

Ground Fan Coil

فن کویل زمینی

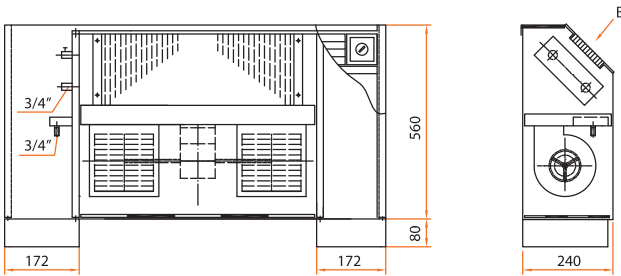
FVC Series

- Ari flow: 200 - 1400 CFM
- Output: 1,89 - 12,32 kw

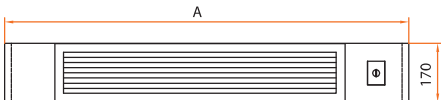


Code: FVC System				20	30	40	50	60	80	100	120	140	
Rows				2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	
CFM				3	3	3	3	3	3	3	3	3	
				200	300	400	500	600	800	1000	1200	1400	
Air flow rate			H	m³/h	340	510	680	850	1020	1360	1700	2040	2380
			M	m³/h	255	383	510	638	765	1020	1275	1530	1785
			L	m³/h	170	255	340	425	510	680	850	1020	1190
Cooling	Total Capacity	H	kw	1,89	2,80	3,71	4,63	5,52	7,05	8,84	10,58	12,32	
		M	kw	1,66	2,43	3,25	4,03	4,79	6,18	7,74	9,16	10,72	
		L	kw	1,32	1,93	2,57	3,18	3,78	4,90	6,14	7,28	8,47	
	Sensible Capacity	H	kw	1,31	1,93	2,53	3,15	3,72	4,86	6,07	7,24	8,39	
		M	kw	1,10	1,60	2,13	2,63	3,15	4,07	5,08	6,00	7,04	
		L	kw	0,84	1,23	1,62	2,01	2,38	3,12	3,90	4,61	5,41	
	Water flow rate		l/h	325	482	638	796	949	1212	1520	1819	2119	
Water pressure drop		kPa	12	16	23	25	35	33	39	35	45		
Heat	Heating Capacity	H	kw	3,14	4,56	6,00	7,38	8,71	11,41	14,25	16,79	19,48	
		M	kw	2,57	3,73	4,92	6,05	7,15	9,40	11,73	13,85	16,06	
		L	kw	1,88	2,75	3,62	4,47	5,30	6,98	8,71	10,30	11,95	
Power Supply				220~240V/1Phase/50Hz (or 60Hr)									
Power input			W	37	52	62	76	96	134	152	189	228	
Sound Pressure			dB (A)	37	37	41	43	45	46	48	50	52	
Fan	Type		Centrifugal										
	Quantity	nr.	1	2	2	2	2	3	4	4	4		
Motor	Type		3-Speeds Motor										
	Quantity	nr.	1	1	1	1	1	2	2	2	2		
Coil	Nr. of coil rows	nr.	3										
	Max. working pressure	MPa	1,6										
	Tube diameter	inch	3/8"										
Water inlet/outlet pipe			inch	3/4" FPT									
Condensate discharge			inch	3/4"MPT									
Weight			kg	16	20	22	24,5	26,5	35	38	44	46,5	

1. Cooling: Inlet Air Temp.: DB=27°C/WB=19,5°C, Inlet/Outlet Water Temp. +7°C/+12°C
2. Heating: Inlet Air Temp.: +21°C, Inlet Water Temp. +60°C; Same Water Flow Rate as for the Cooling;



Slope Air Outlet



B view

FVC -	20	30	40	50	60	80	100	120	140
A	815	965	1065	1200	1300	1620	1720	1920	2120

Cassette Fan Coil

فن کویل کاستی

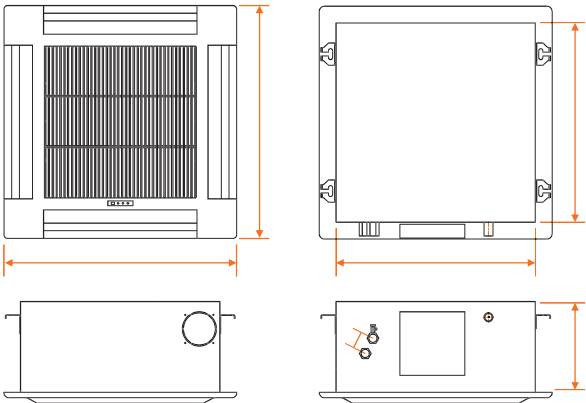
FCA Series

- Ari flow: 300 - 1600 CFM
- Output: 2,0 - 17,6 kw
- Mercury Series 4-way Cassette Panel
- Motor Drive Air Delivery Louver
- Per-Stamped Hole For Fresh Air Intake
- Build-in Drain Pump With 70cm Head
- Wireless Remote Controller
- Various Control method available
- Valve Control Function



