

AIRSIDE PRODUCTS



FAN COIL

OAK 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 OAK versatile fan coil units assures that we offer you the perfect solution for each of your individual requirements.

Practical orientation

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

Effectiveness

OAK fan coil units guarantee cosy and comfortable room atmosphere.

Space saving

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

Functionality

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

Stylishness

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

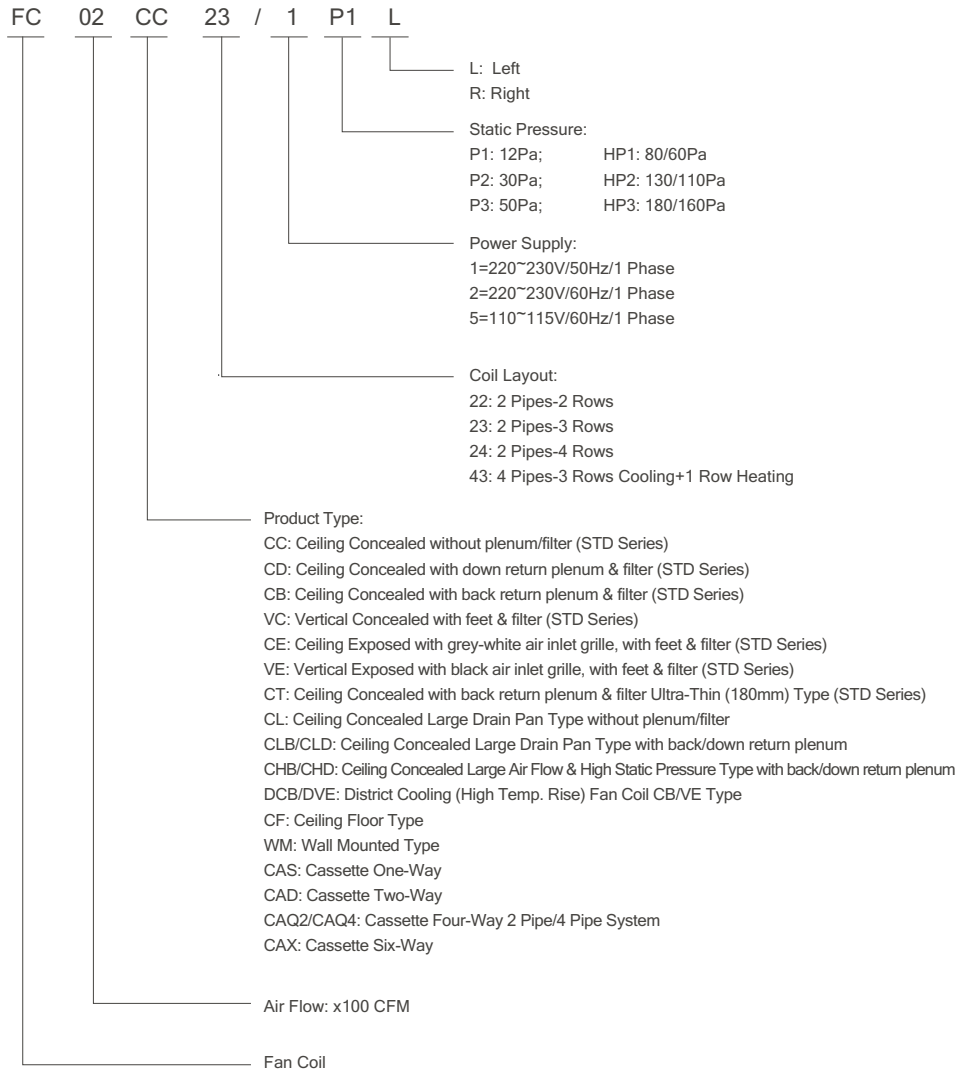
Cost effectiveness

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

Profitability

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

HOW TO READ THE MODELS



Standard Fan Coil



Ceiling Concealed

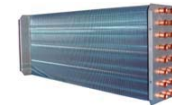


Vertical Concealed

Air Flow: 400~2450m³/h
200~1400CFM
Cooling Capacity: 1.45~13.08kW

Features and benefits

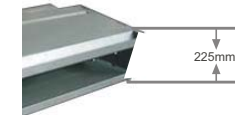
- High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.
- Easy installation by configuration of ABS fan blade and shell.



