	1400*640*360	1500*640*360	1400*680*460	1800*680*460	2000*680*460	2200*680*460	2200*680*460	
Unit Weight	kg	41	46	52	65	80	88	88	
Gross Weight	kg	43	48	56	67	84	91	91	

Note: 1. 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, leaving water temp 55°C;

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

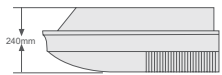
Ceiling Floor Type



Air Flow: 510~2380m³/h
300~1400CFM
Cooling Capacity: 3.12~12.7kW

Features and benefits

*Stylish and streamline design for high quality individual application.

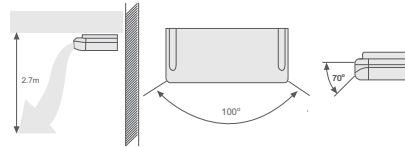


* High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.

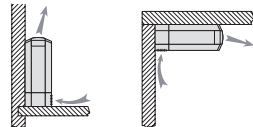
* More fresh air by high efficiency synthetic fiber washable filter.



* More comfortable by wider air diffusion (Up-Down 70o) and automatically flapping. Quiet operation thanks to DIDW forward curve centrifugal fan and NSK axis.



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



Specification

Performance	Model	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow (H)	CFM	300	400	500	600	800	1000	1200	1400
	m ³ /h	510	680	850	1020	1360	1700	2040	2380
Cooling Capacity (H)	kW	3.12	4.09	4.92	6.07	8.21	9.38	11.8	12.7
Heating Capacity (H)	kW	5.01	6.74	7.62	9.76	13.17	114.81	18.03	19.70
Power Input	W	50	65	70	110	130	150	185	190
Noise Level	dB(A)	39	41	43	45	46	48	50	51
Water Flow	kg/h	536	703	864	1044	1412	1613	2029	2184
	l/s	0.148	0.195	0.219	0.290	0.392	0.448	0.563	0.606
Water Resistance	kPa	14	16	18	22	25	39	44	44
Inlet/Outlet Water Pipe		3/4" FPT							
Condensate Water Pipe		Rc3/4" (DN20)							
Unit Dimension W/D/H	mm	905*673*243			1288*673*243			1672*673*243	
Packing Dimension W/D/H	mm	995*765*311			1375*765*311			1760*765*311	
Unit Weight	kg	30	30	30	40	40	45	45	45
Gross Weight	kg	33	33	33	43	43	49	49	49

Note: 1. 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, leaving water temp 55°C;

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

1-Way Cassette Type



Air Flow: 340~850m³/h
200~500CFM
Cooling Capacity: 2.17~4.92kW

Features and benefits

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



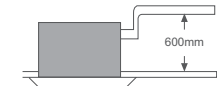
* Maximum utilization of room space with recessed ceiling installation.

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

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



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



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

Specification

Performance	Model	FC02	FC03	FC04	FC05
Air Flow (H)	CFM	200	300	400	500
	m ³ /h	340	510	680	850
Cooling Capacity (H)	kW	2.17	3.12	4.09	4.92
Heating Capacity (H)	kW	3.49	5.04	6.74	7.62
Power Input	W	37	52	62	76
Noise Level	dB(A)	37	38	39	40
Water Flow	kg/h	373	536	703	846
	l/s	0.104	0.148	0.195	0.235
Water Resistance	kPa	10	10	20	20
Inlet/Outlet Water Pipe		3/4" FPT			
Condensate Water Pipe		Rc3/4" (DN20)			
Unit Dimension W/D/H	Unit	850*400*236			
	Panel	1050*470*100			
Packing Dimension W/D/H	Unit	990*435*290			
	Panel	1150*530*172			
Unit Weight	Unit	21	21	23	23
	Panel	4	4	4	4
Gross Weight	Unit	24	24	26	26
	Panel	6	6	6	6

Note: 1. 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, leaving water temp 55°C;

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

4-Way Cassette Type



Air Flow: 340~2380m³/h
200~1400CFM
Cooling Capacity: 1.8~12.6kW

Features and benefits

*Maximum utilization of room space with recessed ceiling installation.



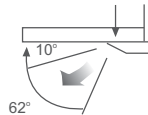
* Stylish and elegant design in harmony with top interior decoration requirement.

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

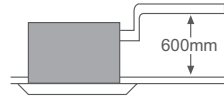
* Newly designed pressure-stable radial fan ensures the lowest operation noise.



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



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



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

Specification

Performance	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
Cooling Capacity (H)	kW	1.80	2.70	3.60	4.50	5.40	7.20	9.00	10.80	12.60
	kW	2.70	4.05	5.40	6.75	8.10	10.80	15.26	16.20	18.90
Power Input	W	34	46	64	70	99	128	157	180	215
Noise Level	dB(A)	37	39	41	43	45	46	48	50	52
Water Flow	kg/h	360	490	640	800	970	1250	1760	2030	2350
	l/s	0.081	0.131	0.172	0.217	0.258	0.344	0.431	0.483	0.606
Water Resistance	kPa	12	14	16	18	22	25	40	44	47
Inlet/Outlet Water Pipe		3/4" FPT								
Condensate Water Pipe		*26								
Dimension W/D/H mm	Unit	593*593*270			752*752*293		822*822*243		822*822*290	
	Panel	650*650*45			850*850*45		950*950*45		950*950*45	
Packing Dimension W/D/H mm	Unit	700*700*300			805*805*330		875*875*295		875*875*330	
	Panel	745*745*100			910*910*100		1005*1005*100		1005*1005*100	
Unit Weight	Unit	19	19	20	23	23	25	28	28	30
	Panel	2.2	2.2	2.2	4.5	4.5	6	6	6	6
Gross Weight	Unit	21	21	23	26	26	28	31	31	33
	Panel	4	4	4	6.5	6.5	9	9	9	9

Note:1. 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, leaving water temp 55°C;

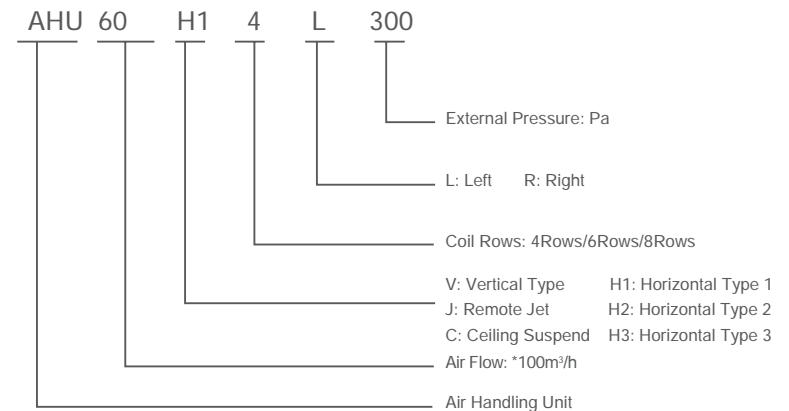
2. Sound pressure level are measured in acoustic room, position of the measure point is 1m in the front and 1m below the vertical center line of the unit



Air Handling Unit

KyBom Air Handling Unit is a new generation product designed for high indoor air quality requirement. It consist of 112 models having air volume from 1000 to 60000m³/h and cooling capacity from 5kW to 1086kW, and external static pressure as high as 600Pa. There are totally 6 different types corresponding with different installation mode, ceiling suspend type, remote jet type, vertical type, horizontal type I, II, III. The units are widely used in shopping malls, hotels, gyms also for industrial applications.

