

TECHNICAL DATASHEET

Fan Coil Units

AC FCU / DC FCU // RESIDENTIAL USE // COMMERCIAL USE

Slim and compact ducted fan coil units designed for efficient heating and cooling, delivering quiet operation, flexible installation and optimal indoor comfort.

- ✓ **High-Efficiency Heating & Cooling:** designed to deliver powerful cooling and heating performance while maintaining efficient energy consumption.
- ✓ **Flexible & Compact Installation:** slim ducted design with flexible air inlet and piping configurations, ideal for installations where space is limited.
- ✓ **Quiet & Comfortable Operation:** multiple fan speeds allow airflow to be adapted to different comfort needs while maintaining low-noise operation.
- ✓ **Smart & Easy Control:** compatible with wired controllers and centralized control solutions, offering simple and flexible system management.



FEATURES



HIGH EFFICIENCY



SMART CONTROL



HEATING & COOLING



ENERGY SAVING



LOW NOISE



+34 985 194 232

www.bexieenergy.comCalle Peña Santa 68, Polígono
Industrial Silvota, 33192, Llanera, Asturias

MODEL	BFCT3- V200G12-CL	BFCT3- V300G12-CL	BFCT3- V400G12-CL	BFCT3- V500G12-CL	BFCT3- V600G12-CL
GENERAL					
Power supply (V/Ph/Hz)	220-240/1/50				
Air flow (H/M/L) (m ³ /h)	340/257/172	510/384/256	680/516/344	850/643/429	1020/784/523
Air flow (H/M/L) (CFM)	200/151/101	300/226/151	400/303/202	500/379/252	600/461 /308
Standard external static pressure (Pa)	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) (m ³ /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) (m ³ /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
GENERAL					
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 Type Low				
Quantity	1	1	1	1	1
FAN					
Type	Centrifugal, forward-curved Blades				
Quantity	1	2	2	2	2
COIL					
Row	3				
MAX. working pressure (MPa)	1.6				
Diameter (mm)	7				
DIMENSIONS (WXHxD)					
CB (mm)	632x243x482	773X243X482	908x243x482	908x243x482	1003x243x482
PACKING SIZE (WXHxD)					
CB (mm)	698x270x520	843x270x520	978x270x520	978x270x520	1073x270x520
NET WEIGHT					
CB (kg)	12.3	14.7	17.6	17.6	18.8

Fan Coil Units

AC FCU / DC FCU



MODEL	BFCT3- V200G12-CL	BFCT3- V300G12-CL	BFCT3- V400G12-CL	BFCT3- V500G12-CL	BFCT3- V600G12-CL
GROSS WEIGHT					
CB (kg)	14.4	16.9	20.2	20.2	21.5
GENERAL					
Water inlet/outlet pipe (inch)			RC3/4		
Drain pipe (inch)			R3/4		

MODEL	BFCT3- V700G12-CL	BFCT3- V800G12-CL	BFCT3- V1000G12-CL	BFCT3- V1200G12-CL	BFCT3- V1400G12-CL
GENERAL					
Power supply (V/Ph/Hz)	220-240/1/50				
Air flow (H/M/L) (m ³ /h)	1150/866/578	1360/1031/687	1650/1247/831	2040/1544/1029	2380/1785/1190
Air flow (H/M/L) (CFM)	677 /51 0/340	800/607 /404	971/734/489	1200/909/606	1400/1051/700
Standard external static pressure (Pa)	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) (m ³ /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) (m ³ /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
GENERAL					
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	0.59/0.52/0.43	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 Type Low				
Quantity	1	1	1	2	2
FAN					
Type	Centrifugal, forward-curved Blades				
Quantity	2	3	3	4	4
COIL					
Row	3				
MAX. working pressure (MPa)	1.6				
Diameter (mm)	7				
DIMENSIONS (WXHxD)					
CB (mm)	1178x243x482	1368x243x482	1368x243x482	1658x243x482	1898x243x482
PACKING SIZE (WXHxD)					
CB (mm)	1248x270x520	1438x270x520	1438x270x520	1728x270x520	1968x270x520
NET WEIGHT					
CB (kg)	21.4	25.5	26	33.8	35.3

MODEL	BFCT3- V700G12-CL	BFCT3- V800G12-CL	BFCT3- V1000G12-CL	BFCT3- V1200G12-CL	BFCT3- V1400G12-CL
GROSS WEIGHT					
CB (kg)	24.5	29.1	29.7	39.5	39.8
GENERAL					
Water inlet/outlet pipe (inch)	RC3/4				
Drain pipe (inch)	R3/4				

NOTES

H: High fan speed; M: Medium fan speed; L: Low fan speed. Cooling conditions (H speed): water inlet temperature 7°C; water outlet temperature 12°C; entering air temperature 27°C DB / 19.5°C WB; rated external static pressure. Heating conditions (H speed): water inlet temperature 60°C; entering air temperature 21°C DB / 15°C WB; rated external static pressure. Water flow is the same as under cooling conditions. The above sound level is tested in a semi-anechoic room in accordance with the GB/T 19232 standard, with the unit operating without accessories under dry conditions. The background noise level is 17.5 dB(A). Airflow is tested under rated external static pressure, without a return air box or filter screen, under dry conditions at an entering air temperature of 20°C DB. "CC" means that the parameter is tested without an air return box; "CB" means that the parameter is tested with an air return box. 30 Pa is standard; 12 Pa and 50 Pa require customization. Left- and right-hand configurations can be changed on site; however, the cooling and heating capacities must be multiplied by a correction factor of 0.9. The performance data in the above table was tested at 220 V ~ 50 Hz.