Code: FCA System Rows CFM				107	109	112	115	118	315	318	324	326	330	730	736	742	748	760		
				2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe	2 pipe
				1	2	2	2	3	2	2	2	2	2	3	2	2	2	2	2	3
				300	324	400	500	471	500	600	800	1000	953	1000	1200	1400	1600	1550		
Cooling	Total Capacity	H	kw	2,0	2,7	3,6	4,3	5,3	4,5	5,4	7,2	7,5	8,8	9,0	10,8	12,6	14,1	17,6		
		M	kw	1,6	2,2	3,0	3,6	4,3	3,8	4,6	6,0	6,2	7,0	7,8	9,2	11,1	12,3	15,3		
		L	kw	1,2	1,7	2,3	2,8	3,2	3,0	3,7	4,7	4,9	5,3	6,6	8,1	9,7	10,9	13,8		
	Sensible Capacity	H	kw	1,6	2,1	2,8	3,5	4,1	3,5	4,3	5,9	6,0	7,0	7,2	8,7	10,5	11,6	14,6		
		M	kw	1,2	1,6	2,3	2,9	3,0	2,9	3,6	4,7	4,8	5,7	6,1	7,3	9,0	10,2	12,4		
		L	kw	1,0	1,2	1,7	2,3	2,1	2,4	2,9	3,7	3,8	4,5	5,0	6,3	7,6	8,6	10,9		
	Water Floe rate	l/h	344	464	619	739	911	774	929	1238	1290	1513	1548	1857	2167	2425	3027			
Water Presure Drop	kPa	8	10	17	24	19	11	16	28	31	35	25	29	39	49	46				
Heating	Heating Capacity	H	kw	2,9	4,1	5,4	6,7	7,9	6,8	8,1	10,8	11,5	13,2	13,5	16,2	18,9	21,1	26,4		
		M	kw	2,2	3,2	4,2	5,2	6,0	5,4	6,6	8,4	9,2	10,5	10,9	12,7	15,4	17,4	21,3		
L		kw	1,7	2,3	3,1	4,0	4,6	4,3	5,2	6,5	6,9	8,0	8,3	10,1	12,0	13,5	16,2			
Air Flow	Ari Flow	H	m³/h	510	550	680	850	800	850	1020	1360	1700	1620	1700	2040	2380	2720	2635		
		M	m³/h	400	420	540	660	620	700	840	1060	1320	1260	1380	1610	1950	2250	2130		
		L	m³/h	290	310	400	500	470	520	660	820	1010	960	1050	1280	1520	1750	1620		
Other Data	Sound Pserrure (1m)	H	dB (A)	39	39	41	46	46	43	45	46	52	50	48	50	52	58	57		
		M	dB (A)	31	31	37	40	39	36	38	39	64	45	40	45	46	53	52		
		L	dB (A)	29	29	31	33	32	32	34	36	38	38	35	37	39	48	48		
	Power Input		W	52	52	62	76	70	75	96	120	152	145	152	189	228	290	280		
	Coil Rows		nr.	1	2	2	2	3	2	2	2	2	3	2	2	2	2	3		
	Unit Weight		kg	19	20	20	20	22	29	29	29	29	31.5	40	40	40	40	43		
	Unit Panel (L * W)		mm	650*650						850*850						1050*1050				
Unit Body (L * W * H)		mm	575*575*250						740*740*290						940*940*290					

1. Cooling: Inlet Air Temp.: DB=27°C/WB=19,5°C, Inlet/Outlet Water Temp. +7°C/+12°C
2. Heating: Inlet Air Temp.: +21°C, Inlet Water Temp. +60°C; Same Water Flow Rate as for the Cooling;



Other Technichal Data For All Models	
Power Supply	220-240/1/50(60)
Fan Blower Type/Qty	Centrifugal, Forward-Curved Blades / 1
Coil Max. Working Pressure	1.6 MPa
Coil Tube Diameter	3/8" Smooth tube
Water Inlet/Outlet Pip Connection	3/4"
Condensate Discharge Connection	26mm (Outer Dismeter)

Dimension	A	B	C	D	E
FCA-1xx	650	650	575	575	250
FCA-3xx	850	850	740	740	290
FCA-7xx	1050	1050	940	940	290
(mm)					