- 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

Air Flow: 400~2450m³/h
200~1400CFM
Cooling Capacity: 1.45~13.08kW

Features and benefits

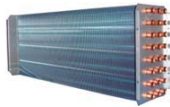
- Stylish and elegant design for high quality individual application.



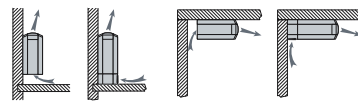
- Space saving with unit body thickness only 245mm.



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



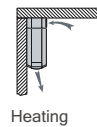
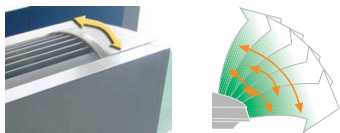
- All-in-one design guarantees great flexibility of installation both in ceiling suspended and vertical placed.



Cooling/Heating

Cooling/Heating

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



Heating

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

Specification

2 Pipe 2 Rows

Performance		Model	FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14
Air Flow	H	CFM	235	347	441	541	635	876	1029	1212	1441
		m ³ /h	400	590	750	920	1080	1490	1750	2060	2450
		CFM	182	265	329	406	476	659	776	906	1082
	M	m ³ /h	310	450	560	690	810	1120	1320	1540	1840
		CFM	118	176	218	271	318	441	512	606	724
		m ³ /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	44.77	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	
Electrical Heater (Opt.)	kW	-	-	-	-	-	-	-	-	-	
Static Pressure	Pa	12Pa/30Pa/50Pa									
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	
	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	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	1.6 MPa									
Inlet/Outlet Water Pipe	3/4" FPT										
Condensate Water Pipe	Ø 20										
Unit Dimension W/D/H	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*505*245	1000*505*245	1080*505*245	1150*505*245	1300*505*245	1600*505*245	1750*505*245	1900*505*245	2200*505*245	
	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	
Packing Dimension W/D/H	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	665*470*235	815*470*235	895*470*235	965*470*235	1115*470*235	1415*470*235	1565*470*235	1710*470*235	2010*470*235	
	Ceiling Exposed	870*520*260	1020*520*260	1100*520*260	1170*520*260	1320*520*260	1620*520*260	1770*520*260	1920*520*260	2220*520*260	
Unit Weight kg	Vertical Exposed	870*260*660	910*240*600	990*240*600	1060*240*600	1210*240*600	1510*240*600	1660*240*600	1810*240*600	2110*240*600	
	Ceiling Concealed	14	18	19	20	22	34	36	38	39	
	Ceiling Exposed	23	28	29	30	34	48	51	53	55	
Gross Weight kg	Vertical Concealed	12	15	16	17	18	29	30	32	33	
	Vertical Exposed	24	29	30	31	35	49	52	54	56	
	Ceiling Concealed	15	19	20	21	23	35	37	39	40	
Vertical Exposed	Ceiling Exposed	24	29	30	31	35	49	52	54	56	
	Vertical Concealed	13	16	17	18	19	30	31	33	34	
Vertical Exposed	25	30	31	32	36	50	53	55	57		

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.

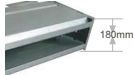
Ultra-Thin Type



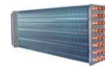
Air Flow: 340~1020m³/h
200~600CFM
Cooling Capacity: 1.46~5.66kW

Features and benefits

- Great space saving and installation flexibility as unit height is only 180mm.
- Fresh air by high efficiency synthetic fiber washable filter.
- 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 requirement.



- High energy efficiency with seamless copper tube mechanically expanded to aluminum fins.
- Easy installation by configuration of ABS fan blade and shell.
- Quiet operation thanks to DIDW forward curve centrifugal fan and NSK axis.



