



Fan Coil Units

AC FCU / DC FCU

BEXIE GROUP S.L.

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BEXIE GROUP designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells enable us to produce different types of solar panels with highest efficiency

2026

Duct series

Features



Model: 200/300/400/500/600/700/800/
1000/1200/1400/1600/1800/2000 CFM



RM05+FCU KIT
Optional



KJRP-86I/MFK-E (Optional)
KJRP-86I/MFKS-E (Optional)
KJRP-86A/BMFKND-E (Optional)

Features

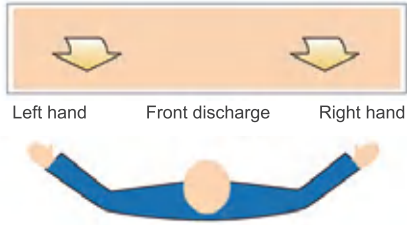
- Wide variety of models including standard, A4 and large temperature difference type.
- Washable filter: Iron frame filter is standard, with optional aluminum frame (requires customization).
- Compatible with both rear air returns (standard) and bottom returns (optional).
- Optional AEH.
- Can be configured without air return box (optional).

Slim, compact design with ducted air distribution. Ideal for limited spaces.



Flexible Installation

Piping can be connected from either the left or right side of the unit, offering greater installation flexibility.

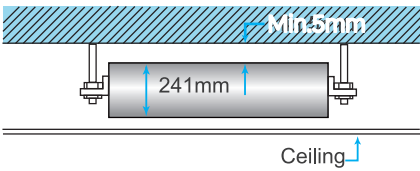


Left or right hand connections can be changed on site, including piping and wiring.



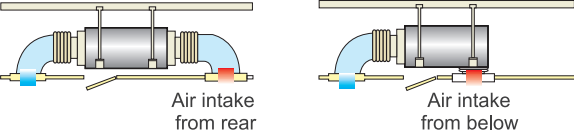
Compact Size

A low, 241mm profile allows for installation in tight spaces.



Flexible Air Inlet Port Installation

The air inlet can be located on either the underside or rear of the unit to accommodate differing installation scenarios.

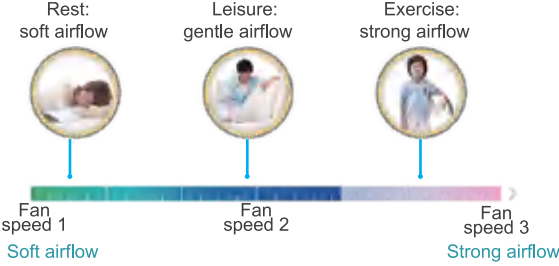


An optional extended water pan protects the ceiling from excess moisture.



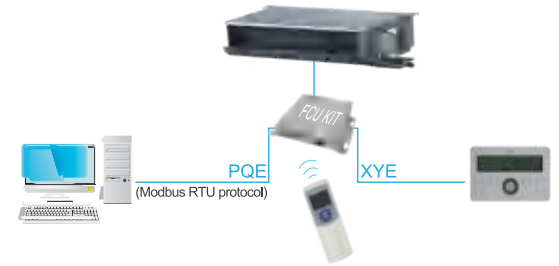
Multiple Fan Speeds

3 fan speed options provide customized comfort to suit a range of indoor conditions.



Control solutions

The duct series can be controlled using the wired controller or with a centralized controller or BMS when customized with the FCU KIT.



Washable filter

An iron-framed filter is standard. Optional aluminum frame is also available (requires customization). Air outlet flange and multi-direction pull-out filter is available with customization.



New MKT-C duct



Deeper water tray

The high-capacity water tray prevents excess condensation from overflowing in inclined installations, high-humidity areas, and other extreme conditions, greatly enhancing reliability.



Specifications

3-Row Duct

Model name		BFCT3-V200G12-CL		BFCT3-V300G12-CL	BFCT3-V400G12-CL	BFCT3-V500G12-CL	BFCT3-V600G12-CL
Power supply		V/Ph/Hz		220-240/1/50			
Air flow (H/M/L)	m³/h	340/257/172	510/384/256	680/516/344	850/643/429	1020/784/523	
	CFM	200/151/101	300/226/151	400/303/202	500/379/252	600/461/308	
Standard external static pressure		Pa	12	12	12	12	12
Cooling	Capacity (H/M/L)	kW	2.35/2.00/1.50	3.40/2.90/2.21	4.41/3.77/2.90	5.00/4.27/3.36	6.00/5.16/4.06
	Water flow rate (H/M/L)	m³/h	0.40/0.34/0.26	0.58/0.50/0.38	0.76/0.65/0.50	0.86/0.73/0.58	1.03/0.89/0.70
	Water pressure (H/M/L)	kPa	24/20/15	24/19/14	24/21/16	30/23/18	38/28/25
Heating	Capacity (H/M/L)	kW	3.90/3.09/2.15	5.67/4.52/3.18	7.35/5.89/4.19	8.60/6.93/5.03	9.98/8.14/5.96
	Water flow rate (H/M/L)	m³/h	0.66/0.53/0.37	0.96/0.77/0.54	1.25/1.00/0.71	1.46/1.18/0.86	1.70/1.38/1.01
	Water pressure (H/M/L)	kPa	20/16/12	20/16/12	20/17/13	24/19/15	31/23/20
Power input(H/M/L)		W	36/25/23	50/28/23	60/47/39	74/69/53	93/68/56
Auxiliary electric heater(AEH)		W	500	600	1000	1000	1500
Sound pressure level(H/M/L)		dB(A)	35/26.5/23.5	39/27.5/26	41/30.5/24	43/34/28.5	45/36.6/31
Current input(H/M/L)		A	0.16/0.11/0.10	0.23/0.13/0.10	0.27/0.21/0.18	0.34/0.31/0.24	0.42/0.31/0.25
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1		1	1	1	1
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1		2	2	2	2
Coil	Row	3		3	3	3	3
	MAX. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	7	7	7	7	7
Dimensions (W×H×D)	CB	mm	632×243×482	773×243×482	908×243×482	908×243×482	1003×243×482
Packing size (W×H×D)	CB	mm	698×270×520	843×270×520	978×270×520	978×270×520	1073×270×520
Net weight	CB	kg	12.3	14.7	17.6	17.6	18.8
Gross weight	CB	kg	14.4	16.9	20.2	20.2	21.5
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	R3/4	R3/4	R3/4	R3/4	R3/4