Duct Roof Fan Coil

فن کویل کانالی سقفی توکار

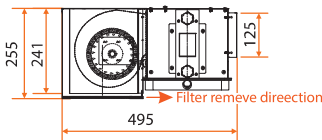
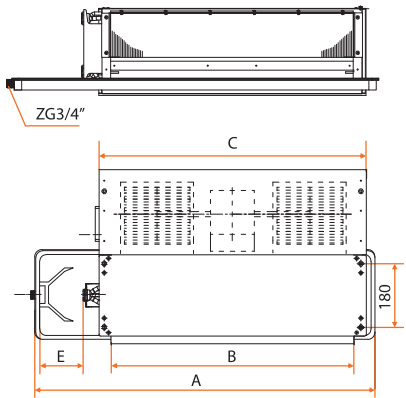
FKA Series

- Ari flow: 200 - 1400 CFM
- Output: 1,89 - 1
- ESP: 12/30/50 Pa



Code: FKA System Rows CFM				20 2 pipe 3 200	30 2 pipe 3 300	40 2 pipe 3 400	50 2 pipe 3 500	60 2 pipe 3 600	80 2 pipe 3 800	100 2 pipe 3 1000	120 2 pipe 3 1200	140 2 pipe 3 1400
Air flow rate		H	m³/h	340	510	680	850	1020	1360	1700	2040	2380
		M	m³/h	255	383	510	638	765	1020	1275	1530	1785
		L	m³/h	170	255	340	425	510	680	850	1020	1190
Cooling	Total Capacity	H	kw	1,89	2,80	3,71	4,63	5,52	7,05	8,84	10,58	12,32
		M	kw	1,66	2,43	3,25	4,03	4,79	6,18	7,74	9,16	10,72
		L	kw	1,32	1,93	2,57	3,18	3,78	4,90	6,14	7,28	8,47
	Sensible Capacity	H	kw	1,31	1,93	2,53	3,15	3,72	4,86	6,07	7,24	8,39
		M	kw	1,10	1,60	2,13	2,63	3,15	4,07	5,08	6,00	7,04
		L	kw	0,84	1,23	1,62	2,01	2,38	3,12	3,90	4,61	5,41
	Water flow rate		l/h	325	482	638	796	949	1212	1520	1819	2119
Water pressure drop		kPa	12	16	23	25	35	33	39	35	45	
Heat	Heating Capacity	H	kw	3,14	4,56	6,00	7,38	8,71	11,41	14,25	16,79	19,48
		M	kw	2,57	3,73	4,92	6,05	7,15	9,40	11,73	13,85	16,06
		L	kw	1,88	2,75	3,62	4,47	5,30	6,98	8,71	10,30	11,95
Power Supply			220~240V/1Phase/50Hz (or 60Hr)									
12Pa	12Pa	W	37	52	62	76	96	134	152	189	228	
30Pa	30Pa	W	44	59	72	87	108	156	174	212	253	
50Pa	50Pa	W	49	66	84	100	118	174	210	250	300	
12Pa	12Pa	dB (A)	37	39	41	43	45	46	48	50	52	
30Pa	30Pa	dB (A)	40	42	44	46	47	48	50	52	54	
50Pa	50Pa	dB (A)	42	44	46	47	49	50	52	54	56	
Type	Type		Centrifugal									
Quantity	Quantity	nr.	1	2	2	2	2	3	4	4	4	
Type	Type		3-Speed Motor									
Quantity	Quantity	nr.	1	1	1	1	1	2	2	2	2	
Coil	Nr. of coil rows	nr.	3									
	Max. working pressure	MPa	1,6									
	Tube diameter	inch	3/8"									
Water inlet/outlet pipe		inch	3/4" FPT									
Condensate discharge		inch	3/4" MPT									
Weight (no plenum)		kg	10	13	14,5	15,5	16,5	23,5	26	29,5	31	
Weight (with plenum)		kg	12	15,5	17	18,5	20	27,5	30	35	36,5	

1. Cooling: Inlet Air Temp.: DB=27°C/WB=19,5°C, Inlet/Outlet Water Temp. +7°C/+12°C
2. Heating: Inlet Air Temp.: +21°C, Inlet Water Temp. +60°C; Same Water Flow Rate as for the Cooling;



* Left or Right Pipe Connection is Available.
* Rear or Bottom Air Inlet is Available.