Specification

Specification		Model	FC02	FC03	FC04	FC05	FC06
Air Flow	H	CFM	200	300	400	500	600
		m ³ /h	340	510	680	850	1020
	M	CFM	160	230	320	370	470
		m ³ /h	280	400	550	640	800
	L	CFM	120	170	230	280	350
		m ³ /h	200	300	400	480	600
Total Cooling Capacity	H	kW	2.05	2.90	4.18	4.70	5.66
	M	kW	1.75	2.46	3.55	3.98	4.80
	L	kW	1.46	2.03	2.90	3.30	3.90
Sensible Cooling Capacity	H	kW	1.35	1.94	2.83	3.11	3.83
	M	kW	1.07	1.53	2.22	2.45	3.01
	L	kW	0.86	1.17	1.71	1.90	2.30
Heating Capacity	H	kW	3.10	4.35	6.02	7.05	8.35
	M	kW	2.60	3.69	5.10	5.99	7.10
	L	kW	2.10	3.05	4.20	4.90	5.80
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		12Pa/30Pa				
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	Type	Forward curve centrifugal fan					
	Insulation	Four speed asynchronous fan motor					
	Power Supply	Class E					
		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					
Net Dimension	mm(W/D/H)	728*450*180	878*450*180	1028*450*180	1178*450*180	1378*450*180	
Packing Dimension	mm(W/D/H)	750*470*200	900*470*200	1050*470*200	1200*470*200	1400*470*200	
Net Weight	kg	16	18	21	23	25	
Gross Weight	kg	17	19	22	24	26	

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.

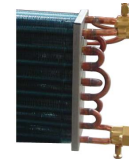
Large Drain Pan Type



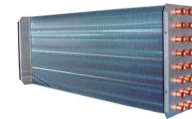
Air Flow: 170~2420 m³/h
100~1424 CFM
Cooling Capacity: 1.40~12.49 kW

Features and benefits

- **ME** 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.



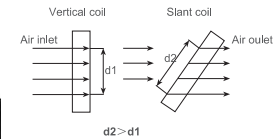
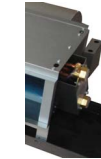
- High efficiency with seamless copper tube mechanically expanded to aluminum fins.



- 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.



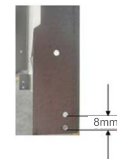
- Slant positioned coil can enlarge the air flow facing area in order to increase the unit's efficiency. The drawer design of coil makes it simple to change the unit pipe connection between right and left, which makes the installation and repairing work much convenient.



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



- 8 mm slope of the drain pan ensures the condensing water going smoothly to the lowest drainage outlet point to be drained out.



Specification

2 Pipes 2 Rows

Specification		Model	FC02	FC03	FC04	FC05	FC06	FC08	FC10	FC12	FC14	
Air Flow	H	CFM	224	312	424	529	635	876	1029	1271	1424	
		m ³ /h	380	530	720	900	1080	1490	1750	2160	2420	
		CFM	168	234	318	397	476	723	849	1048	1153	
	M	m ³ /h	285	398	540	675	810	1229	1444	1782	1960	
		CFM	112	156	212	265	318	548	644	794	890	
		m ³ /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	12 Pa-H	W	28	34	55	68	87	125	152	185	205	
		30 Pa-H	W	42	55	68	87	108	142	174	210	253
		50 Pa-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									
Noise Level	12 Pa-H	dB(A)	34	35	38	42	43	44	46	48	49	
		30 Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
		50 Pa-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	50	
Fan Type			Forward curve centrifugal fan									
Motor	Type		Four speed asynchronous fan motor									
	Insulation		Class E									
	Power Supply		220~230V/50 or 60Hz/1Ph									
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	mm(W*D*H)		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	mm(W*D*H)		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:

- 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.
- 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.