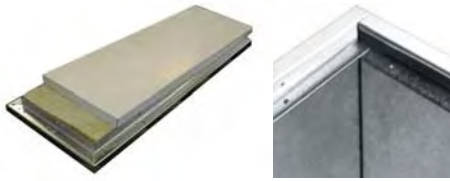
How To Read The Models



Features and benefits

The 3D Casing Construction

The construction serve thermal protection, reducing machine noise, absorbing vibration and avoiding air leakage. 3D compound aluminum alloy framed structure with modular sizes of panel and pending-post are easily assembled and reassembled. The construction and material used are environment friendly, clean and safe. Panel are double skin construction and sandwiched with superior polyurethane.



High efficiency heat exchanger

All coils are optimized and designed with professional CAD software so that they can meet all kinds of topical condition and can be designed and made in accordance with special application of different customers. Heat exchanger uses unique pipe layout, and can improve 10%-30% of heat exchange efficiency than that of heat exchanger with same area and traditional pipe layout.



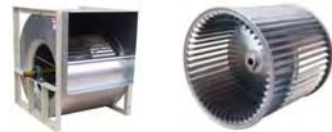
More reliable motor

The motor is air-cooled hermetic 3-phase asynchronous type or external rotor type, which has higher reliable and longer lifetime. Optimized design makes the motor more efficient and energy saving.



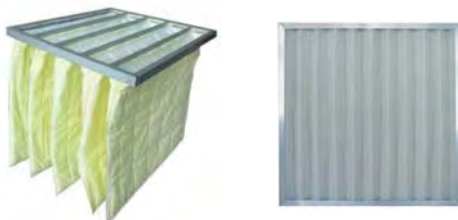
Low noise and long lifetime fan

The fan is forward or backward curved centrifugal type with double inlets and is statically and dynamically balanced after assembly to ensure quiet and high efficiency. It's equipped with NSK or SKF taper sheath bearings which average life is more than 75,000 hrs under designed conditions to reduce vibration caused by normal eccentricity-lock bearings. The work life of the main components such as blade, axis and scroll case is more than 15 years.



High efficiency air filter

There are plate filter and bag filter two types, both of them have firm structure, long working life. The filter is installed on standard aluminum rails with removable access doors above or beside it, which make it easily checked, changed and cleaned. Filter with higher efficiency and differential pressure gauge are also available.



Ceiling Suspend Type



Air Flow: 1000~16000m³/h
590~9410CFM
Cooling Capacity: 5~279kW
Single Skin or Double Skin

Specification

Model		AHU10C	AHU15C	AHU20C	AHU25C	AHU30C	AHU40C	AHU50C	AHU60C	AHU70C	AHU80C	AHU100C	AHU120C	AHU140C	AHU160C	
Air Flow	m³/h	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	10000	12000	14000	16000	
	CFM	590	880	1180	1470	1760	2350	2940	3530	4120	4710	5880	7060	8240	9410	
External Static Pressure (Pa)	4 Rows	I	150	180	230	270	290	300	320	390	390	390	390	390	400	400
		II	100	100	110	110	150	150	150	240	240	240	240	240	240	300
	6 Rows	I	110	140	190	230	250	260	280	350	350	350	350	350	360	360
		II	60	60	70	70	110	110	110	200	200	200	200	200	200	260
Motor Power (kW)	I	0.25	0.32	0.37	0.45	0.55	0.80	1.10	1.50	1.80	2.20	1.10*2	1.50*2	1.80*2	2.20*2	
	II	0.25	0.25	0.25	0.37	0.45	0.55	0.55	0.45*2	0.45*2	0.55*2	0.55*2	0.80*2	1.10*2	1.50*2	
Noise Level	dB(A)	51	52	54	55	55	55	57	60	64	66	68	69	69	70	
	Cooling Capacity (kW)	5	8	11	15	18	25	29	35	40	48	58	69	82	90	
Recycling Air	4 Rows	Heating Capacity (kW)	8	12	17	23	27	38	44	53	60	72	87	104	123	135
		Water Flow (m³/h)	0.9	1.4	1.9	2.6	3.1	4.3	5	6.5	6.9	8.2	9.9	11.8	14.1	15.4
		Water Resistance (kPa)	5	15	20	35	30	35	10	20	20	30	15	15	15	15
	6 Rows	Cooling Capacity (kW)	7	12	16	18	22	30	38	47	55	64	79	97	113	129
		Heating Capacity (kW)	11	18	24	27	33	45	57	71	83	96	119	146	170	194
		Water Flow (m³/h)	1.2	2.1	2.7	3.1	3.8	5.1	6.5	8.1	9.4	11	13.5	16.6	19.4	22.1
Fresh Air	4 Rows	Water Resistance (kPa)	10	20	42	10	10	15	25	30	40	48	30	35	40	40
		Cooling Capacity (kW)	13	17	25	33	40	54	69	85	100	115	137	160	185	216
		Heating Capacity (kW)	20	26	38	50	60	81	104	128	150	173	206	240	278	324
	6 Rows	Water Flow (m³/h)	2.2	2.9	4.3	5.7	6.9	9.3	11.8	14.6	17.1	19.7	23.5	28.1	32.9	37.7
		Cooling Capacity (kW)	17	24	35	44	52	69	86	104	122	141	173	207	245	279
		Heating Capacity (kW)	26	36	53	66	78	104	129	156	183	212	260	311	368	419
Water Resistance (kPa)	2.9	4.1	6	7.5	8.9	11.8	14.7	17.8	20.9	24.2	29.7	35.5	42	47.8		
Water Resistance (kPa)	42	15	25	48	40	48	30	45	49	49	40	45	45	49		
Water Inlet/Outlet Pipe Connection		DN32			DN40			DN50			DN70					
Condensing Water Pipe Connection		DN32														
Power Supply		380V-3Ph-50/60Hz														
Net Dimension (mm)	W	780	915	915	915	915	915	915	915	915	915	915	915	915	1050	
	D	600	783	783	857	935	1240	1393	1698	1698	1698	2003	2308	2460	3090	
	H	500	500	647	647	647	647	647	647	730	803	803	803	803	803	
Packing Dimension (mm)	W	1130	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1400	
	D	650	833	833	907	985	1290	1443	1748	1748	1748	2053	2358	2510	3140	
	H	550	550	697	697	697	697	697	697	780	853	853	853	853	853	
Weight (kg)	4 Rows	Net Weight	78	84	100	109	125	140	170	205	250	290	380	430	530	600
		Gross Weight	86	92	110	120	138	154	187	226	275	319	418	473	583	660
	6 Rows	Net Weight	85	96	110	121	138	155	190	290	300	310	400	460	580	650
		Gross Weight	94	106	121	133	152	171	209	319	330	341	440	506	638	715

