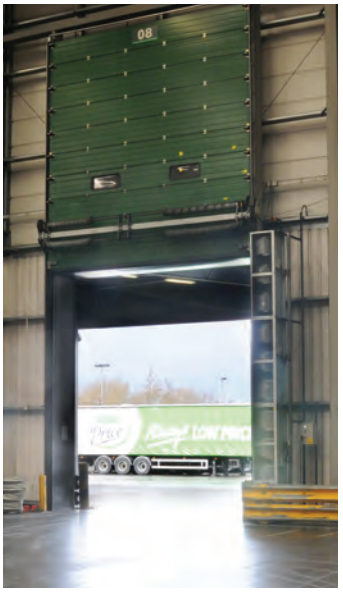





AIRBLOC

Energy Saving Air Curtains

Product Portfolio

AMBIRAD

HEATING AND VENTILATION SOLUTIONS

Air Curtains

Commercial & Industrial Air Curtains

Warehouses, factories, retail premises and cold rooms are all subject to the problems caused by frequently opened doors. The open door not only causes discomfort but greatly increases energy loss and, therefore, the running costs of the building. Airbloc units offer a cost-effective, energy efficient solution to these problems by reducing heat loss by 80%.

The Airbloc range comprises ambient unheated models or heated models using gas, electricity, hot water or steam. In well insulated structures, Airbloc provides the final complement to the low energy concept by eliminating a major source of heat-loss.

Simple Versatile Installation

Airbloc units are supplied in a compact modular format for simplified on-site handling. Units are designed for doors up to six metres high. For industrial applications where over-door installation is not practical, the units may be vertically mounted at one or both sides of the door. Remote control panels are provided with each air curtain to reduce on-site wiring.

Food Safety

European Food Safety Inspection Service (EFSIS) advises that where food is handled or stored, doors should be adequately proofed. When doors have to be opened, Airbloc air curtains offer a suitable barrier to stop the ingress of dust and flying insects, protecting the internal environment. The use of an air curtain across cold store doors also helps prevent the icing of floors and condensers.

Custom Designed Units

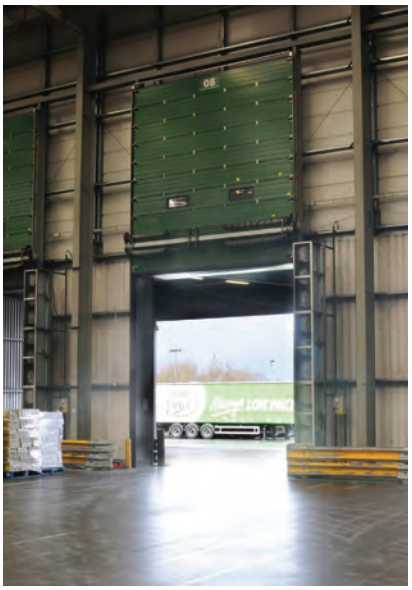
Although the three Airbloc ranges cover the majority of standard applications, Airbloc air curtains can be custom designed to meet particular requirements. These may include special sizing for integration within ceiling systems or bulkheads, vertical mounting, or units with specific airflow performance.

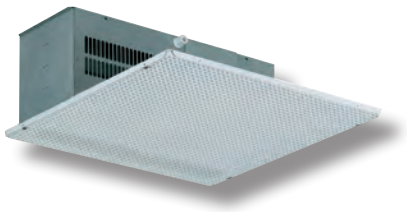
A full free service is offered for the application of Airbloc air curtains, from initial enquiry, through to site survey and final design drawings. Expertise is available to ensure the most appropriate air curtain is used to meet customers' requirements.

Product Portfolio:

Commercial / retail air curtains

Airbloc air curtains can be recess mounted in bulkheads or above false ceilings and can be fully cased for surface mounting, offering exceptional installation flexibility.





Ceiling tile heaters

Designed to complement the Airbloc air curtain range, ceiling tile heaters provide a cost-effective heating solution for retail outlets, restaurants and showrooms. Available recessed or surface mounted.

Industrial air curtains

Designed for industrial or large warehousing doors, the powerful Airbloc AB range of industrial air curtains offers protection for doorways up to six metres high. Industrial units are available as gas, low pressure hot water (LPHW), medium pressure hot water (MPHW), electric or steam heated.

Wired remote control panel

Control Options

All units (except mini AC600SE3) are supplied as standard with a wired remote control panel to adjust fan speed and heat output. The wired remote panel can be sited at a location to suit the user up to 100m from the air curtain.

Airbloc SmartElec energy saving control panels are available for use with all Airbloc AC and ACR three phase electrically heated units. SmartElec is simple to install and operate and does not require on-site specialist commissioning. More importantly it reduces power consumption and energy costs of running the air curtain by up to 50%.

Airbloc SmartElec control panel

AC Series

Commercial / Retail Air Curtains

The Airbloc AC Series is a commercial/retail air curtain, designed to be aesthetically pleasing when wall mounted or on drop rods in front of glass fronted entrances.

The unit has a host of unique lighting and building safety features that enhance both its functionality and looks. The semi-circular profile and range of finishes make the air curtains an aesthetic addition to a building's interior.

Model Range

The AC Series is available in 3 versions:

> Ambient (non-heated)

> Electric heating

> Low pressure hot water heating

Choice of outputs 4.5, 6, 9, 12, 18 and 24kW (heated models).

White (RAL9010) or metallic silver (RAL9006) as standard colours. Alternative colours to order.

