

BC Controllers with Port Isolation Valves

CITY MULTI

At the heart of both the R2 and WR2 Series, the BC controller makes simultaneous heating and cooling possible.

Improved system efficiency is achieved when energy is transferred intelligently around the building.



Key Features & Benefits:

- Allows unique 2-pipe heat recovery application
- Heating and cooling at the same time on smaller systems
- Instructs the heat source unit/outdoor unit on the amount of refrigerant (liquid or gas) that is required to achieve the requested cooling or heating requirements
- Slim profile for more flexible installation
- Easy servicing and maintenance access through underside drain pan
- Brazed connections
- Isolation valves factory-fitted on each port





BC CONTROLLERS with Port Isolation Valves		KS8-CMB-M104V-J1	KS8-CMB-M106V-J1
NUMBER OF CONNECTIONS		4	6
WEIGHT (kg)		29.7	34.1
DIMENSIONS (mm)	Width	596	596
	Depth	476	476
	Height	256	256
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)		0.076	0.11
RUNNING CURRENT (A)		0.34	0.48
FUSE RATING (BS88) - HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-M104V-J1	CMB-M106V-J1

Note: For use with PURY-EM200-300YNW-A1, PURY-M200-300YNW-A1, PURY-P200-350YNW-A2, PURY-EP200-350YNW-A2 & PQRY-P200-300YLM-A1 units only. These products are made to order, please consult your local sales office for delivery schedule.

MAIN BC CONTROLLERS with Port Isolation Valves		KS8-CMB-M108V-JA1	KS8-CMB-M1012V-JA1	KS8-CMB-M1016V-JA1	KS8-CMB-P1016V-KA1
NUMBER OF CONNECTIONS		8	12	16	16
WEIGHT (kg)		54.9	70.1	81	82
DIMENSIONS (mm)	Width	911	1135	1135	1135
	Depth	622	622	622	622
	Height	256	256	256	256
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single	Single	Single
POWER INPUT (kW)		0.144	0.211	0.279	0.279
RUNNING CURRENT (A)		0.63	0.92	1.22	1.22
FUSE RATING (BS88) - HRC (A)		6	6	6	6
MAINS CABLE NO. CORES		3	3	3	3
BC BOX		CMB-M108V-JA1	CMB-M1012V-JA1	CMB-M1016V-JA1	CMB-P1016V-KA1

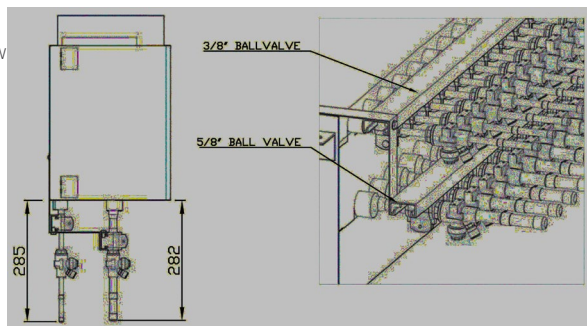
Note: V-JA1 units are for use with PURY-EM200-300YNW-A1, PURY-M200-300YNW-A1, PURY-P200-900Y(S)NW-A2, PURY-EP200-900Y(S)NW-A2 & PQRY-P200-900Y(S)LM-A1 units only. V-KA1 unit is for use with PURY-P950-1100YNW-A2 & PURY-EP950-1100YNW-A2 units only. These products are made to order, please consult your local sales office for delivery schedule.

SUB BC CONTROLLERS with Port Isolation Valves		KS8-CMB-M104V-KB1	KS8-CMB-M108V-KB1
NUMBER OF CONNECTIONS		4	8
WEIGHT (kg)		26.7	37.6
DIMENSIONS (mm)	Width	596	596
	Depth	476	476
	Height	256	256
ELECTRICAL SUPPLY		220-240v, 50Hz	220-240v, 50Hz
PHASE		Single	Single
POWER INPUT (kW)		0.068	0.135
RUNNING CURRENT (A)		0.30	0.59
FUSE RATING (BS88) - HRC (A)		6	6
MAINS CABLE NO. CORES		3	3
BC BOX		CMB-M104V-KB1	CMB-M108V-KB1

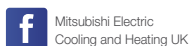
Note: Maximum index of 350 allowable on each Sub BC controller. Up to 11 Sub BC controllers connectable to one system. These products are made to order, please consult your local sales office for delivery schedule.

KS8-CMB-M-J1/JA1/KA1/KB1 DIMENSIONS

SIDE VIEW



Telephone: 01707 282880
email: air.conditioning@meuk.mee.com
les.mitsubishielectric.co.uk



UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

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Note: Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'. The fuse rating is for guidance only and please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:468), R1234ze (GWP:7) or R1234yf (GWP:4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

Effective as of April 2023