Testing condition:

Recycling air:

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

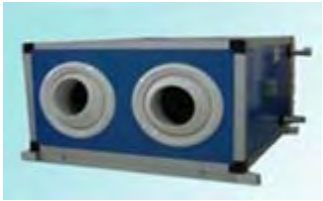
Heating: entering air temp 21° DB; entering water temp 60°, leaving water temp 50°.

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°, leaving water temp 50°.

Remote Jet Type



Air Flow: 1000~12000m³/h
590~7060CFM
Cooling Capacity: 5~207kW
Single Skin or Double Skin

Specification

Model		AHU10J	AHU15J	AHU20J	AHU25J	AHU30J	AHU40J	AHU50J	AHU60J	AHU70J	AHU80J	AHU100J	AHU120J	
Air Flow	m³/h	1000	1500	2000	2500	3000	4000	5000	6000	7000	8000	10000	12000	
	CFM	590	880	1180	1470	1760	2350	2940	3530	4120	4710	5880	7060	
Air Supplying Distance	4 Rows m	19	22	28	31	33	35	36	37	42	49	54	64	
	6 Rows m	17	20	26	29	31	33	34	35	40	47	52	62	
Motor Power	kW	0.25	0.32	0.37	0.55	0.5	0.74	0.9	1.1	1.1	1.6	2.2	2.2	
Noise Level	dB(A)	51	52	54	55	55	55	56	57	57	58	60	60	
	dB(A)	5	8	11	15	18	25	29	35	40	48	58	69	
Recycling Air	4 Rows	Heating Capacity (kW)	8	12	17	23	27	38	44	53	60	72	87	104
		Water Flow (m³/h)	0.8	1.4	1.9	2.6	3.1	4.3	5	6.5	6.9	8.2	9.9	11.8
		Water Resistance (kPa)	5	15	20	35	30	35	10	20	20	30	15	15
	6 Rows	Cooling Capacity (kW)	7	12	16	18	22	30	38	47	55	64	79	97
		Heating Capacity (kW)	11	18	24	27	33	45	57	71	83	96	119	146
		Water Flow (m³/h)	1.2	2.1	2.7	3.1	3.8	5.1	6.5	8.1	9.4	11	13.5	16.6
Fresh Air	4 Rows	Water Resistance (kPa)	10	20	42	10	10	15	25	30	40	48	30	35
		Cooling Capacity (kW)	13	17	25	33	40	54	69	85	100	115	137	160
		Water Flow (m³/h)	2.2	2.9	4.3	5.7	6.9	9.3	11.8	14.6	17.1	19.7	23.5	28.1
	6 Rows	Water Resistance (kPa)	10	10	10	20	20	25	40	49	49	50	49	49
		Cooling Capacity (kW)	17	24	35	44	52	69	86	104	122	141	173	207
		Water Flow (m³/h)	2.6	3.6	5.3	6.6	7.8	10.4	12.9	15.6	18.3	21.2	26.0	31.1
Water Resistance (kPa)	42	15	25	48	40	48	30	45	49	49	40	45		
Water Inlet/Outlet Pipe Connection	DN32		DN40			DN50			DN70					
Condensing Water Pipe Connection	DN32													
Power Supply	380V-3Ph-50Hz/60Hz													
Net Dimension (mm)	W	980	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	
	D	600	783	783	857	935	1240	1393	1698	1698	1698	2003	2308	
	H	500	500	647	647	647	647	647	730	803	803	803	803	
	W	1330	1465	1465	1465	1465	1465	1465	1465	1465	1465	1465	1465	
Packing Dimension (mm)	D	650	833	833	907	985	1290	1443	1748	1748	1748	2053	2358	
	H	550	550	697	697	697	697	697	780	853	853	853	853	
Weight (kg)	4 Rows	Net Weight	80	86	102	111	127	144	174	210	255	295	385	435
		Gross Weight	88	95	112	122	140	158	191	231	281	325	424	479
	6 Rows	Net Weight	87	98	112	123	140	159	194	295	305	315	405	465
		Gross Weight	96	108	123	135	154	175	213	325	336	347	446	512

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°, leaving water temp 50°.

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°, leaving water temp 50°.