Options

> 3 hour emergency luminaire

> 10,000 hour down lighting

> Illuminated rear back box with perspex cover for company logos (logos not supplied)

> SmartElec energy saving control

Applications

> Bars

> Hotels

> Offices

> Restaurants

> Shops

AC fitted with optional illuminated fire exit sign

Features & Benefits

> Reduces heat loss around open doors by up to 80%

> Suitable for mounting heights of three or four metres depending upon capacity

> Good aesthetic appearance

> Flush adjustable grilles

> Innovative shape

> Standard or high capacity

> CE approved

> Cost-effective heating solution

> Units can be placed side by side to resemble a continuous unit

The problem

When doors are opened in heated buildings, outside, colder, more dense air flows in through the bottom half of the door opening, whilst warm internal air flows out through the upper part of the doorway.

Conversely, in air-conditioned buildings or cold stores, the colder, more dense internal air spills out at low level and is replaced by warm, moist air.

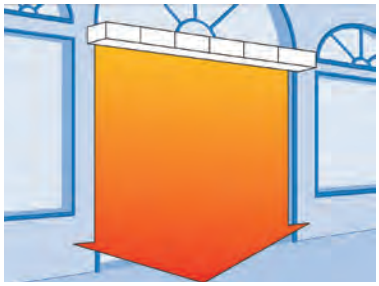
Without air curtain

The solution

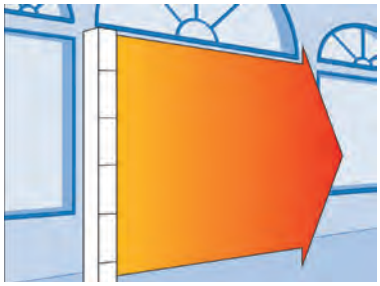
The installation of an Airbloc energy saving air curtain provides a barrier of air that defects the natural convection airflow keeping conditioned air inside the building.

The Airbloc design provides air at a critical velocity, volume flow and temperature for optimum performance.

Airbloc air curtains may be mounted horizontally or vertically to suit space or structure



Horizontal mounting



Vertical mounting

The technology

In order to achieve efficient low energy solutions, the air jet width, velocity and pattern of the airflow is crucial. Airbloc units incorporate the following design features for optimum performance:

> Uniform linear flow across the full door width

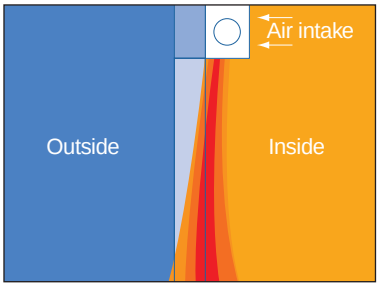
> Fan speed control with extra width adjustable air jet for improved wind resistance.

Installation considerations:

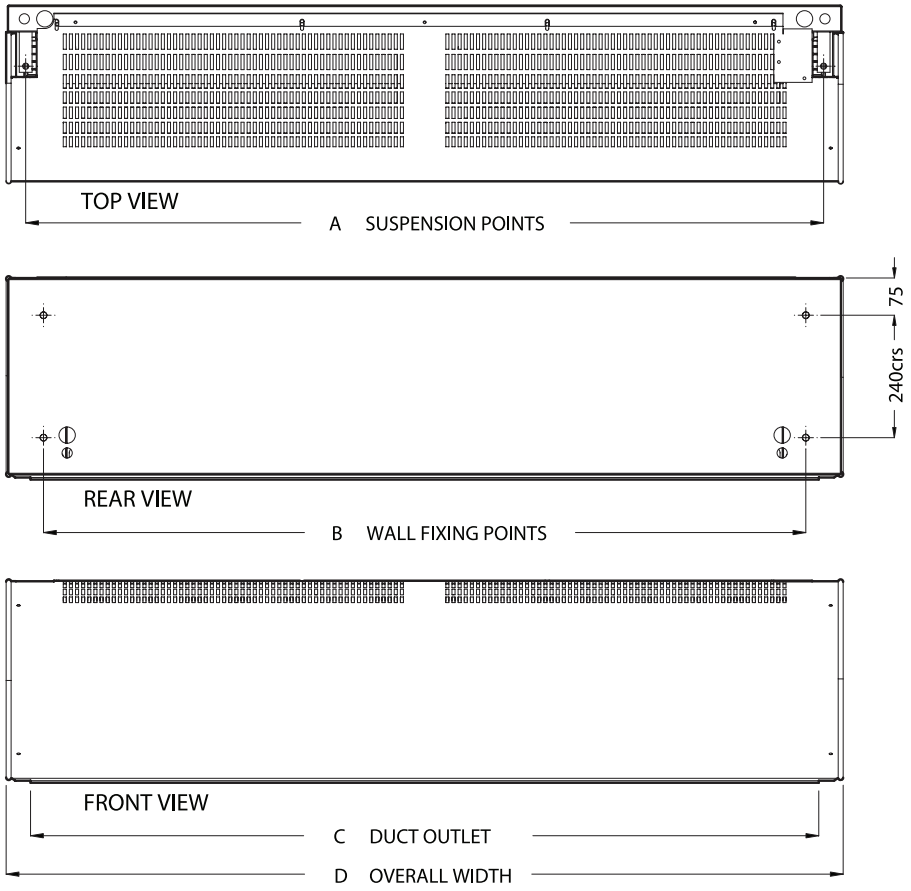
> Air curtain should be situated as close to the open door as possible

