



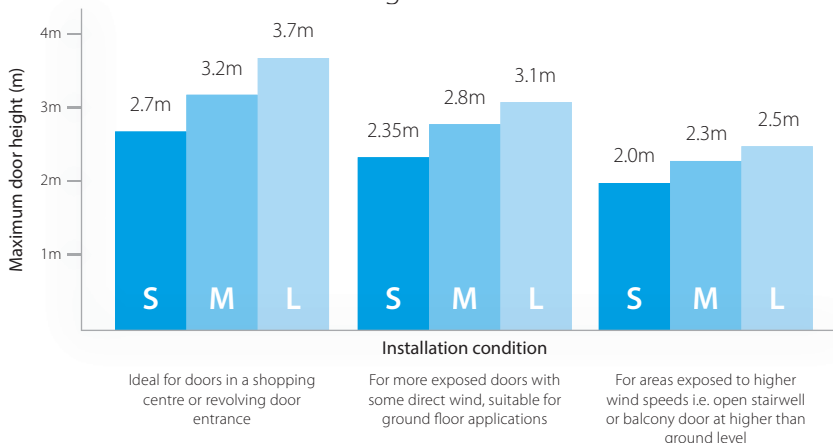
## CYVS/M/L - DK - F/C/R

Air curtains are the ideal solution to combat the issue of climate separation across retail outlets or office doorways.

In conjunction with Biddle, Daikin VRV IV heat recovery air curtain solution combines the benefits of the Biddle air curtain technology with the benefits of Daikin VRV IV heat recovery. Using a combination of rectifier technology, air velocity and temperature control they deliver greater comfort to staff and customers alike, all year round, in all weathers.

Easy and fast installation of these systems not only reduces costs but makes expensive water systems, boilers and gas connections redundant. Integrating a Biddle air curtain with Daikin VRV also eliminates the need to install multiple outdoor units thereby reducing installation time and costs further. This combination enables Daikin to offer its customers the ultimate environmentally conscious TOTAL SOLUTION PACKAGE comprising cooling, heating, outdoor-indoor climate separation and fresh air ventilation.

### Biddle Comfort air curtain range



### Features and benefits:

- > Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode
- > Connection to the high COP heat recovery system enables COP's of up to 4.36
- > Short payback times – less than 3 years
- > Air curtain rectifier technology – deeply penetrating airstream
- > Constant air velocity technology – all year round efficiency
- > European patent
- > 1.0, 1.5, 2.0 and 2.5 metre door widths
- > Door heights of up to 3.7 metres
- > Choice of colour RAL9010:White or RAL9006:Grey

### Selection

- 1) Use the Door Height graph to determine the Air Curtain size relevant to your application
- 2) When you know the size (S/M/L), refer to specific tables to select the model for your required door width

# CYVS/M/L - DK - F/C/R



F = Free hanging model



C = Cassette model



R = Recessed model

## S Small air curtains:

Maximum Door Width				1.0			1.5			2.0			2.5		
Mounting Height *2				2.7 / 2.0											
Model name				CYVS100DK80*BC			CYVS150DK80*BC			CYVS200DK100*BC			CYVS250DK140*BC		
Type				* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating capacity	speed 3	kW		7.40			9.00			11.60			16.20		
Delta T	Inlet = room temperature	speed 3	kW	15			15			15			16		
Power input (50Hz)	Fan only / Heating	kW		0.23/0.23			0.35/0.35			0.46/0.46			0.58/0.58		
Dimensions	Height	mm		270	270	270	270	270	270	270	270	270	270	270	
	Width	mm		1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth	mm		590	891	561	590	821	561	590	821	561	590	821	561
Weight		kg		56	59	61	66	83	88	83	102	108	107	129	137
Casing	Colour			white RAL9010			white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void		mm		420			420			420			420		
Fan - Air flow rate	Heating	speed 3	m <sup>3</sup> /sec	0.323			0.485			0.647			0.808		
Sound pressure	Heating	speed 3	dB(A)	47			49			50			51		
Refrigerant	Type			R-410A			R-410A			R-410A			R-410A		
Piping connections	Liquid (OD) / Gas	mm		9.52/16.0			9.52/16.0			9.52/16.0			9.52/19.0		
Power supply		ph/V/Hz		1~/230/50			1~/230/50			1~/230/50			1~/230/50		

## M Medium air curtains:

Maximum Door Width				1.0			1.5			2.0			2.5		
Mounting Height *2				3.2 / 2.3											
Model name				CYVM100DK80*BC			CYVM150DK80*BC			CYVM200DK100*BC			CYVM250DK140*BC		
Type				* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating capacity	speed 3	kW		9.20			11.00			13.40			19.90		
Delta T	Inlet = room temperature	speed 3	kW	17			14			13			15		
Power input (50Hz)	Fan only / Heating	kW		0.37/0.37			0.56/0.56			0.75/0.75			0.94/0.94		
Dimensions	Height	mm		270	270	270	270	270	270	270	270	270	270	270	
	Width	mm		1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth	mm		590	891	561	590	821	561	590	821	561	590	821	561
Weight		kg		57	68	66	73	88	93	94	111	117	108	136	144
Casing	Colour			white RAL9010			white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void		mm		420			420			420			420		
Fan - Air flow rate	Heating	speed 3	m <sup>3</sup> /sec	0.446			0.669			0.892			1.115		
Sound pressure	Heating	speed 3	dB(A)	50			51			53			54		
Refrigerant	Type			R-410A			R-410A			R-410A			R-410A		
Piping connections	Liquid (OD) / Gas	mm		9.52/16.0			9.52/16.0			9.52/16.0			9.52/19.0		
Power supply		ph/V/Hz		1~/230/50			1~/230/50			1~/230/50			1~/230/50		

## L Large air curtains:

Maximum Door Width				1.0			1.5			2.0			2.5		
Mounting Height *2				3.7 / 2.5											
Model name				CYVM100DK80*BC			CYVM150DK80*BC			CYVM200DK100*BC			CYVM250DK140*BC		
Type				* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R	* = F	* = C	* = R
Heating capacity	speed 3	kW		9.20			11.00			13.40			19.90		
Delta T	Inlet = room temperature	speed 3	kW	17			14			13			15		
Power input (50Hz)	Fan only / Heating	kW		0.37/0.37			0.56/0.56			0.75/0.75			0.94/0.94		
Dimensions	Height	mm		270	270	270	270	270	270	270	270	270	270	270	
	Width	mm		1,000	1,000	1,048	1,500	1,500	1,548	2,000	2,000	2,048	2,500	2,500	2,548
	Depth	mm		590	891	561	590	821	561	590	821	561	590	821	561
Weight		kg		57	68	66	73	88	93	94	111	117	108	136	144
Casing	Colour			white RAL9010			white RAL9010			white RAL9010			white RAL9010		
Minimum requiring ceiling void		mm		420			420			420			420		
Fan - Air flow rate	Heating	speed 3	m <sup>3</sup> /sec	0.446			0.669			0.892			1.115		
Sound pressure	Heating	speed 3	dB(A)	50			51			53			54		
Refrigerant	Type			R-410A			R-410A			R-410A			R-410A		
Piping connections	Liquid (OD) / Gas	mm		9.52/16.0			9.52/16.0			9.52/16.0			9.52/19.0		
Power supply		ph/V/Hz		1~/230/50			1~/230/50			1~/230/50			1~/230/50		

Some air curtains may be ECA compliant please see ECA website for details [www.daikin.co.uk/ECA](http://www.daikin.co.uk/ECA)

See databook for option details.

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