Vertical Type



Air Flow: 2000~60000m³/h
1180~35290CFM
Cooling Capacity: 10~1086kW
Double Skin

Specification

Model		AHU20V	AHU30V	AHU40V	AHU50V	AHU60V	AHU80V	AHU100V	AHU120V	AHU150V	AHU160V	AHU180V	
Air Flow	m³/h	2000	3000	4000	5000	6000	8000	10000	12000	15000	16000	18000	
	CFM	1180	1760	2350	2940	3530	4710	5880	7060	8820	9410	10590	
External Static Pressure (Pa)	4 Rows	I	220	220	220	300	300	300	300	300	300	320	350
	II	360	360	360	400	400	400	400	400	400	400	400	550
6 Rows	I	170	170	170	250	250	250	250	250	250	270	300	
	II	310	310	310	350	350	350	350	350	350	350	500	
8 Rows	I	120	120	120	200	200	200	200	200	200	220	250	
	II	260	260	260	300	300	300	300	300	300	300	450	
Motor Power (kW)	I	0.55	0.75	1.10	1.50	1.80	1.80	2.20	3.00	4.40	4.40	4.80	
	II	0.75	1.10	1.50	1.80	2.20	2.20	3.00	4.00	5.50	5.50	5.50	
Noise Level dB(A)	I	57	57	59	61	61	63	65	67	69	69	69	
	II	58	58	60	62	62	64	66	68	70	70	70	
Recycling Air	4 Rows	Cooling Capacity (kW)	10	17	23	25	32	42	54	70	88	95	106
		Heating Capacity (kW)	15	26	35	38	48	63	81	105	132	143	159
		Water Flow (m³/h)	1.7	2.9	3.9	4.3	5.5	7.2	9.3	12	15.1	16.3	18.2
	6 Rows	Water Resistance (kPa)	13	13	12	12	15	11	12	16	16	18	20
		Cooling Capacity (kW)	14	22	30	35	43	60	72	92	112	120	132
		Heating Capacity (kW)	21	33	45	53	65	90	108	138	168	180	198
8 Rows	Water Flow (m³/h)	2.4	3.8	5.1	6	7.4	10.3	12.3	15.8	19.2	20.6	22.6	
	Water Resistance (kPa)	17	19	16	17	18	20	22	27	33	33	35	
	Cooling Capacity (kW)	15	28	36	45	54	66	88	105	136	144	172	
Fresh Air	4 Rows	Heating Capacity (kW)	23	42	54	68	81	99	132	158	204	216	258
		Water Flow (m³/h)	2.6	4.8	6.2	7.7	9.3	11.3	15.1	18	23.3	24.7	29.5
		Water Resistance (kPa)	12	21	24	26	28	30	32	35	41	42	45
	6 Rows	Cooling Capacity (kW)	22	38	51	60	78	105	125	156	178	182	200
		Heating Capacity (kW)	33	57	77	90	117	158	188	234	267	273	300
		Water Flow (m³/h)	3.8	6.5	8.7	10.3	13.4	18	21.4	26.7	30.5	31.2	34.3
8 Rows	Water Resistance (kPa)	21	21	18	18	18	15	18	26	26	28	32	
	Cooling Capacity (kW)	26	49	64	78	99	134	156	202	224	240	282	
	Heating Capacity (kW)	39	74	96	117	149	201	234	303	336	360	423	
4 Rows	Water Flow (m³/h)	4.5	8.4	11	13.4	17	23	26.8	34.6	38.4	41.1	48.4	
	Water Resistance (kPa)	20	23	19	20	22	24	26	32	40	40	40	
	Cooling Capacity (kW)	37	56	70	84	95	122	172	218	250	276	306	
6 Rows	Heating Capacity (kW)	56	84	105	126	143	183	258	327	375	414	459	
	Water Flow (m³/h)	6.3	9.6	12	14.4	16.3	20.9	29.5	37.4	42.9	47.3	52.5	
	Water Resistance (kPa)	19	34	38	42	45	48	51	56	66	68	72	
Water Inlet/Outlet Pipe Connection	DN40		DN50			DN65			DN80				
Condensing Water Pipe Connection	DN32												
Power Supply	380V-3Ph-50Hz/60Hz												
Net Dimension (mm)	W	650	650	650	650	750	860	960	960	1050	1050	1050	
	D	670	860	860	1010	1150	1470	1760	1760	1960	1615	1718	
	H	1380	1380	1630	1630	1630	1630	1830	1830	1830	2400	2400	
	W	750	750	750	750	850	960	960	1060	1060	1150	1150	
Packing Dimension (mm)	D	870	1060	1060	1210	1350	1670	1960	1960	2160	1815	1918	
	H	1530	1530	1780	1780	1780	1780	1980	1980	1980	2550	2550	
Weight (kg)	4 Rows	Net Weight	140	170	210	270	312	359	510	610	685	850	875
		Gross Weight	161	196	242	311	359	416	573	673	748	913	938
	6 Rows	Net Weight	175	205	248	307	367	535	608	670	765	920	950
		Gross Weight	201	236	285	353	422	615	699	771	880	1012	1045
8 Rows	Net Weight	210	240	286	344	422	666	730	845	1000	1030	1030	
	Gross Weight	242	276	329	396	485	766	840	972	1100	1133	1133	

Specification

Model		AHU200V	AHU220V	AHU250V	AHU300V	AHU350V	AHU400V	AHU450V	AHU500V	AHU600V	
Air Flow	m ³ /h	20000	22000	25000	30000	35000	40000	45000	50000	60000	
	CFM	11760	12940	14710	17650	20590	23530	26470	29410	35290	
External Static Pressure (Pa)	4 Rows	I	350	400	450	500	550	600	650	700	800
		II	550	600	650	700	750	800	850	900	1000
	6 Rows	I	300	350	400	450	500	550	600	650	750
		II	500	550	600	650	700	750	800	850	950
	8 Rows	I	250	300	350	400	450	500	550	600	700
		II	450	500	550	600	650	700	750	800	900
	Motor Power (kW)	I	5.30	7.50	7.50	11.00	15.00	15.00	18.50	18.50	22.00
		II	7.50	11.00	11.00	15.00	18.50	18.50	22.00	22.00	30.00
Noise Level dB(A)	I	71	71	71	74	74	77	77	77	79	
	II	72	72	72	75	75	78	78	78	80	
Recycling Air	4 Rows	Cooling Capacity (kW)	120	134	155	190	228	276	322	364	417
		Heating Capacity (kW)	180	201	233	285	342	414	483	546	626
		Water Flow (m ³ /h)	20.6	23	26.6	32.6	39.1	47.3	55.2	62.4	71.5
	6 Rows	Water Resistance (kPa)	15	15	15	25	30	45	30	40	45
		Cooling Capacity (kW)	155	176	198	230	276	320	351	420	468
		Heating Capacity (kW)	233	264	297	345	414	480	527	630	702
	8 Rows	Water Flow (m ³ /h)	26.6	30.2	33.9	39.4	47.3	54.9	60.2	72	80.2
		Water Resistance (kPa)	28	35	36	40	32	35	28	38	40
		Cooling Capacity (kW)	198	206	236	280	322	382	420	502	550
	4 Rows	Heating Capacity (kW)	297	309	354	420	483	573	630	753	825
		Water Flow (m ³ /h)	34	35.3	40.5	48	55.2	65.5	72	86.1	94.3
		Water Resistance (kPa)	51	56	40	50	57	32	38	41	53
6 Rows	Cooling Capacity (kW)	242	280	320	380	430	510	588	720	780	
	Heating Capacity (kW)	363	420	480	570	645	765	882	1080	1170	
	Water Flow (m ³ /h)	41.5	48	54.9	65.1	73.7	87.4	100.8	123.4	133.7	
8 Rows	Water Resistance (kPa)	24	24	24	45	52	70	52	58	70	
	Cooling Capacity (kW)	316	356	398	460	530	624	718	802	926	
	Heating Capacity (kW)	474	534	597	690	795	936	1077	1203	1389	
4 Rows	Water Flow (m ³ /h)	54.2	61.1	68.3	78.9	90.9	107	123	138	159	
	Water Resistance (kPa)	34	42	43	48	38	42	34	46	48	
	Cooling Capacity (kW)	362	386	432	520	610	702	812	930	1086	
6 Rows	Heating Capacity (kW)	543	579	648	780	915	1053	1218	1395	1629	
	Water Flow (m ³ /h)	62.1	66.2	74.1	89.2	104.6	120.4	139.3	159.5	186.3	
	Water Resistance (kPa)	82	90	64	80	91	53	61	66	85	
Water Inlet/Outlet Pipe Connection		DN80		DN100			DN125				
Condensing Water Pipe Connection		DN32									
Power Supply		380V-3Ph-50Hz/60Hz									
Net Dimension (mm)	W	1050	1050	1050	1110	1110	1550	1550	1550	1500	
	D	1945	2110	2360	2770	3185	2280	3080	3080	3380	
	H	2400	2400	2400	2400	2400	2800	2800	3500	3500	
Packing Dimension (mm)	W	1150	1150	1150	1210	1210	1650	1650	1650	1600	
	D	2145	2310	2560	2970	3385	2380	3180	3180	3480	
	H	2550	2550	2550	2550	2550	2950	2950	3650	3650	
Weight (kg)	4 Rows	Net Weight	900	964	1060	1300	1420	2040	2352	2880	3120
		Gross Weight	990	1060	1166	1430	1562	3140	3140	3840	3840
	6 Rows	Net Weight	980	1036	1120	1380	1500	1928	2219	2478	2861
		Gross Weight	1078	1140	1232	1518	1650	2128	2419	2678	3061
	8 Rows	Net Weight	1060	1116	1210	1470	1590	2317	2680	3069	3584
		Gross Weight	1166	1228	1331	1617	1749	2547	2910	3299	3814