2 Pipes 3 Rows

Specification		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	
		CFM	150	225	300	375	450	660	825	990	1134	
	M	m ³ /h	255	382	510	637	765	1122	1402	1683	1927	
		CFM	100	150	200	250	300	500	625	750	875	
		m ³ /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	12 Pa-H	W	28	34	55	68	87	125	152	185	205	
		30 Pa-H	W	42	55	68	87	108	142	174	210	253
		50 Pa-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									
Noise Level	12 Pa-H	dB(A)	34	35	38	42	43	44	46	48	49	
		30 Pa-H	dB(A)	37	38	41	44	45	46	48	48	49
		50 Pa-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	50	
Fan Type			Forward curve centrifugal fan									
Motor	Type		Four speed asynchronous fan motor									
	Insulation		Class E									
	Power Supply		220~230V/50 or 60Hz/1Ph									
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	mm(W*D*H)		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	mm(W*D*H)		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:

- 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.
- 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.

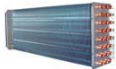
Large Air Flow and High Static Pressure Type



Air Flow: 803~6260m³/h
472~3682CFM
Cooling Capacity: 5.06~39.70kW

Features and benefits

- High energy efficiency with seamless copper tube mechanically 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

2 Pipe 3 Rows

Specification		Model	FC06	FC08	FC10	FC12	FC15	FC18	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1894	2526	3159	3682
		m ³ /h	1070	1430	1790	2145	2685	3220	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1648	2173	2685	3167
		m ³ /h	920	1244	1522	1845	2336	2801	3694	4565	5384
	L	CFM	472	622	790	959	1185	1421	1920	2338	2688
		m ³ /h	803	1058	1343	1630	2014	2415	3264	3974	4570
Total Cooling Capacity	H	kW	6.10	7.50	9.00	11.50	13.50	15.80	20.80	27.00	31.40
	M	kW	5.49	6.68	8.19	10.58	11.88	13.75	18.30	24.03	27.32
	L	kW	5.06	6.30	7.65	9.43	11.21	13.11	17.47	22.68	26.38
Sensible Cooling Capacity	H	kW	4.60	5.60	6.50	8.30	10.00	11.80	15.30	19.60	23.10
	M	kW	4.00	4.82	5.66	7.22	8.40	9.91	13.01	16.66	19.17
	L	kW	3.50	4.31	5.07	6.31	7.60	9.09	11.63	15.09	17.79
Heating Capacity	H	kW	9.30	11.50	14.10	18.10	20.90	25.00	32.10	42.20	49.20
	M	kW	8.09	10.12	12.55	15.75	18.81	22.25	29.21	38.40	43.30
	L	kW	7.72	9.66	11.84	15.20	17.35	21.00	27.29	34.60	40.84
Power Input	80Pa-H	W	180	280	340	390	470	710	800	980	1170
	130Pa-H	W	240	370	450	520	620	830	950	1130	1350
	180Pa-H	W	320	500	600	680	800	950	1240	1470	1760
Max Current	A	1.5	2.3	2.7	3.1	3.6	4.3	5.6	6.7	8.0	
Static Pressure	Pa	80Pa/130Pa/180Pa									
Noise Level	80Pa-H	dB(A)	48	49	50	52	55	56	60	61	62
	130Pa-H	dB(A)	51	52	53	55	58	59	62	64	65
	180Pa-H	dB(A)	53	55	56	58	60	62	65	67	67
Water Flow	kg/h	1000	1200	1500	1900	2200	2600	3400	4500	5200	
	l/s	0.278	0.333	0.417	0.528	0.611	0.722	0.944	1.250	1.444	
Water Resistance	kPa	8.7	11.7	16.8	25.4	35	43.5	25.4	39.5	48.7	
Fan Type		Forward curve centrifugal fan									
Motor	Type	Three 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		1" MPT							1 1/4" MPT		
Condensate Water Pipe		3/4" MPT									
Net Dimension	mm(W/D/H)	1180*835*365	1180*835*365	1280*835*365	1480*835*365	1580*835*365	1680*835*365	1780*935*465	2080*935*465	2280*935*465	
Packing Dimension	mm(W/D/H)	1260*885*415	1260*885*415	1360*885*415	1560*885*415	1660*885*415	1760*885*415	1860*985*415	2160*985*415	2360*985*415	
Net Weight	kg	54	54	57	65	68	71	91	103	111	
Gross Weight	kg	56	56	60	68	71	74	94	107	115	