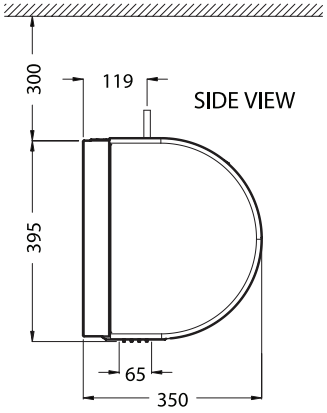
> The selected air curtain should be wider than the opening

> The air curtain should be commissioned to ensure the most efficient fan and heat settings are selected



Dimensions





Dimensions				
Model		**AC1000**	**AC1500**	**AC2000**
A	mm	1062	1562	2062
B	mm	992	1492	1992
C	mm	1053	1553	2053
D	mm	1138	1638	2138

Technical Data - All Models

			Standard Capacity *			High Capacity *		
Model	**Ambient**		**AC1000SA**	**AC1500SA**	**AC2000SA**	**AC1000HA**	**AC1500HA**	**AC2000HA**
	Electric		**AC1000SE9**	**AC1500SE12**	**AC2000SE18**	**AC1000HE12**	**AC1500HE18**	**AC2000HE24**
	LPHW		**AC1000SW9**	**AC1500SW12**	**AC2000SW18**	**AC1000HW12**	**AC1500HW18**	**AC2000HW24**
Maximum door width		mm	1000	1500	2000	1000	1500	2000
Maximum mounting height		mm	3000	3000	3000	4000	4000	4000
Maximum air volume		m^3/h	2300	3300	5000	2300	3300	5000
Maximum velocity		m/s	11	11	11	11	11	11
Approximate weight		kg	39.5	49.0	60.0	39.5	49.0	60.0

*For all models please suffix with S for metallic silver RAL9006 or W for white RAL9010 finish.
Control: wired remote switch box.
Please request quotation for optional extras.
No heating capacity for ambient models.

Technical Data - Ambient

		Standard Capacity *			High Capacity *		
Model		**AC1000SA**	**AC1500SA**	**AC2000SA**	**AC1000HA**	**AC1500HA**	**AC2000HA**
Motor power	W	370	370	370	370	370	370
Electrical supply		230 volt 1 phase 50Hz					
Total electrical load	amps	1.6	1.6	1.6	1.6	1.6	1.6

Technical Data - Electric 1 Phase

		Standard Capacity *		
Model		**AC1000SE6-1PH**	**AC1500SE6-1PH**	**AC2000SE9-1PH**
Maximum heating capacity	kW	6	6	9
Motor power	W	370	370	370
Electrical supply		230 volt 1 phase 50Hz		
Total electrical load	amps	27.7	27.7	40.7

Technical Data - Electric 3 Phase

		Standard Capacity *			High Capacity *		
Model		**AC1000SE9**	**AC1500SE12**	**AC2000SE18**	**AC1000HE12**	**AC1500HE18**	**AC2000HE24**
Maximum heating capacity	kW	9	12	18	12	18	24
Motor power	W	370	370	370	370	370	370
Electrical supply		415 volt 3 phase 50Hz					
Total electrical load (per phase)	amps	13.1	17.3	25.6	17.3	25.6	34.0

Technical Data - LPHW

		Standard Capacity *			High Capacity *		
Model		**AC1000SW9**	**AC1500SW12**	**AC2000SW18**	**AC1000HW12**	**AC1500HW18**	**AC2000HW24**
Maximum heating capacity	kW	9	12	18	12	18	24
Motor power	W	370	370	370	370	370	370
Electrical supply		230 volt 1 phase 50Hz					
Total electrical load (per phase)	amps	1.6	1.6	1.6	1.6	1.6	1.6

AC Chassis Series

Commercial / Retail Recessed Air Curtains

The Airbloc AC chassis recessed series is a commercial/retail air curtain.

Designed for discreet positioning in suspended ceiling or bulkhead in doorways of retail or commercial premises where low visual impact is required.

It creates comfortable conditions for staff and customers, by providing a powerful down-flow of heated or ambient air.

Model Range

The AC Series is available in 3 versions:

> Ambient (non-heated)

> Electric heating

> Low pressure hot water heating

Choice of outputs 4.5, 6, 9, 12, 18 and 24kW (heated models).