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°, leaving water temp 50°.
 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°, leaving water temp 50°.

Horizontal Type I



Air Flow: 2000~60000m³/h
 1800~35290CFM
 Cooling Capacity: 10~1086kW
 Double Skin

Specification

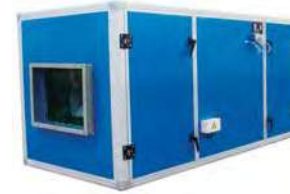
Model		AHU20H1	AHU30H1	AHU40H1	AHU50H1	AHU60H1	AHU80H1	AHU100H1	AHU120H1	AHU150H1	AHU160H1	
Air Flow	m ³ /h	2000	3000	4000	5000	6000	8000	10000	12000	15000	16000	
	CFM	1180	1760	2350	2940	3530	4710	5880	7060	8820	9410	
External Static Pressure (Pa)	4 Rows	I	220	220	220	300	300	300	300	300	320	
		II	360	360	360	400	400	400	400	400	400	
	6 Rows	I	170	170	170	250	250	250	250	250	270	
		II	310	310	310	350	350	350	350	350	350	
	8 Rows	I	120	120	120	200	200	200	200	200	220	
		II	260	260	260	300	300	300	300	300	300	
Motor Power (kW)	I	0.55	0.75	1.1	1.5	1.8	1.8	2.2	3.0	4.4	4.4	
	II	0.75	1.1	1.5	1.8	2.2	2.2	3.0	4.0	5.5	5.5	
Noise Level dB(A)	I	57	57	59	61	61	63	65	67	69	69	
	II	58	58	60	62	62	64	66	68	70	70	
Recycling Air	4 Rows	Cooling Capacity (kW)	10	17	23	25	32	42	54	70	88	95
		Heating Capacity (kW)	15	26	35	38	48	63	81	105	132	143
		Water Flow (m ³ /h)	1.7	2.9	3.9	4.3	5.5	7.2	9.3	12	15.1	16.3
	6 Rows	Water Resistance (kPa)	13	13	12	12	15	11	12	16	16	18
		Cooling Capacity (kW)	14	22	30	35	43	60	72	92	112	120
		Heating Capacity (kW)	21	33	45	53	65	90	108	138	168	180
	8 Rows	Water Flow (m ³ /h)	2.4	3.8	5.1	6	7.4	10.3	12.3	15.8	19.2	20.6
		Water Resistance (kPa)	17	19	16	17	18	20	22	27	33	33
		Cooling Capacity (kW)	15	28	36	45	54	66	88	105	136	144
	4 Rows	Heating Capacity (kW)	23	42	54	68	81	99	132	158	204	216
		Water Flow (m ³ /h)	2.6	4.8	6.2	7.7	9.3	11.3	15.1	18	23.3	24.7
		Water Resistance (kPa)	12	21	24	26	28	30	32	35	41	42
6 Rows	Cooling Capacity (kW)	22	38	51	60	78	105	125	156	178	182	
	Heating Capacity (kW)	33	57	77	90	117	158	188	234	267	273	
	Water Flow (m ³ /h)	3.8	6.5	8.7	10.3	13.4	18	21.4	26.7	30.5	31.2	
8 Rows	Water Resistance (kPa)	21	21	18	18	24	15	18	26	26	28	
	Cooling Capacity (kW)	26	49	64	78	99	134	156	202	224	240	
	Heating Capacity (kW)	39	74	96	117	149	201	234	303	336	360	
4 Rows	Water Flow (m ³ /h)	4.5	8.4	11	13.4	17	23	26.8	34.6	38.4	41.1	
	Water Resistance (kPa)	20	23	19	20	22	24	26	32	40	40	
	Cooling Capacity (kW)	37	56	70	84	95	122	172	218	250	276	
6 Rows	Heating Capacity (kW)	56	84	105	126	143	183	258	327	375	414	
	Water Flow (m ³ /h)	6.3	9.6	12	14.4	16.3	20.9	29.5	37.4	42.9	47.3	
	Water Resistance (kPa)	19	34	38	42	45	48	51	56	66	68	
Water Inlet/Outlet Pipe Connection		DN40		DN50			DN65		DN70			
Condensing Water Pipe Connection		DN32										
Power Supply		380V-3Ph-50Hz/60Hz										
Net Dimension (mm)	W	1050	1050	1050	1050	1050	1050	1050	1450	1450	1450	
	D	670	860	1010	1150	1150	1410	1760	1760	1960	1615	
	H	872	872	1065	1065	1065	1065	1065	1065	1065	1422	
Packing Dimension (mm)	W	1150	1150	1150	1150	1150	1150	1150	1550	1550	1550	
	D	850	1040	1040	1190	1330	1590	1940	1940	2140	1795	
	H	922	922	1115	1115	1115	1115	1115	1115	1115	1472	
Weight (kg)	4 Rows	Net Weight	170	195	225	240	285	350	440	510	625	695
		Gross Weight	187	214	247	264	313	385	484	561	687	764
	6 Rows	Net Weight	221	240	250	270	335	410	485	570	685	756
		Gross Weight	243	264	275	297	368	451	533	627	753	831
	8 Rows	Net Weight	272	285	275	300	385	470	530	630	745	817
		Gross Weight	299	313	302	330	423	517	583	693	819	898

