

commercial air curtains

the DAB range

Designed to suit larger commercial entrances or installations requiring a more powerful air curtain, the DAB range has all the features of the smaller CAB range with uprated performance for mounting up to 4m from the floor.

With high power motors and electronic control, these air curtains are built to provide maximum coverage at the door whilst minimising energy used through adjustable controls.

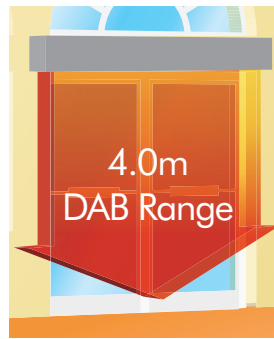
Both surface and recess mounted models are available in a choice of ambient, water or electric heated models for a complete line-up that can be controlled individually or from one point as a system of air curtains together.

All models feature a standard interface for BMS connection and the facility to operate from door sensors too.

Range features

- Surface and recess models.
- Electric, water heated or ambient models available.
- Suitable for 1m, 1.5m and 2m door widths.
- Modular design allows easy installation of multiple air curtains together.
- Choice of full heat, half heat, or fan only settings for summer air circulation*.
- Independent control over fan and heat output*.
- Easy fit mounting bracket for wall fitted installations.
- Can be ceiling suspended using metal drop rods (not included).
- Precise control over airflow direction using adjustable outlet grilles.
- Full (BMS) Building Management System Compatibility.
- Electronic fan run-on control.
- Reversible water coils for left or right hand connection.
- Intelligent operation with manual override when used in conjunction with door switches.
- Can be suspended or wall hung via the included 'easy-fit' brackets.

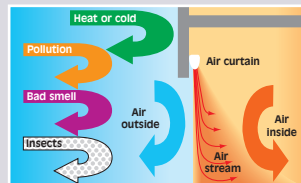
* dependent on model.



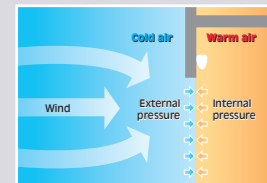
SURFACE AND RECESSED FOR 1, 1.5 AND 2m DOORS



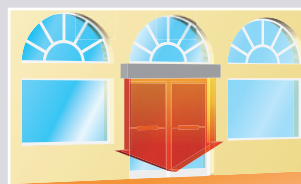
Model DAB15WR



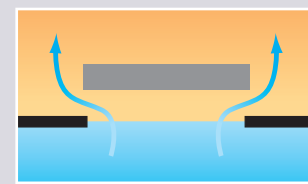
Air Curtains work by separating two different temperature zones with an invisible curtain of air. They provide a fast moving air stream to block air movement through the door whilst allowing the door to remain open.



Where extractor units are used within the building, ventilation should also be provided to equalise pressure differences for maximum air curtain effectiveness.



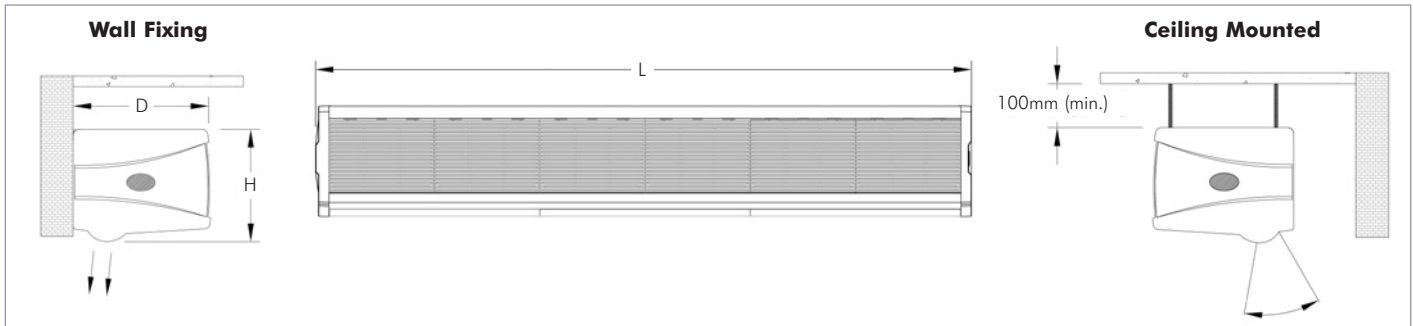
Placing an air curtain above the entrance covering the full door width maximises performance.



Positioning the air curtain too far from the entrance compromises performance with air leaking around the airstream.