Applications

> Bars

> Hotels

> Offices

> Restaurants

> Shops

Features & Benefits

> Reduces heat loss around open doors by up to 80%

> Suitable for mounting heights of three or four metres depending upon capacity

> Flush adjustable grilles

> Standard or high capacity

> CE approved

> Cost-effective heating solution

> Units can be placed side by side to resemble a continuous unit

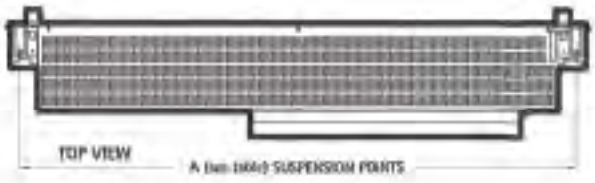
Technical Data

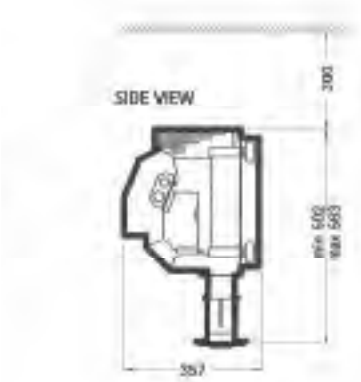
Model		Standard Capacity			High Capacity		
	Ambient	AC1000SA-CMS	AC1500SA-CMS	AC2000SA-CMS	AC1000HA-CMS	AC1500HA-CMS	AC2000HA-CMS
	Electric	AC1000SE9-CMS	AC1500SE12-CMS	AC2000SE18-CMS	AC1000HE12-CMS	AC1500HE18-CMS	AC2000HE24-CMS
	LPHW	AC1000SW9-CMS	AC1500SW12-CMS	AC2000SW18-CMS	AC1000HW12-CMS	AC1500HW18-CMS	AC2000HW24-CMS
Maximum door width	mm	1000	1500	2000	1000	1500	2000
Maximum mounting height	mm	3000	3000	3000	4000	4000	4000
Maximum air volume	m^3/h	1558	2400	41001	2300	3300	5000
Maximum velocity	m/s	8.5	8.5	8.5	11.0	11.0	11.0
Maximum heating capacity	kW	9.0	12.0	18.0	12.0	18.0	24.0
Approximate weight	Kg	39.5	49	60	39.5	49	60
Motor power	W	190	190	190	190	190	190
Electrical supply (electrically heated models only)		400 - 500 volt 3 phase 50Hz					
Electrical supply (ambient & LPHW models only)		230 volt 1 phase 50Hz					
Total electrical load (per phase) (electrically heated models only)	Amps	14.2	18.5	28	18.5	29.5	38.4
Total electrical load (per phase) (ambient & LPHW models only)	Amps	2.5	2.5	2.5	2.5	2.5	2.5

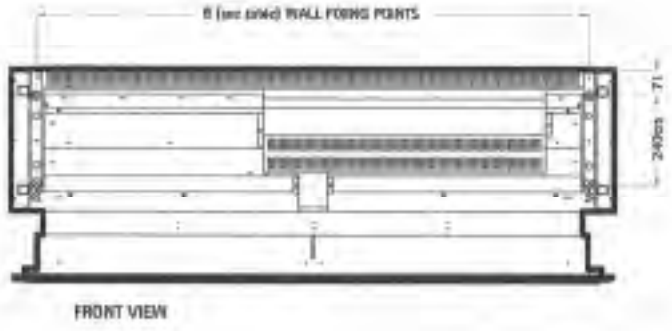
* Air inlet grille not supplied

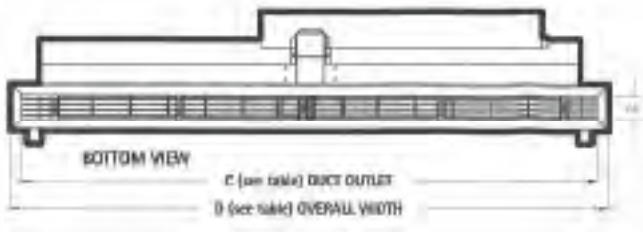
** Adequate clearances above ceilng / bulkhead required for ventilation

*** 3 Port valves not supplied with LPHW units









Dimensions

Model		1000AC	1500AC	2000AC
Length				
A	mm	1062	1562	253
B	mm	992	1520	2020
C	mm	1095	482	1982
D	mm	1138	395	395

AC Architectural

Commercial / Retail Air Curtains

The Airbloc AC architectural Series is a commercial/retail air curtain, designed to be aesthetically pleasing when mounted in front of glass fronted entrances.

Model Range

The AC architectural Series is available in 2 versions:

> Electric heating

> Low pressure hot water heating

Choice of outputs 18, 24, 35 and 44kW which can be mounted vertical to horizontal

Brushed or mirrored stainless steel versions available.

Features & Benefits

> Reduces heat loss around open doors by up to 80%

> Stylish appearance

> Outlet diffuser for even air distribution

> EC ERP approved motors

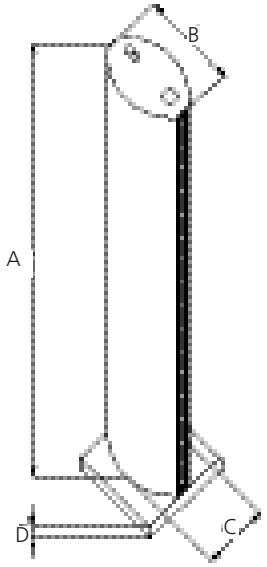
> CE approved

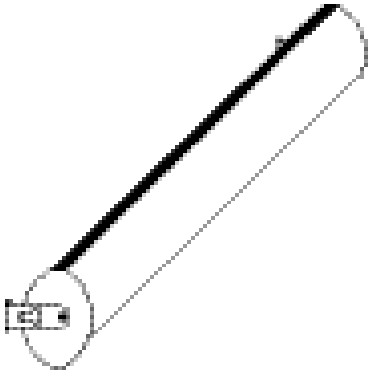
> Cost-effective heating solution

> Vertical and horizontal models

> Quiet operation

Dimensions				
Model		**VAC/DAC 2000**	**VAC/DAC 2200**	**VAC/DAC 2500**
Length				
A	mm	1950	2200	2450
B	mm	505	505	505
C	mm	355	355	355
D	mm			