Specification

2 Pipe 4 Rows

Specification		Model	FC06	FC08	FC10	FC12	FC15	FC18	FC25	FC31	FC36
Air Flow	H	CFM	629	841	1053	1262	1579	1894	2526	3159	3682
		m ³ /h	1070	1430	1790	2145	2685	3220	4295	5370	6260
	M	CFM	541	732	895	1085	1374	1648	2173	2685	3167
		m ³ /h	920	1244	1522	1845	2336	2801	3694	4565	5384
	L	CFM	472	622	790	959	1185	1421	1920	2338	2688
		m ³ /h	803	1058	1343	1630	2014	2415	3264	3974	4570
Total Cooling Capacity	H	kW	7.60	10.10	11.80	14.20	16.40	18.60	26.30	35.00	39.70
	M	kW	6.84	8.99	10.74	13.06	14.43	16.18	23.14	31.15	34.54
	L	kW	6.31	8.48	10.03	11.64	13.61	15.44	22.09	29.40	33.35
Sensible Cooling Capacity	H	kW	5.80	7.50	8.70	10.60	12.50	14.10	19.30	25.60	29.80
	M	kW	5.05	6.45	7.57	9.22	10.50	11.84	16.41	21.76	24.73
	L	kW	4.41	5.78	6.79	8.06	9.50	10.86	14.67	19.71	22.95
Heating Capacity	H	kW	12.00	15.50	18.30	22.40	25.00	28.50	41.30	55.40	61.60
	M	kW	10.44	13.64	16.29	19.49	22.50	25.37	37.58	50.41	54.21
	L	kW	9.96	13.02	15.37	18.82	20.75	23.94	35.11	45.43	51.13
Power Input	60Pa-H	W	210	320	400	480	550	750	850	1090	1280
	110Pa-H	W	260	410	500	570	640	850	960	1230	1460
	160Pa-H	W	350	550	650	770	860	970	1260	1560	1840
Max Current	A	1.6	2.5	3.0	3.5	3.9	4.4	5.7	7.1	8.4	
Static Pressure	Pa	60Pa/110Pa/160Pa									
Noise Level	60Pa-H	dB(A)	48	50	51	53	56	57	60	62	64
	110Pa-H	dB(A)	50	52	53	55	58	60	63	65	66
	160Pa-H	dB(A)	53	56	56	58	61	63	66	68	70
Water Flow	kg/h	1300	1700	2000	2500	2800	3200	4500	6000	6800	
Water Resistance	l/s	0.361	0.472	0.556	0.694	0.778	0.889	1.250	1.667	1.889	
Water Resistance	kPa	12.3	16.2	23.5	32.9	42.1	48.7	30.2	42.3	53.4	
Fan Type		Forward curve centrifugal fan									
Motor	Type	Three 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									
Net Dimension	mm(W/D/H)	1180*835*365	1180*835*365	1280*835*365	1480*835*365	1580*835*365	1680*835*365	1780*935*465	2080*935*465	2280*935*465	
Packing Dimension	mm(W/D/H)	1260*885*415	1260*885*415	1360*885*415	1560*885*415	1660*885*415	1760*885*415	1860*985*415	2160*985*415	2360*985*415	
Net Weight	kg	56	56	59	67	70	73	94	108	116	
Gross Weight	kg	58	58	62	70	73	76	97	112	120	

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.

Wall Mounted Type



Air Flow: 218~1360m³/h
128~800CFM
Cooling Capacity: 1.15~7.20kW

Features and benefits

- The modern elegant appealing design of wall mounted fan coil units easily match with indoor decoration.
- High efficiency by utilizing of inner-grooved cooper tube with hydrophilic aluminum fins.
- Large LED display with lambency light provides sufficient operation information but without negative influence of indoor environment.
- Newly designed cross flow fan with three speed control guarantees more quiet operation and comforatability.
- Much more fresh air by utilizing of high efficiency and easy cleanable filter.
- Refined operation experience by multiple intelligent control functions: 5-position fan blade, timer, sleep, on/off, auto-restart etc.



