



Fan Coil

EKOEN

Karakteristike vertikalnih i horizontalnih fan coila



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
	M	CFM	182	265	329	406	476	659	776	906	1082
		m ³ /h	310	450	560	690	810	1120	1320	1540	1840
	L	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		Φ 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	
	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	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	2015*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	
	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*660	1020*260*660	1100*260*660	1170*260*660	1320*260*660	1610*260*660	1770*260*660	1910*260*660	2210*260*660	
Unit Weight kg	Ceiling Concealed	14	18	19	20	22	34	36	38	39	
	Ceiling Exposed	23	28	29	30	34	48	51	53	55	
	Vertical Concealed	12	15	16	17	18	29	30	32	33	
	Vertical Exposed	24	29	30	31	35	49	52	54	56	
Gross Weight kg	Ceiling Concealed	15	19	20	21	23	35	37	39	40	
	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.

Karakteristike kasetnih fan coila

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.

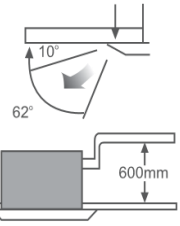


- Round and optimized engineering designed coils enables the most effective energy exchanging.

- 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

Specification		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		
		m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	2890		
	M	CFM	171	235	318	412	500	653	824	982	1147	1388		
		m ³ /h	290	400	540	700	850	1110	1400	1670	1950	2360		
	L	CFM	118	171	235	324	400	506	647	765	894	1082		
		m ³ /h	200	290	400	550	680	860	1100	1300	1520	1840		
Total Cooling Capacity	H	kW	2.0	2.7	3.7	4.5	5.6	7.0	9.1	10.8	12.6	15.3		
	M	kW	1.56	2.34	3.08	3.81	4.51	6.19	7.60	9.22	10.51	12.76		
	L	kW	1.37	2.06	2.70	3.36	4.04	5.52	6.73	8.23	9.39	11.4		
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	8.87		
	L	kW	0.88	1.32	1.74	2.12	2.53	3.49	4.31	5.31	5.86	7.12		
Heating Capacity	H	kW	2.8	4.2	5.6	7.0	8.4	11.2	13.9	16.7	19.5	23.7		
	M	kW	2.19	3.21	4.38	5.44	6.55	8.69	11.00	13.26	15.30	18.6		
	L	kW	1.90	2.81	3.75	4.67	5.57	7.41	9.32	11.31	12.89	16.7		
Power Input	W	39	52	62	76	96	132	152	189	220	330			
Running Current	A	0.18	0.24	0.27	0.33	0.38	0.58	0.78	0.80	1.07	1.43			
Noise Level	dB(A)-H/M/L	37/34/30	39/36/32	41/38/35	43/39/36	45/42/39	46/43/39	47/44/40	50/46/42	52/48/44	57/52/47			
Water Flow	kg/h	345	470	640	780	970	1260	1710	1920	2160	2640			
	l/s	0.096	0.131	0.178	0.217	0.269	0.350	0.475	0.533	0.600	0.733			
Water Resistance	kPa	7	9	11	16	18	19	17	19	22	36			
Fan Type			Centrifugal Fan											
Motor	Type	Split Permanent Capacitor Motor												
	Insulation	Class B												
	Power Supply	220~230V/1Ph/50 or 60Hz												
	Power Consumption (W)	39	52	62	76	96	132	152	189	220	330			
Coil	Type	Seamless copper mechanically expanded into aluminum fins												
	Rows	1.6 MPa												
	Max. Working Pressure	3/4" FPT												
Inlet/Outlet Water Pipe		Φ 26												
Condensate Water Pipe		Infrared Remote Controller (Optional: Wired Controller)												
Net Dimension	Unit	580*580*250				710*710*290				832*832*290				950*950*290
	Panel	680*680*30				830*830*30				980*980*30				1140*1140*30
Packing Dimension	Unit	675*675*270				800*800*310				925*925*310				1045*1045*310
	Panel	720*720*75				860*860*75				1010*1010*75				1170*1170*75
Net Weight	Unit	18				22				31				48
	Panel	2				2.5				3				4
Gross Weight	Unit	19				24				33				50
	Panel	3				3.5				4				5

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, 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.

EKOEN

EKOEN d.o.o.

Address: Pavlovića put 2A,,Bijeljina, Bosnia and Herzegovina

Tel: +387 55 335 056

Email: info@ekoen.ba; Web: www.ekoen.ba