Technical Data - All Models							
		VAC Vertical			**DAC Horizontal**		
	Electric	**VAC2000SE18**	**VAC2200SE18**	**VAC2500SE24**	**DAC2000SE18**	**DAC2200SE18**	**DAC2500SE24**
	LPHW	**VAC2000SW35**	**VAC2200SW35**	**VAC2500SE44**	**DAC2000SW35**	**DAC2200SW35**	**DAC2500S E44**
Maximum door width	mm	3000	3000	3000	1900	2100	2400
Maximum mounting height	mm	n/a	n/a	n/a	3000	3000	3000
Maximum door height	mm	2000	2200	2500	n/a	n/a	n/a
Maximum air volume	m^3/h	4700	4700	5600	4700	4700	5600
Maximum velocity	m/s	11	11	11	11	11	11
Approximate weight	Kg	60	70	80	60	70	80

Technical Data - Electric 3 Phase							
		VAC Vertical			**DAC Horizontal**		
Model		**VAC2000SE18**	**VAC2200SE18**	**VAC2500SE24**	**DAC2000SE18**	**DAC2200SE18**	**DAC2500SE24**
Maximum heating capacity	kW	18	18	24	18	18	24
Motor power	W	250	250	250	250	250	250
Electrical supply		415v 3ph 50hz					
Total electrical load (per phase)	amps						

Technical Data - LPHW							
		VAC Vertical			**DAC Horizontal**		
Model		**VAC2000SW35**	**VAC2200SW35**	**VAC2500SE44**	**DAC2000SW35**	**DAC2200SW35**	**DAC2500SE44**
Maximum heating capacity*	kW	35	35	44	35	35	44
Motor power	W	250	250	250	250	250	250
Electrical supply		230v 1ph 50hz					
Total electrical load (per phase)	amps						

* Based on 95/70°C water temp @ 15°C ambient

ACR Series

Commercial / Retail Air Curtains

The Airbloc ACR Series recessed cased air curtain is designed for discreet positioning in a suspended ceiling or bulkhead in the doorways of retail or commercial premises, It creates comfortable conditions for staff and customers by providing a powerful down-flow of heated or ambient air.

Model Range

The ACR Series is available in 3 versions:

> Ambient (non-heated)

> Electric heating

> Low pressure hot water heating

Choice of outputs 6, 9, 12, and 18kW (heated models).

White (RAL9010) as standard.
Alternative colours to order.

Applications

> Bars

> Hotels

> Offices

> Restaurants

> Shops

Features & Benefits

> Suitable for mounting heights of three or four metres dependent upon capacity

> Available in four sizes - 1.2m, 1.5m, 1.8m and 2m

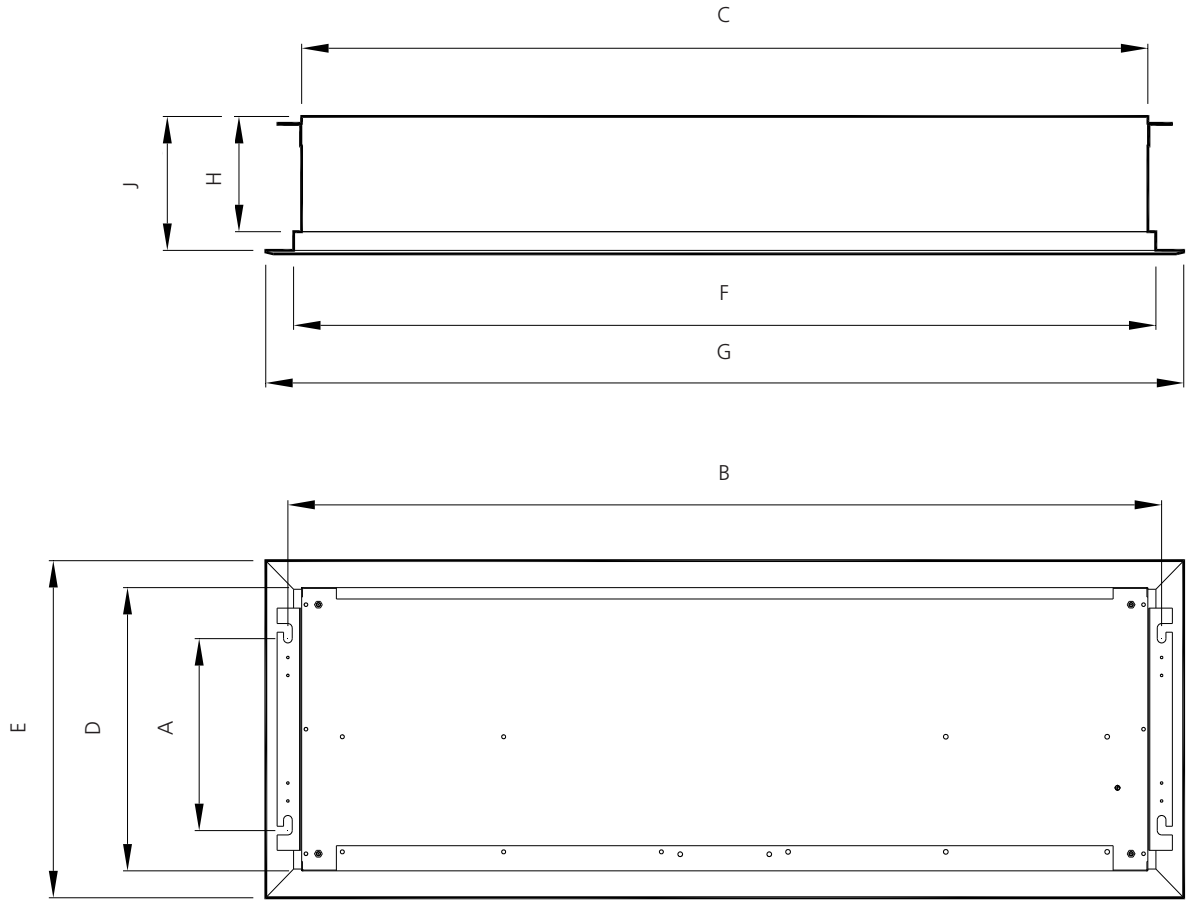
> Prevents heated or conditioned air escaping through open doors