Specification

Model		AHU180H1	AHU200H1	AHU220H1	AHU250H1	AHU300H1	AHU350H1	AHU400H1	AHU450H1	AHU500H1	AHU600H1	
Air Flow	m³/h	18000	20000	22000	25000	30000	35000	40000	45000	50000	60000	
	CFM	10590	11760	12940	14710	17650	20590	23530	26470	29410	35290	
External Static Pressure (Pa)	4 Rows	I	350	350	400	400	450	450	450	500	500	
		II	550	550	600	600	600	600	600	600	600	
	6 Rows	I	300	300	350	350	400	400	400	450	450	
		II	500	500	550	550	550	550	550	550	550	
	8 Rows	I	250	250	300	300	350	350	350	400	400	
		II	450	450	500	500	500	500	500	500	500	
	Motor Power (kW)	I	4.8	5.3	7.5	7.5	11.0	15.0	15.0	18.5	18.5	22.0
		II	5.5	7.5	11.0	11.0	15.0	18.5	18.5	22.0	22.0	30.0
Noise Level dB(A)	I	69	71	71	71	74	74	77	77	77	79	
	II	70	72	72	72	75	75	78	78	78	80	
Recycling Air	4 Rows	Cooling Capacity (kW)	106	120	134	155	190	228	276	322	364	417
		Heating Capacity (kW)	159	180	201	233	285	342	414	483	546	626
		Water Flow (m³/h)	18.2	20.6	23	26.6	32.6	39.1	47.3	55.2	62.4	71.5
	6 Rows	Water Resistance (kPa)	20	15	15	15	25	30	45	30	40	45
		Cooling Capacity (kW)	132	155	176	198	230	276	320	351	420	468
		Heating Capacity (kW)	198	233	264	297	345	414	480	527	630	702
	8 Rows	Water Flow (m³/h)	22.6	26.6	30.2	33.9	39.4	47.3	54.9	60.2	72	80.2
		Water Resistance (kPa)	25	28	35	36	40	32	35	28	38	40
		Cooling Capacity (kW)	172	198	206	236	280	322	382	420	502	550
	4 Rows	Heating Capacity (kW)	258	297	309	354	420	483	573	630	753	825
		Water Flow (m³/h)	29.5	34	35.3	40.5	48	55.2	65.5	72	86.1	94.3
		Water Resistance (kPa)	45	51	56	40	50	57	32	38	41	53
Fresh Air	4 Rows	Cooling Capacity (kW)	200	242	280	320	380	430	510	588	720	780
		Heating Capacity (kW)	300	363	420	480	570	645	765	882	1080	1170
		Water Flow (m³/h)	34.3	41.5	48	54.9	65.1	73.7	87.4	100.8	123.4	133.7
	6 Rows	Water Resistance (kPa)	32	24	24	24	45	52	70	52	58	70
		Cooling Capacity (kW)	282	316	356	398	460	530	624	718	802	926
		Heating Capacity (kW)	423	474	534	597	690	795	936	1077	1203	1389
	8 Rows	Water Flow (m³/h)	48.4	54.2	61.1	68.3	78.9	90.9	107	123	138	159
		Water Resistance (kPa)	30	34	42	43	48	38	42	34	46	48
		Cooling Capacity (kW)	306	362	386	432	520	610	702	812	930	1086
	4 Rows	Heating Capacity (kW)	459	543	579	648	780	915	1053	1218	1395	1629
		Water Flow (m³/h)	52.5	62.1	66.2	74.1	89.2	104.6	120.4	139.3	159.5	186.3
		Water Resistance (kPa)	72	82	90	64	80	91	53	61	66	85
Water Inlet/Outlet Pipe Connection		DN70			DN80			DN100				
Condensing Water Pipe Connection		DN32										
Power Supply		380V-3Ph-50Hz/60Hz										
Net Dimension (mm)	W	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550	
	D	1780	1945	2110	2360	2770	3150	2880	3080	3080	3380	
	H	1422	1422	1422	1422	1422	1422	1950	1950	2015	2015	
Packing Dimension (mm)	W	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	
	D	1960	2125	2290	2540	2950	3330	3060	3260	3260	3560	
	H	1472	1472	1472	1472	1472	1472	2000	2000	2065	2065	
Weight (kg)	4 Rows	Net Weight	750	800	873	1050	1200	1340	1470	1510	1620	1740
		Gross Weight	825	880	960	1155	1320	1474	1617	1661	1782	1914
	6 Rows	Net Weight	815	880	955	1130	1290	1430	1520	1655	1742	1850
		Gross Weight	896	968	1050	1243	1419	1573	1672	1820	1916	2035
	8 Rows	Net Weight	880	960	1037	1210	1380	1520	1570	1800	1864	1960
		Gross Weight	968	1056	1140	1331	1518	1672	1727	1980	2050	2156

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°, leaving water temp 50°.
 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°, leaving water temp 50°.

Horizontal Type II



Air Flow: 2000~60000m³/h
 1180~35290CFM
 Cooling Capacity: 10~1086kW
 Double Skin

