

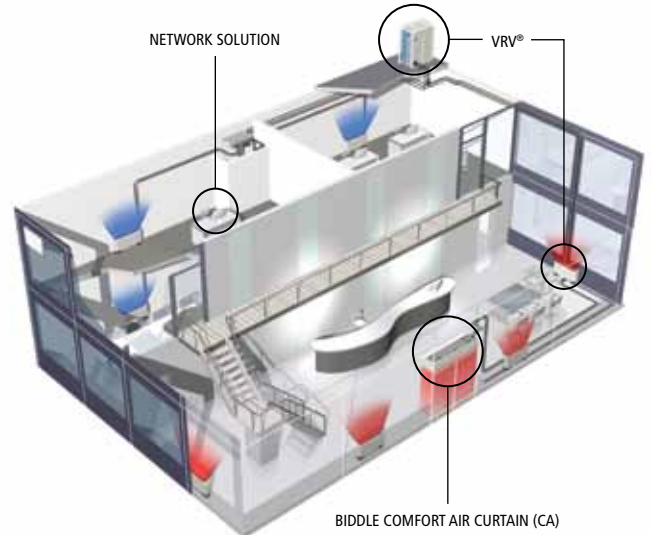


CAVM150DK80FSC

CAVS/M/L/XL- DK-F/C/R

Biddle Comfort Air Curtain

- Connectable to VRV® heat recovery and heat pump
- VRV® is among the first DX systems suitable for connection to air curtains
- A payback period of less than 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode¹
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- All year round comfort ensured by the constant discharge velocity and adjustable jet airflow width (European patent)
- Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



			Small				Medium			
Indoor Units			CAVS100DK80*BC*SC	CAVS150DK80*BC*SC	CAVS200DK100*BC*SC	CAVS250DK140*BC*SC	CAVM100DK80*BC*SC	CAVM150DK80*BC*SC	CAVM200DK100*BC*SC	CAVM250DK140*BC*SC
Heating capacity ²		kW	6.0	7.5	9.7	13.3	7.7	9.4	12.1	16.8
Delta T ²	Inlet = room temperature	K	20	17	16	18	18	15	14	16
Power input (50Hz)	Fan only/Heating	kW	0.20	0.30	0.40	0.50	0.28	0.42	0.56	0.70
Maximum door width		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Maximum door height	Favorable/Normal/Unfavorable conditions	m	2.4 / 2.2 / -				2.8 / 2.5 / 2.2			
Dimensions	Height	Unit F/C/R	270							
	Width	Unit F/C/R	1,123/1,000/1,048	1,623/1,500/1,548	2,123/2,000 / 2,048	2,623/2,500/2,548	1,123/1,000/1,048	1,623/1,500/1,548	2,123/2,000/2,048	2,623/2,500/2,548
	Depth	Unit F/C/R	590 / 821 / 561							
Weight	Unit F/C/R	kg	61 / 59 / 61	73 / 83 / 88	89 / 102 / 108	101 / 129 / 137	66 / 68 / 66	79 / 88 / 93	97 / 111 / 117	119 / 136 / 144
Casing	Colour		BC:RAL9010 / SC:RAL 9006							
Fan - Air flow rate - Heating ²		m ³ /h	880	1,310	1,750	2,190	1,230	1,840	2,450	3,060
Refrigerant	Type		R-410A							
Sound Pressure - Heating ²		dBA	42	44	45	46	45	47	48	49
Piping connections	Liquid (OD)/Gas	mm	9.52 / 16.0							
Power Supply			1~/230V/50Hz							

			Large				XLarge			
Indoor Units			CAVL100DK125*BC*SC	CAVL150DK200*BC*SC	CAVL200DK250*BC*SC	CAVL250DK250*BC*SC	CAVXL100DK125*BC*SC	CAVXL150DK200*BC*SC	CAVXL200DK250*BC*SC	CAVXL250DK250*BC*SC
Heating capacity ²		kW	12.5	18.8	24.0	25.8	14.7	22.0	27.8	29.6
Delta T ²	Inlet = room temperature	K	17							
Power input (50Hz)	Fan only/Heating	kW	0.75	1.13	1.50	1.88	1.40	2.10	2.80	3.50
Maximum door width		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Maximum door height	Favorable/Normal/Unfavorable conditions	m	3.3 / 3.0 / 2.5				3.8 / 3.5 / 3.5			
Dimensions	Height	Unit F/C/R	370							
	Width	Unit F/C/R	1,123/1,000/1,048	1,623/1,500/1,548	2,123/2,000 / 2,048	2,623/2,500/2,548	1,123/1,000/1,048	1,623/1,500/1,548	2,123/2,000/2,048	2,623/2,500/2,548
	Depth	Unit F/C/R	774 / 1,105 / 745							
Weight	Unit F/C/R	kg	83 / 81 / 83	108 / 118 / 141	137 / 151 / 155	166 / 190 / 196	69 / 84 / 86	102 / 123 / 146	130 / 160 / 164	162 / 198 / 204
Casing	Colour		BC:RAL9010 / SC:RAL 9006							
Fan - Air flow rate - Heating ²		m ³ /h	1,730	2,600	3,470	4,340	2,800	4,190	5,590	6,990
Refrigerant	Type		R-410A							
Sound Pressure - Heating ²		dBA	51	53	54	55	56	58	59	60
Piping connections	Liquid (OD)/Gas	mm	9.52 / 16.0	9.52 / 19.0	9.52 / 22.0	9.52 / 22.0	9.52 / 16.0	9.52 / 19.0	9.52 / 22	
Power Supply			1~/230V/50Hz							

¹ in case of connection to a VRV® heat recovery outdoor unit

² values measured at speed 4, installation level B

F: Freehanging model, C: Cassette model, R: Recessed model