FKA -	20	30	40	50	60	80	100	120	140
A	640	790	890	1040	1140	1440	1540	1740	1940
B	435	585	685	820	920	1240	1340	1540	1740
C	505	655	755	890	990	1310	1410	1610	1810
E	50	50	50	65	65	45	45	45	45

The Drain Pan Lenght Can Customized Based on Change Per 50mm. (mm)

Duct Roof Fan Coil (High capacity)

فن کویل کانالی سقفی توکار ظرفیت بالا

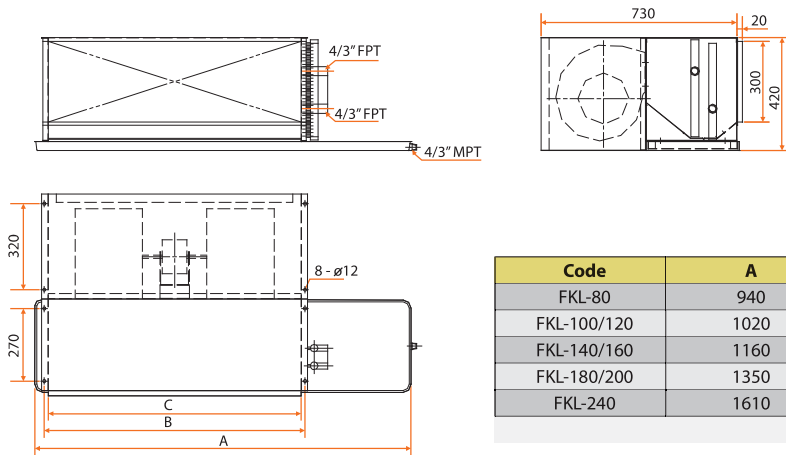
Large Air Volume High ESP Concealed Fan Coil Unit
FKL Series (4 Rows 2 Pipe)

- Ari flow: 800 - 2400 CFM
- Output: 7,8 - 22,5 kw
- ESP: 50/120 Pa



Code: FKL System Rows CFM				80 2 pipe 4 800	100 2 pipe 4 1000	120 2 pipe 4 1200	140 2 pipe 4 1400	160 2 pipe 4 1600	180 2 pipe 4 1800	200 2 pipe 4 2000	2400 2 pipe 4 2400	
Air flow rate			H	m³/h	1360	1700	2040	2380	2720	3060	3400	4080
			M	m³/h	1090	1360	1635	1900	2180	2450	2720	3260
			L	m³/h	815	1020	1225	1430	1630	1830	2040	2450
Cooling	Total Capacity		H	kw	7,8	10,2	11,2	13,8	15,5	17,8	18,5	22,5
			M	kw	6,3	8,2	9,0	11,0	12,4	14,3	14,8	18,0
			L	kw	4,7	6,1	6,7	8,3	9,3	10,6	11,1	13,5
	Sensible Capacity		H	kw	5,2	6,8	7,5	9,2	10,4	11,9	12,4	15,1
			M	kw	4,2	5,4	6,0	7,3	8,3	9,5	9,9	12,1
			L	kw	3,1	4,1	4,5	5,5	6,2	7,1	7,4	9,1
	Water flow rate			l/h	1341	1754	1926	2373	2666	3061	3181	3869
Water pressure drop			kPa	52	42	52	29	34	53	60	69	
Heat	Heating Capacity		H	kw	13,8	16,8	19,4	22,9	25,2	27,8	30,1	37,0
			M	kw	11,1	13,4	15,5	18,3	20,2	22,3	24,1	29,6
			L	kw	8,3	10,1	11,6	13,8	15,1	16,6	18,1	22,2
Power Supply				220~240V/1Phase/50Hz (or 60Hz)								
Power input	50Pa		W	280	380	480	615	680	775	900	1000	
	120Pa		W	380	480	500	680	775	900	1000	1100	
Sound Pressure	50Pa		dB (A)	48	48	49	58	59	61	62	63	
	120Pa		dB (A)	51	52	53	62	63	64	65	66	
Fan	Type		Double Inlet Forward-Curve Centrifugal Fan									
	Quantity		nr.	1	1	1	2	2	2	2	2	
Motor	Type		3-Speeds Single-Phase Asynchronous Motor									
	Quantity		nr.	1								
Coil	Nr. of coil rows		nr.	4								
	Max. working pressure		MPa	1,6								
	Tube diameter		inch	3/8"								
Connection	Water inlet/outlet pipe		inch	3/4" FPT								
	Condensate discharge		inch	3/4" MPT								
Weight			kg	55	58	58	63	63	69	69	98	

1. Cooling: Inlet Air Temp.: DB=27°C/WB=19,5°C, Inlet/Outlet Water Temp. +7°C/+12°C
2. Heating: Inlet Air Temp.: +21°C, Inlet Water Temp. +60°C; Same Water Flow Rate as for the Cooling;



Code	A	B	C
FKL-80	940	750	720
FKL-100/120	1020	830	800
FKL-140/160	1160	970	940
FKL-180/200	1350	1160	1130
FKL-240	1610	1420	1390

(mm)