Specification

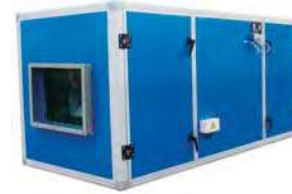
Model		AHU20H2	AHU30H2	AHU40H2	AHU50H2	AHU60H2	AHU80H2	AHU100H2	AHU120H2	AHU150H2	AHU160H2		
Air Flow	m³/h	2000	3000	4000	5000	6000	8000	10000	12000	15000	16000		
	CFM	1180	1760	2350	2940	3530	4710	5880	7060	8820	9410		
External Static Pressure (Pa)	4 Rows	I	190	190	190	270	270	270	270	270	290		
		II	330	330	330	370	370	370	370	370	370		
	6 Rows	I	140	140	140	220	220	220	220	220	240		
		II	280	280	280	320	320	320	320	320	320		
	8 Rows	I	90	90	90	170	170	170	170	170	190		
		II	230	230	230	270	270	270	270	270	270		
Motor Power (kW)	I	0.55	0.75	1.1	1.5	1.8	1.8	2.2	3.0	4.4	4.4		
	II	0.75	1.1	1.5	1.8	2.2	2.2	3	4	5.5	5.5		
Noise Level dB(A)	I	57	57	59	61	61	63	65	67	69	69		
	II	58	58	60	62	62	64	66	68	70	70		
Recycling Air	4 Rows	Cooling Capacity (kW)	10	17	23	25	32	42	54	70	88	95	
		Heating Capacity (kW)	15	26	35	38	48	63	81	105	132	143	
		Water Flow (m³/h)	1.7	2.9	3.9	4.3	5.5	7.2	9.3	12	15.1	16.3	
	6 Rows	Water Resistance (kPa)	13	13	12	12	15	11	12	16	16	18	
		Cooling Capacity (kW)	14	22	30	35	43	60	72	92	112	120	
		Heating Capacity (kW)	21	33	45	53	65	90	108	138	168	180	
	8 Rows	Water Flow (m³/h)	2.4	3.8	5.1	6	7.4	10.3	12.3	15.8	19.2	20.6	
		Water Resistance (kPa)	17	19	16	17	18	20	22	27	33	33	
		Cooling Capacity (kW)	15	28	36	45	54	66	88	105	136	144	
	Fresh Air	4 Rows	Heating Capacity (kW)	23	42	54	68	81	99	132	158	204	216
			Water Flow (m³/h)	2.6	4.8	6.2	7.7	9.3	11.3	15.1	18	23.3	24.7
			Water Resistance (kPa)	12	21	24	26	28	30	32	35	41	42
6 Rows		Cooling Capacity (kW)	22	38	51	60	78	105	125	156	178	182	
		Heating Capacity (kW)	33	57	77	90	117	158	188	234	267	273	
		Water Flow (m³/h)	3.8	6.5	8.7	10.3	13.4	18	21.4	26.7	30.5	31.2	
8 Rows		Water Resistance (kPa)	21	21	18	18	24	15	18	26	26	28	
		Cooling Capacity (kW)	26	49	64	78	99	134	156	202	224	240	
		Heating Capacity (kW)	39	74	96	117	149	201	234	303	336	360	
4 Rows		Water Flow (m³/h)	4.5	8.4	11	13.4	17	23	26.8	34.6	38.4	41.1	
		Water Resistance (kPa)	20	23	19	20	22	24	26	32	40	40	
		Cooling Capacity (kW)	37	56	70	84	95	122	172	218	250	276	
6 Rows	Heating Capacity (kW)	56	84	105	126	143	183	258	327	375	414		
	Water Flow (m³/h)	6.3	9.6	12	14.4	16.3	20.9	29.5	37.4	42.9	47.3		
	Water Resistance (kPa)	19	34	38	42	45	48	51	56	66	68		
Water Inlet/Outlet Pipe Connection		DN40			DN50			DN70					
Condensing Water Pipe Connection		DN32											
Power Supply		380V-3Ph-50Hz/60Hz											
Net Dimension (mm)	W	1650	1650	1650	1650	1650	1850	1950	2050	2050	2050		
	D	670	670	975	975	975	975	1280	1280	1585	1585		
	H	765	765	765	765	1070	1070	1070	1375	1375	1375		
Packing Dimension (mm)	W	1750	1750	1750	1750	1750	1950	2050	2150	2150	2150		
	D	850	850	1155	1155	1155	1155	1460	1460	1765	1765		
	H	815	815	815	815	1120	1120	1120	1425	1425	1425		
Weight (kg)	4 Rows	Net Weight	195	195	217	270	302	302	485	610	610		
		Gross Weight	214	214	238	297	332	332	533	671	671		
	6 Rows	Net Weight	247	247	247	331	360	360	520	667	667		
		Gross Weight	271	271	271	364	396	396	572	733	733		
	8 Rows	Net Weight	299	299	277	392	418	418	555	724	724		
		Gross Weight	328	328	304	431	459	459	610	796	796		

Specification

Model		AHU180H2	AHU200H2	AHU220H2	AHU250H2	AHU300H2	AHU350H2	AHU400H2	AHU450H2	AHU500H2	AHU600H2	
Air Flow	m ³ /h	18000	20000	22000	25000	30000	35000	40000	45000	50000	60000	
	CFM	10590	11760	12940	14710	17650	20590	23530	26470	29410	35290	
External Static Pressure (Pa)	4 Rows	I	320	320	370	420	420	420	420	470	470	
		II	520	520	570	570	570	570	570	570	570	
	6 Rows	I	270	270	320	320	370	370	370	370	420	
		II	470	470	520	520	520	520	520	520	520	
	8 Rows	I	220	220	270	270	320	320	320	370	370	
		II	420	420	470	470	470	470	470	470	470	
	Motor Power (kW)	I	4.8	5.3	7.5	7.5	11	15	15	18.5	18.5	22
		II	5.5	7.5	11	11	15	18.5	18.5	22	22	30
Noise Level dB(A)	I	69	71	71	71	74	74	77	77	77	79	
	II	70	72	72	72	75	75	78	78	78	80	
Recycling Air	4 Rows	Cooling Capacity (kW)	106	120	134	155	190	228	276	322	364	417
		Heating Capacity (kW)	159	180	201	233	285	342	414	483	546	626
		Water Flow (m ³ /h)	18.2	20.6	23	26.6	32.6	39.1	47.3	55.2	62.4	71.5
	6 Rows	Water Resistance (kPa)	20	15	15	15	25	30	45	30	40	45
		Cooling Capacity (kW)	132	155	176	198	230	276	320	351	420	468
		Heating Capacity (kW)	198	233	264	297	345	414	480	527	630	702
	8 Rows	Water Flow (m ³ /h)	22.6	26.6	30.2	33.9	39.4	47.3	54.9	60.2	72	80.2
		Water Resistance (kPa)	25	28	35	36	40	32	35	28	38	40
		Cooling Capacity (kW)	172	198	206	236	280	322	382	420	502	550
	4 Rows	Heating Capacity (kW)	258	297	309	354	420	483	573	630	753	825
		Water Flow (m ³ /h)	29.5	34	35.3	40.5	48	55.2	65.5	72	86.1	94.3
		Water Resistance (kPa)	45	51	56	40	50	57	32	38	41	53
Fresh Air	4 Rows	Cooling Capacity (kW)	200	242	280	320	380	430	510	588	720	780
		Heating Capacity (kW)	300	363	420	480	570	645	765	882	1080	1170
		Water Flow (m ³ /h)	34.3	41.5	48	54.9	65.1	73.7	87.4	100.8	123.4	133.7
	6 Rows	Water Resistance (kPa)	32	24	24	24	45	52	70	52	58	70
		Cooling Capacity (kW)	282	316	356	398	460	530	624	718	802	926
		Heating Capacity (kW)	423	474	534	597	690	795	936	1077	1203	1389
	8 Rows	Water Flow (m ³ /h)	48.4	54.2	61.1	68.3	78.9	90.9	107	123	138	159
		Water Resistance (kPa)	30	34	42	43	48	38	42	34	46	48
		Cooling Capacity (kW)	306	362	386	432	520	610	702	812	930	1086
	4 Rows	Heating Capacity (kW)	459	543	579	648	780	915	1053	1218	1395	1629
		Water Flow (m ³ /h)	52.5	62.1	66.2	74.1	89.2	104.6	120.4	139.3	159.5	186.3
		Water Resistance (kPa)	72	82	90	64	80	91	53	61	66	85
Water Inlet/Outlet Pipe Connection		DN70			DN80			DN100				
Condensing Water Pipe Connection		DN32										
Power Supply		380V-3Ph-50Hz/60Hz										
Net Dimension (mm)	W	2050	2050	2050	2050	3300	3500	3900	4200	4400	4600	
	D	1585	1585	1585	1890	1930	2235	2235	2540	2540	2845	
	H	1375	1680	1680	1680	2025	2025	2330	2330	2635	2635	
	W	2150	2150	2150	2150	3400	3600	4000	4300	4500	4700	
Packing Dimension (mm)	D	1765	1765	1765	2070	2110	2415	2415	2720	2720	3025	
	H	1425	1730	1730	1730	2075	2075	2380	2380	2685	2685	
	Net Weight	610	730	730	777	1287	1365	1598	1750	1872	2285	
	Gross Weight	671	803	803	854	1415	1501	1757	1925	2059	2513	
Weight (kg)	6 Rows	Net Weight	667	782	782	822	1348	1433	1670	1846	1970	2400
		Gross Weight	733	860	860	904	1482	1576	1837	2030	2167	2640
	8 Rows	Net Weight	724	834	834	867	1409	1501	1742	1942	2068	2515
		Gross Weight	796	917	917	953	1549	1651	1916	2136	2274	2766