technical specifications

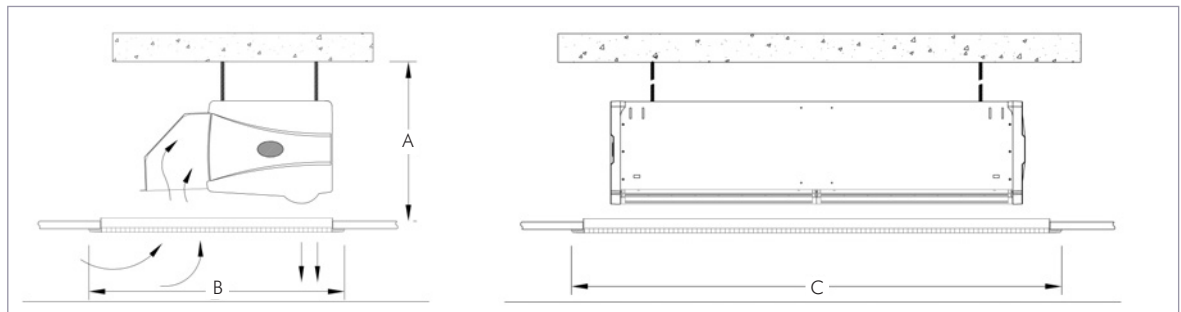
Surface Mounted



Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Dimensions L x H x D	Weight
Electrically Heated											
DAB10E	4.0m	1.0M	3000m ³ /h	13.5m/s	6.0/12.0kW	380-415V-3PN	18.9A	58/52dB	5 core [†]	1057mm x 360mm x 390mm	26.5kg
DAB15E	4.0m	1.5M	4000m ³ /h	13.5m/s	9.0/18.0kW	380-415V- 3PN	27.5A	59/53dB	5 core [†]	1557mm x 360mm x 390mm	35.0kg
DAB20E**	4.0m	2.0M	6000m ³ /h	13.5m/s	12.0/24.0kW	380-415V- 3PN	37.8A	60/54dB	5 core [†]	2114mm x 360mm x 390mm	53.0kg
Water Heated (at 82/71°C – LPHW)											
DAB10W	4.0m	1.0M	2500m ³ /h	13.0m/s	12kW	220-240V-1PN	1.5A	57/51dB	3 core [†]	1057mm x 360mm x 390mm	25.0kg
DAB15W	4.0m	1.5M	3500m ³ /h	13.0m/s	18kW	220-240V-1PN	2.3A	58/53dB	3 core [†]	1557mm x 360mm x 390mm	32.0kg
DAB20W**	4.0m	2.0M	5000m ³ /h	13.0m/s	24kW	220-240V-1PN	3.0A	59/55dB	3 core [†]	2114mm x 360mm x 390mm	50.0kg
Ambient/Cold Store											
DAB10A	4.0m	1.0M	3000m ³ /h	13.5m/s	n/a	220-240V-1PN	1.5A	58/52dB	3 core [†]	1057mm x 360mm x 390mm	21.5kg
DAB15A	4.0m	1.5M	4000m ³ /h	13.5m/s	n/a	220-240V-1PN	2.3A	59/53dB	3 core [†]	1557mm x 360mm x 390mm	27.5kg
DAB20A**	4.0m	2.0M	6000m ³ /h	13.5m/s	n/a	220-240V-1PN	3.0A	60/54dB	3 core [†]	2114mm x 360mm x 390mm	43.0kg

* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth

Recess Mounted



Model No	Max Mounting Height	Max Airstream Width	Air Volume	Max Air Flow	Heat Output	Voltage	Amperage (A) per phase	Noise dB(A)* (High/Low) Airflow	Supply Cabling (Not Supplied)	Installation Dimensions A x B x C	Weight
Electrically Heated											
DAB10ER	4.0m	1.0M	3000m ³ /h	13.5m/s	6.0/12.0kW	380-415V-3PN	18.9A	58/52dB	5 core [†]	470mm x 655mm x 1255mm	31.5kg
DAB15ER	4.0m	1.5M	4000m ³ /h	13.5m/s	9.0/18.0kW	380-415V- 3PN	27.5A	59/53dB	5 core [†]	470mm x 655mm x 1855mm	43.0kg
DAB20ER**	4.0m	2.0M	6000m ³ /h	13.5m/s	12.0/24.0kW	380-415V- 3PN	37.8A	60/54dB	5 core [†]	470mm x 655mm x 2510mm	63.0kg
Water Heated (at 82/71°C – LPHW)											
DAB10WR	4.0m	1.0M	2500m ³ /h	13.0m/s	12kW	220-240V-1PN	1.5A	57/51dB	3 core [†]	470mm x 655mm x 1255mm	30.0kg
DAB15WR	4.0m	1.5M	3500m ³ /h	13.0m/s	18kW	220-240V-1PN	2.3A	58/53dB	3 core [†]	470mm x 655mm x 1855mm	40.0kg
DAB20WR**	4.0m	2.0M	5000m ³ /h	13.0m/s	24kW	220-240V-1PN	3.0A	59/55dB	3 core [†]	470mm x 655mm x 2510mm	60.0kg
Ambient/Cold Store											
DAB10AR	4.0m	1.0M	3000m ³ /h	13.5m/s	n/a	220-240V-1PN	1.5A	58/52dB	3 core [†]	470mm x 655mm x 1255mm	26.5kg
DAB15AR	4.0m	1.5M	4000m ³ /h	13.5m/s	n/a	220-240V-1PN	2.3A	59/53dB	3 core [†]	470mm x 655mm x 1855mm	35.5kg
DAB20AR**	4.0m	2.0M	6000m ³ /h	13.5m/s	n/a	220-240V-1PN	3.0A	60/54dB	3 core [†]	470mm x 655mm x 2510mm	53.0kg

* Measured 3m from the product, outside the airstream ** Comprises two units † Plus earth