> Maximum 220mm deep - shallowest of its type on the market. This maximises internal space by reducing the required depth of the suspended ceiling into which it is recessed

> Optional outer wrap for exposed mountain in doorways with restricted space and no suspended ceiling or bulkhead

> Maximum output velocity of 8.4m/sec on standard capacity models and 11m/sec for high capacity models

Dimensions



Dimensions						
		Standard Capacity			High Capacity	
Model		**ACR100**	**ACR150**	**ACR200**	**ACR120**	**ACR180**
Length						
A	mm	253	253	253	407	407
B	mm	1220	1520	2020	1185	1785
C	mm	1182	1482	1982	1150	1750
D	mm	395	395	395	550	550
E	mm	454	454	454	608	608
F	mm	1205	1505	2005	1150	1750
G	mm	1242	1542	2095	1210	1810
H	mm	460	160	160	180	180
J	mm	200	200	200	220	220

TECHNICAL DATA - All Models							
			Standard Capacity			High Capacity	
Model	Ambient		ACR100SA	ACR150SA	ACR200SA	ACR120HA	ACR180HA
	Electric		ACR100SE9	ACR150SE12	ACR200SE18	ACR120HE12	ACR180HE18
	LPHW		ACR100SW9	ACR150SW12	ACR200SW18	ACR120HW12	ACR180HW18
Maximum door width		mm	1200	1500	2000	1200	1800
Maximum mounting height		mm	3000	3000	3000	4000	4000
Maximum air volume		m^3/h	1646	2085	2851	2300	3300
Maximum velocity		m/s	7.0	7.0	8.4	11.0	11.0
Approximate weight		kg	28.0	34.0	49.0	38.0	55.0

TECHNICAL DATA - Ambient							
			Standard Capacity			High Capacity	
Model			ACR100SA	ACR150SA	ACR200SA	ACR120HA	ACR180HA
Motor power		W	60	60	90	370	370
Electrical supply			230 volt 1 phase 50Hz				
Total electrical load		amps	0.26	0.26	0.40	1.6	1.6

TECHNICAL DATA - Electric 1 phase					
		Standard Capacity			
Model		ACR100SE6-1PH		ACR150SE6-1PH	ACR200SE9-1PH
Maximum heating capacity	kW	6		6	9
Motor power	W	60		60	90
Electrical supply		230 volt 1 phase 50Hz			
Total electrical load (per phase)	amps	26.5		26.5	39.6

TECHNICAL DATA - Electric 3 phase						
		Standard Capacity			High Capacity	
Model		ACR100SE9	ACR150SE12	ACR200SE18	ACR120HE12	ACR180HE18
Maximum heating capacity	kW	9	12	18	12	18
Motor power	W	60	60	90	370	370
Electrical supply		415 volt 3 phase 50Hz				
Total electrical load (per phase)	amps	12.6	16.8	25.2	17.3	25.6

TECHNICAL DATA - LPHW						
		Standard Capacity			High Capacity	
Model		ACR100SW9	ACR150SW12	ACR200SW18	ACR120HW12	ACR180HW18
Maximum heating capacity	kW	9	12	18	12	18
Motor power	W	60	60	90	370	370
Electrical supply		230 volt 1 phase 50Hz				
Total electrical load	amps	0.26	0.26	0.40	1.6	1.6

ACT Series

Recessed Ceiling Tile & Surface Mounted Stockroom Heaters

The Airbloc ACT Series is an electric heater that directs a down-flow of warm air from overhead, delivering immediate heat where required and rapidly creating a comfortable environment for staff and customers.

Model Range

> Surface mounted or recessed to replace a standard ceiling tile

> Available with three heating capacities of 3kW, 4.5kW and 6kW

> Available in a white finish with egg crate grilles to ensure the visual integrity of the interior retained

Features & Benefits

> Maximum mounting heights 3m to 3.5m

> Compact dimensions to fit shallow ceiling voids

> Immediate warmth

> Quiet operation

> Good aesthetic appearance

Technical Data

		Recessed Mounted			Surface Mounted		
Model		**ACT30R**	**ACT40R**	**ACT60R**	**ACT30S**	**ACT40S**	**ACT60S**
Dimensions	mm	600H X 600W X 175D					
Maximum mounting height	mm	3000	3500	3500	3000	3500	3500
Approximate weight	kg	10	11	13.5	13	14	19
Maximum heating capacity	kW	3	4.5	6	3	4.5	6
Electrical supply		230 volt 1 phase 50Hz					
Total electrical load	amps	13	20	27	13	20	27

AC Mini Series

Commercial/Retail Over Door Heater

The Airbloc AC Mini Series is an aesthetically pleasing commercial/ retail over door, wall or ceiling mounted heater.

The semi-circular profile makes the over door heater an attractive addition to a building's interior.