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°, leaving water temp 50°.
 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°, leaving water temp 50°.

Horizontal Type III



Air Flow: 2000~60000m³/h
 1180~35290CFM
 Cooling Capacity: 10~1086kW
 Double Skin

Specification

Model		AHU20H3	AHU30H3	AHU40H3	AHU50H3	AHU60H3	AHU80H3	AHU100H3	AHU120H3	AHU150H3	AHU160H3		
Air Flow	m ³ /h	2000	3000	4000	5000	6000	8000	10000	12000	15000	16000		
	CFM	1180	1760	2350	2940	3530	4710	5880	7060	8820	9410		
External Static Pressure (Pa)	4 Rows	I	140	140	140	220	220	220	220	220	240		
		II	280	280	280	320	320	320	320	320	320		
	6 Rows	I	90	90	90	170	170	170	170	170	190		
		II	230	230	230	270	270	270	270	270	270		
	8 Rows	I	40	40	40	120	120	120	120	120	140		
		II	180	180	180	220	220	220	220	220	220		
	Motor Power (kW)	I	0.55	0.75	1.1	1.5	1.8	1.8	2.2	3	4.4	4.4	
		II	0.75	1.1	1.5	1.8	2.2	2.2	3	4	5.5	5.5	
Noise Level dB(A)	I	56	56	58	60	60	62	64	66	68	68		
	II	57	57	59	61	61	63	65	67	69	69		
Recycling Air	4 Rows	Cooling Capacity (kW)	10	17	23	25	32	42	54	70	88	95	
		Heating Capacity (kW)	15	26	35	38	48	63	81	105	132	143	
		Water Flow (m ³ /h)	1.7	2.9	3.9	4.3	5.5	7.2	9.3	12	15.1	16.3	
	6 Rows	Water Resistance (kPa)	13	13	12	12	15	11	12	16	16	18	
		Cooling Capacity (kW)	14	22	30	35	43	60	72	92	112	120	
		Heating Capacity (kW)	21	33	45	53	65	90	108	138	168	180	
	8 Rows	Water Flow (m ³ /h)	2.4	3.8	5.1	6	7.4	10.3	12.3	15.8	19.2	20.6	
		Water Resistance (kPa)	17	19	16	17	18	20	22	27	33	33	
		Cooling Capacity (kW)	15	28	36	45	54	66	88	105	136	144	
	Fresh Air	4 Rows	Heating Capacity (kW)	23	42	54	68	81	99	132	158	204	216
			Water Flow (m ³ /h)	2.6	4.8	6.2	7.7	9.3	11.3	15.1	18	23.3	24.7
			Water Resistance (kPa)	12	21	24	26	28	30	32	35	41	42
6 Rows		Cooling Capacity (kW)	22	38	51	60	78	105	125	156	178	182	
		Heating Capacity (kW)	33	57	77	90	117	158	188	234	267	273	
		Water Flow (m ³ /h)	3.8	6.5	8.7	10.3	13.4	18	21.4	26.7	30.5	31.2	
8 Rows		Water Resistance (kPa)	21	21	18	18	24	15	18	26	26	28	
		Cooling Capacity (kW)	26	49	64	78	99	134	156	202	224	240	
		Heating Capacity (kW)	39	74	96	117	149	201	234	303	336	360	
4 Rows		Water Flow (m ³ /h)	4.5	8.4	11	13.4	17	23	26.8	34.6	38.4	41.1	
		Water Resistance (kPa)	20	23	19	20	22	24	26	32	40	40	
		Cooling Capacity (kW)	37	56	70	84	95	122	172	218	250	276	
6 Rows	Heating Capacity (kW)	56	84	105	126	143	183	258	327	375	414		
	Water Flow (m ³ /h)	6.3	9.6	12	14.4	16.3	20.9	29.5	37.4	42.9	47.3		
	Water Resistance (kPa)	19	34	38	42	45	48	51	56	66	68		
Water Inlet/Outlet Pipe Connection		DN40			DN50			DN70					
Condensing Water Pipe Connection		DN32											
Power Supply		380V-3Ph-50Hz/60Hz											
Net Dimension (mm)	W	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250		
	D	670	670	975	975	975	975	1280	1280	1585	1585		
	H	765	765	765	765	1070	1070	1070	1375	1375	1375		
	W	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350		
Packing Dimension (mm)	D	850	850	1155	1155	1155	1155	1460	1460	1765	1765		
	H	815	815	815	815	1120	1120	1120	1425	1425	1425		
	Net Weight	217	217	217	300	330	330	509	640	640	640		
	Gross Weight	238	238	238	330	363	363	559	704	704	704		
Weight (kg)	6 Rows	Net Weight	269	269	269	361	391	391	546	700	700		
		Gross Weight	295	295	295	397	430	430	600	770	770		
	8 Rows	Net Weight	321	321	321	422	452	452	583	760	760		
		Gross Weight	353	353	353	464	497	497	641	836	836		