Specification

Specification		Model	FC02	FC03	FC04	FC05	FC06	FC08
Air Flow	H	CFM	200	300	400	500	600	800
		m ³ /h	340	510	680	850	1020	1360
		CFM	160	240	320	400	480	640
	M	m ³ /h	272	408	544	680	816	1088
		CFM	128	192	256	320	384	512
		m ³ /h	218	326	435	544	653	870
Total Cooling Capacity	H	kW	1.80	2.70	3.60	4.50	5.40	7.20
	M	kW	1.44	2.16	2.88	3.60	4.32	5.76
	L	kW	1.15	1.73	2.30	2.88	3.46	4.61
Sensible Cooling Capacity	H	kW	1.40	2.11	2.81	3.51	4.21	5.62
	M	kW	1.12	1.68	2.25	2.81	3.37	4.49
	L	kW	0.90	1.35	1.80	2.25	2.70	3.59
Heating Capacity	H	kW	2.70	4.50	5.40	6.75	8.10	10.80
	M	kW	2.16	3.60	4.32	5.40	6.48	8.64
	L	kW	1.73	2.88	3.46	4.32	5.18	6.91
Power Input	W	25	30	39	45	80	90	
Running Current	A	0.12	0.14	0.18	0.21	0.36	0.43	
Noise Level	dB(A)-H/M/L	37/35/32	39/36/34	41/38/35	43/40/37	44/41/38	45/42/39	
Water Flow	kg/h	500	520	620	860	980	1220	
	l/s	0.139	0.144	0.172	0.239	0.272	0.339	
Water Resistance	kPa	12	14	16	18	22	25	
Fan Type	Type	Cross Flow Fan Blower						
	Insulation	Cross Flow Fan Motor Class B						
	Power Supply	220-230V/1Ph/50 or 60Hz						
	Power Consumption(W)	10	12	15.6	18	32	36	
Coil	Type	Seamless copper mechanically expanded into aluminum fins						
	Rows	2						
	Max Working Pressure	1.4 MPa						
Inlet/Outlet Water Pipe	1/2" MPT							
Condensate Water Pipe	φ 25							
Net Dimension	mm(W/D/H)	795*285*215	795*285*215	990*330*230	990*330*230	1090*330*255	1090*330*255	
Packing Dimension	mm(W/D/H)	905*370*283	905*370*283	1065*375*275	1065*375*275	1145*375*315	1145*375*315	
Net Weight	kg	11.2	11.2	14.5	14.5	16.5	16.5	
Gross Weight	kg	14.8	14.8	18.5	18.5	19	19	

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.

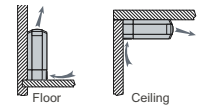
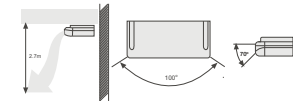
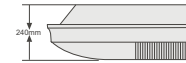
Ceiling Floor Type