Model Range

Available with heaing capacities of 3kW, 4.5kW or 6kW for maximum door widths of 600mm, 800mm and 1,000mm.

The 3kW model has integral switches. 4.5kW and 6kW are available with standard manual switch box or optional wireless control.

Optional wirelessc control with 7 day time which can control up to 16 units in a single temperature zone.

Features & Benefits

- Good aesthetic appearance
- Swivel brackets can be wall ceiling or drop rod mounted
- Innovative shape
- CE approved
- Cost-effective heating solution

Technical Data				
Model		**MINI600SE3 (1)**	**MINI800SE4-5 (2)**	**MINI1000SE6 (2)**
Maximum door width	mm	600	800	1000
Maximum mounting height	mm	2300	2500	2500
Approximate weight	kg	6	8	10
Maximum air volume	m^3/h	273	382	382
Maximum heating capacity	kW	3	4.5	6
Electrical supply	V	230 volt 1 phase 50Hz		
Total electrical load	amps	12.5	18.8	25.0

1 Supplied complete with switches.
2 Control: wired remote switch box.

ACR Mini Series

Recessed Ceiling Tile & Surface Mounted Stockroom Heaters

The Airbloc ACR Mini Series recessed cased air curtain is designed for discreet positioning in a suspended ceiling or bulkhead in the kiosks of fast food or commercial premises, It creates comfortable conditions for staff and customers by providing a down-flow of heated or ambient air.

Model Range

The ACR Mini Series is an electric air curtain with a choice of outputs - 3, 4.5 and 6kW

Features & Benefits

> Suitable for mounting heights of between 2.2 and 2.8 metres dependent upon capacity

> Available in two sizes - 600mm and 900mm

> Only 140mm deep - shallowest of its type on the market. This maximises internal space by reducing the required depth of the suspended ceiling into which it is recessed

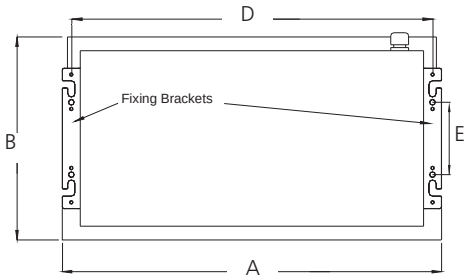
Applications

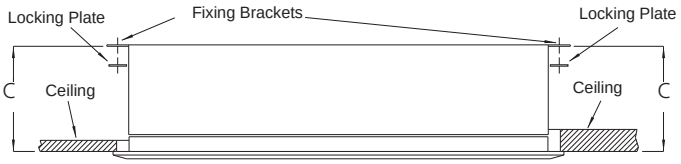
> Booth Heater

> Drive through window heater

> Kiosk Heater

> Spot Heating





Dimensions					
Model			ACRMINI3	ACRMINI4.5	ACRMINI6
A	Overall Length	mm	618	618	930
B	Overall Width	mm	340	340	340
C	Unit Depth	mm	140	140	140
D	Fixing Bracket Length	mm	605	605	920
E	Fixing Bracket Width	mm	150	150	150

Specification

Cased Recessed General Data				
Model		ACRMINI3	ACRMINI4.5	ACRMINI6
Maximum window width	mm	600	600	900
Maximum mounting height	mm	2800	2800	2800
Maximum air volume	m^3/h	1646	2085	2851
Approximate weight	kg	9.5	9.5	14

Cased Recessed Electrically Heated				
Model		ACRMINI3	ACRMINI4.5	ACRMINI6
Maximum heating capacity	kW	3	4.5	6
Electrical supply		230/240 volt 3 phase 50Hz		

SmartElec energy saving control panel

SmartElec

Energy Saving Control

A new energy saving control unit that reduces both power consumption and energy costs by up to 50%, SmartElec² is the perfect complement for Airbloc energy saving air curtains. Suitable for both new and existing installations SmartElec² is packed with features to make life easier for installers and users alike.

SmartElec Features

> Simple installation - wiring via a plug and play cable and connectors are direct to the controller, no intermediary terminal blocks are required

> Easy programming - users merely select whether they require the heat on or off, the required fan setting (1,2 or 3 speed), and the outlet temperature setting

> Ability to be linked with air-conditioning units via optional relay, enabling elements to be switched off when in cooling mode

> For new installation, factory fitted power units are mounted in the air curtain and pre-wired to air curtain components

> Retrospecting fitting - can be fitted into some existing air curtains or placed in an enclosure elsewhere and wired to the air curtain

> BMS compatible via Modbus communication

> Maintains constant outlet temperature at required room setting with tolerance for countering air curtain velocity

> Air outlet sensor mounted within the air curtain to enable accurate room set temperatures

> Suitable for use with Airbloc AC, ACR and ACT 3 phase electrically heated units

> Can be linked to PIR

> Linked to external thermostat for proportional control in various set temperatures

SmartElec Benefits

> Energy saving - intelligent controller monitors set temperatures to ensure that once reached the unit merely modulates to maintain temperature

> Cost savings - no specialist commissioning required

> Reduced payback period on investment thanks to the significant energy savings generated

> Easier installation between air curtain and control panel - via plug and play 24V Belden 8132 cabling (various lengths available)

> Centralised control - units an be mounted up to 100m from the air curtain

> Good aesthetic appearance - the stainless steel slimline control pad complements most modern interiors

> Enhanced security - all units can be security coded to prevent unauthorised access

> Interlink and independent control of up to 16 air curtains from one control panel

Controls

Energy Saving Controllers Airbloc Air Curtains

All units (except mini AC600SE3) are supplied as standard with a wired remote control panel (ACC) to adjust fan speed and heat output. The wired remote panel can be sited at a location to suit the user up to 100m from the air curtain.