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed;
2. Cooling conditions (H speed): water inlet 7°C, water outlet 12°C, entering air temperature 27°C DB/19.5°C WB, rated external static pressure;
3. Heating conditions (H speed): water inlet 60°C, entering air temperature 21°C DB/15°C, rated external static pressure. Water flow: same with cooling condition;
4. The above sound level is tested in the semi-anechoic room in accordance with GB/T19232 standard when the unit is without accessories and running in dry condition. The background noise is 17.5dB (A);
5. Air flow is tested when the unit is under rated external static pressure without return air box and filter screen in dry condition and 20°C DB;
6. "CC" means that the parameter is tested without air return box; "CB" means that the parameter is tested with air return box;
7. 30Pa is standard, 12Pa and 50Pa need to be customized;
8. Left and right unit can be changed in the field, but cooling and heating capacity should be multiplied with correction factot 0.9;
9. The performance data on above sheet was tested under 220V~50Hz;

Specifications

3-Row Duct

Model name		BFCT3-V700G12-CL		BFCT3-V800G12-CL	BFCT3-V1000G12-CL	BFCT3-V1200G12-CL	BFCT3-V1400G12-CL
Power supply		V/Ph/Hz		220-240/1/50			
Air flow (H/M/L)	m³/h	1150/866/578	1360/1031/687	1650/1247/831	2040/1544/1029	2380/1785/1190	
	CFM	677/510/340	800/607/404	971/734/489	1200/909/606	1400/1051/700	
Standard external static pressure		Pa	12	12	12	12	12
Cooling	Capacity (H/M/L)	kW	7.05/6.00/4.68	8.03/6.87/5.40	9.00/7.84/6.17	11.20/9.75/7.67	13.00/11.30/8.90
	Water flow rate (H/M/L)	m³/h	1.21/1.03/0.80	1.38/1.18/0.93	1.55/1.35/1.06	1.93/1.68/1.32	2.24/1.94/1.53
	Water pressure (H/M/L)	kPa	28/22/18	40/31/25	38/30/22	40/32/24	50/39/31
Heating	Capacity (H/M/L)	kW	11.71/9.39/6.81	13.61/10.98/8.02	15.61/12.82/9.36	19.21/15.78/11.53	22.17/18.23/13.37
	Water flow rate (H/M/L)	m³/h	1.99/1.60/1.16	2.31/1.87/1.36	2.65/2.18/1.59	3.27/2.68/1.96	4.62/3.10/2.27
	Water pressure (H/M/L)	kPa	23/18/15	32/25/20	31/24/18	32/26/20	40/32/25
Power input(H/M/L)		W	112/97/80	130/114/95	147/118/94	183/133/112	221/177/140
Auxiliary electric heater(AEH)		W	1500	2000	2000	2500	2500
Sound pressure level(H/M/L)		dB(A)	46/38/30	46/39.1/30	48/40.7/33	50/42.6/33	52/47.1/34
Current input(H/M/L)		A	0.51/0.44/0.36	0.59/30.52/0.43	0.67/0.54/0.43	0.83/0.60/0.51	1.00/0.80/0.64
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1		1	1	2	2
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	2		3	3	4	4
Coil	Row	3		3	3	3	3
	MAX. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	7	7	7	7	7
Dimensions (W×H×D)	CB	mm	1178×243×482	1368×243×482	1368×243×482	1658×243×482	1898×243×482
Packing size (W×H×D)	CB	mm	1248×270×520	1438×270×520	1438×270×520	1728×270×520	1968×270×520
Net weight	CB	kg	21.4	25.5	26	33.8	35.3
Gross weight	CB	kg	24.5	29.1	29.7	39.5	39.8
Water inlet/outlet pipe		inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch	R3/4	R3/4	R3/4	R3/4	R3/4

Notes:
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3. Heating conditions (H speed): water inlet 60°C, entering air temperature 21°C DB/15°C, rated external static pressure. Water flow: same with cooling condition;
4. The above sound level is tested in the semi-anechoic room in accordance with GB/T19232 standard when the unit is without accessories and running in dry condition. The background noise is 17.5dB (A);
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