Air Flow: 510~2380m³/h
300~1400CFM
Cooling Capacity: 1.73~12.6kW

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

Specification		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
		CFM	262	347	435	522	697	871	1044	1218
	M	m ³ /h	445	590	740	888	1,185	1,480	1,775	2,070
		CFM	226	303	379	456	606	756	909	1059
		m ³ /h	385	515	645	775	1030	1285	1545	1800
Total Cooling Capacity	H	kW	2.70	3.60	4.50	5.40	7.20	9.00	10.80	12.60
	M	kW	2.16	2.88	3.60	4.32	5.76	7.20	8.64	10.08
	L	kW	1.73	2.30	2.88	3.46	4.61	5.76	6.91	8.06
Sensible Cooling Capacity	H	kW	2.03	2.70	3.38	4.05	5.40	6.75	8.10	9.45
	M	kW	1.62	2.16	2.70	3.24	4.32	5.40	6.48	7.56
	L	kW	1.30	1.73	2.16	2.59	3.46	4.32	5.18	6.05
Heating Capacity	H	kW	4.05	5.40	6.75	8.10	10.80	13.50	16.20	18.90
	M	kW	3.24	4.32	5.40	6.48	8.64	10.80	12.96	15.12
	L	kW	2.59	3.46	4.32	5.18	6.91	8.64	10.37	12.10
Power Input	W	45	50	80	110	120	150	170	188	
Running Current	A	0.19	0.23	0.36	0.49	0.54	0.68	0.82	0.9	
Noise Level	dB(A)-H/M/L	39/37/36	41/38/35	43/40/38	45/42/39	46/43/40	48/45/42	50/47/45	51/48/45	
Water Flow	kg/h	520	620	860	980	1220	1580	1920	2100	
	l/s	0.144	0.172	0.239	0.272	0.339	0.439	0.533	0.583	
Water Resistance	kPa	14	16	18	22	25	39	44	44	
Fan Type	Type	Centrifugal Fan								
	Insulation	Split Permanent Capacitor Motor Class B								
	Power Supply	220-230V/1Ph/50 or 60Hz								
	Power Consumption(W)	18	20	32	44	48	60	68	75	
Coil	Type	Seamless copper mechanically expanded into aluminum fins								
	Rows	2								
	Max Working Pressure	1.4 MPa								
Inlet/Outlet Water Pipe	3/4" FPT									
Condensate Water Pipe	φ 25									
Net Dimension	mm(W/D/H)	905*673*243			1288*673*243			1672*673*243		
Packing Dimension	mm(W/D/H)	995*765*311			1375*765*311			1760*765*311		
Net Weight	kg	25			40			45		
Gross Weight	kg	30			45			50		

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.

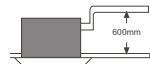
1-Way Cassette Type



Air Flow: 340~800m³/h
200~471CFM
Cooling Capacity: 1.1~4.0kW

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.
- High efficiency drainage system with water lifting pump up to 600mm.
- Maximum utilization of room space with recessed ceiling installation.
- Newly designed pressure-stable centrifugal fan ensures the lowest operation noise.
- Compact design as unit height only 235mm, easy for installation.



Specification

Specification	Model	FC02	FC03	FC04	FC05					
Air Flow	H	CFM	200	300	400	471				
		m³/h	340	510	680	800				
	M	CFM	159	235	306	382				
		m³/h	270	400	520	650				
L	CFM	112	176	235	294					
	m³/h	190	300	400	500					
Total Cooling Capacity	H	kW	1.90	2.70	3.60	4.00				
	M	kW	1.50	2.10	2.80	3.30				
	L	kW	1.00	1.60	2.10	2.60				
Sensible Cooling Capacity	H	kW	1.30	1.90	2.50	2.80				
	M	kW	1.10	1.60	2.10	2.30				
	L	kW	0.80	1.30	1.70	1.80				
Heating Capacity	H	kW	2.70	4.10	5.40	6.40				
	M	kW	2.20	3.20	4.10	5.20				
	L	kW	1.50	2.40	3.20	4.00				
Power Input	W	45	54	62	70					
Running Current	A	0.2	0.24	0.28	0.31					
Noise Level	dB(A)-H/M/L	39/36/30	39/36/30	40/37/31	42/39/37					
Water Flow	kg/h	330	480	625	690					
	l/s	0.092	0.133	0.174	0.192					
Water Resistance	kPa	10	15	18	20					
Fan Type	Centrifugal Fan									
Motor	Type	Split Permanent Capacitor Motor								
	Insulation	Class B								
	Power Supply	220~230V/1Ph/50 or 60Hz								
Power Consumption(W)	20	20	25	35						
Coil	Type	Seamless copper mechanically expanded into aluminum fins								
	Rows	3								
	Max Working Pressure	1.4 MPa								
Inlet/Outlet Water Pipe	3/4" FPT									
Condensate Water Pipe	Φ 25									
Net Dimension	Unit	850*400*235			710*710*290	811*811*290				
	Panel	1045*465*30			800*800*30	950*950*30				
Packing Dimension	Unit	730*730*310			865*865*340	1015*1015*340				
	Panel	730*730*310			865*865*340	1015*1015*340				
Net Weight	Unit	22.5	22.5	23.5	28	29	29	36	38	38
	Panel	2.5				4		5		
Gross Weight	Unit	23.8	23.8	23.8	29.6	30.6	30.6	38	40	40
	Panel	3.5				5.3		5.6		

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

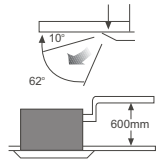
4-Way Cassette Type



Air Flow: 340~2380m³/h
200~1400CFM
Cooling Capacity: 1.1~12.6kW

Features and benefits

- Maximum utilization of room space with recessed ceiling installation.
- 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.
- Round and optimized engineering designed coils enables the most effective energy exchanging.
- Newly designed pressure-stable radial fan ensures the lowest operation noise.



Specification

Specification	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	165	229	306	376	465	606	759	882	1059
		m³/h	280	390	520	640	790	1030	1290	1500	1800
	L	CFM	106	153	206	253	306	406	506	607	706
		m³/h	180	260	350	430	520	690	860	1032	1200
Total Cooling Capacity	H	kW	2.00	2.70	3.70	5.00	5.60	7.10	9.10	11.00	12.60
	M	kW	1.50	2.50	3.40	3.90	4.70	6.30	8.00	9.60	11.10
	L	kW	1.10	2.10	2.80	3.20	3.70	4.20	5.40	8.00	8.70
Sensible Cooling Capacity	H	kW	1.60	2.10	2.70	3.60	4.30	5.10	6.70	8.10	9.50
	M	kW	1.10	1.90	2.60	2.90	3.50	4.70	6.00	7.20	8.30
	L	kW	0.90	1.60	2.20	2.60	3.00	3.40	4.30	6.40	7.00
Heating Capacity	H	kW	2.80	4.20	5.60	7.00	8.40	11.20	13.90	16.70	19.50
	M	kW	2.24	3.12	4.16	5.12	6.32	8.24	10.32	12.00	14.40
	L	kW	1.44	2.08	2.80	3.44	4.16	5.52	6.88	8.26	9.60
Power Input	W	37	52	62	76	96	132	152	189	220	
Running Current	A	0.16	0.23	0.27	0.34	0.43	0.59	0.67	0.84	0.98	
Noise Level	dB(A)-H/M/L	38/35/30	39/36/32	42/38/35	44/41/37	45/42/39	47/44/41	49/46/42	51/47/53	53/48/44	
Water Flow	kg/h	345	520	640	860	970	1260	1710	1920	2210	
	l/s	0.096	0.144	0.178	0.239	0.269	0.350	0.475	0.533	0.614	
Water Resistance	kPa	7	9	11	16	18	19	17	19	22	
Fan Type	Centrifugal Fan										
Motor	Type	Split Permanent Capacitor Motor									
	Insulation	Class B									
	Power Supply	220~230V/1Ph/50 or 60Hz									
Power Consumption(W)	28	43	53	67	97	123	143	180	210		
Coil	Type	Seamless copper mechanically expanded into aluminum fins									
	Rows	2									
	Max Working Pressure	1.4 MPa									
Inlet/Outlet Water Pipe	3/4" FPT										
Condensate Water Pipe	Φ 25										
Net Dimension	Unit	580*580*250			710*710*290			811*811*290			
	Panel	680*680*30			800*800*30			950*950*30			
Packing Dimension	Unit	730*730*310			865*865*340			1015*1015*340			
	Panel	730*730*310			865*865*340			1015*1015*340			
Net Weight	Unit	22.5	22.5	23.5	28	29	29	36	38	38	
	Panel	2.5				4		5			
Gross Weight	Unit	23.8	23.8	23.8	29.6	30.6	30.6	38	40	40	
	Panel	3.5				5.3		5.6			

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