The Airbloc SmartElec energy saving control unit reduces both power consumption and energy costs by up to 50%, making it the perfect complement for Airbloc energy saving air curtains.

SmartElec is suitable for both new and existing installations, and is compatible with Airbloc AC and ACR 3 phase electrically heated units.

ACC Features

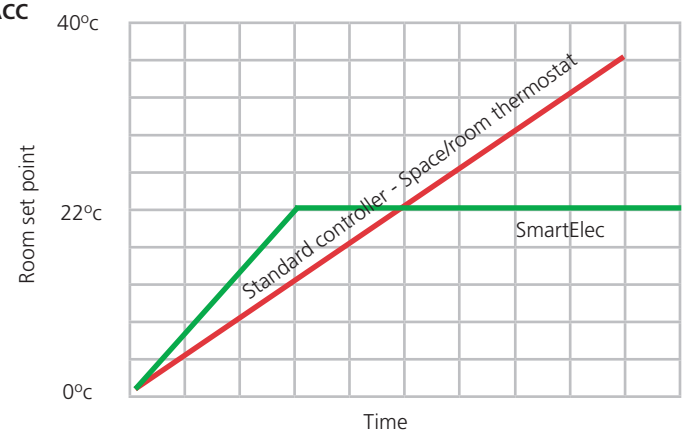
- Digital display
- 3 stage fan speed control
- 2 stage fan speed control
- Volt free enable/inhibit
- Network control up to 6 air curtains
- Control of 3 port valve via optional remote temperature sensor
- Optional door contact
- Optional time clock

ACC wired remote control panel

SmartElec Features

- Digital display
- 3 stage fan speed control
- Thyristor controlled heat output
- Outlet temperature range of 16°c - 35°c
- Outlet temperature sensor located in air curtain
- Outdoor temperature compensation
- Plug and play controls cable
- Network 16 air curtains
- Modbus protocol (RS485)
- Optional remote temperature sesnor
- Optional door contact
- Optional time clock

SmartElec vs Standard ACC



AB Air Curtains

Industrial Air Curtains

AB industrial air curtains provide a barrier of high velocity air that helps block incoming winds and stops warm air escaping. They achieve this by delivering a powerful barrier of heated air across the entire width of the doorway. Units can be easily fitted within existing or new buildings and are ideal for open doorways.

Units are best mounted horizontally above the door to enable high-level warm air to be re-circulated to working level. Where over-door mounting is not possible, alternative units are available which may be mounted vertically at one or both sides of the door.

Please contact John Halley on 07979 243 147 for more information.

Model Range

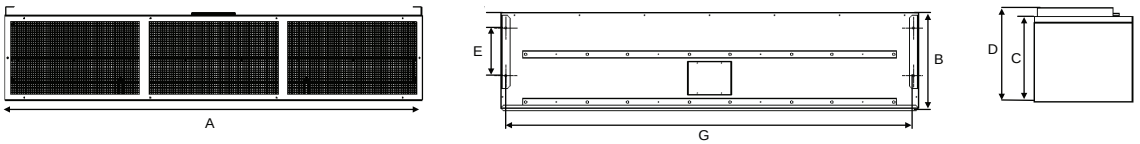
- Eight models, for door widths from 2 metres to 6.7 metres
- Suitable for doorways up to six metres high
- Heat outputs from 24kW to 195kW
- Choice of ambient, gas, electric, LPHW or steam units
- Units may be specified for either use on natural gas (G20) or propane (G31)
- Standard units are suitable for horizontal mounting over the top of a door. For applications requiring vertical air curtains special 'tailor made' units are available

Features

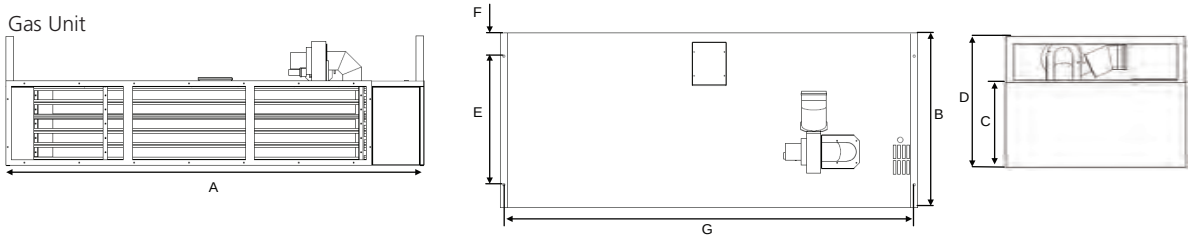
- Lower energy bills; air curtains provide an effective barrier to minimise the loss of warm air through open doors
- Complement and improve efficiency of conventional heating systems
- Allow doors to be left open for fork lift access
- Heated units can operate when the door is closed to provide supplementary heating
- Models are supplied to site in modular format for ease of handling
- All models are supplied with remote control panels
- Optional fan speed control is available on all models

Specification									
Model		**AB175**	**AB225**	**AB350**	**AB400**	**AB450**	**AB525**	**AB575**	**AB625**	**AB675**
Maximum door width	mm	1750	2250	3500	4000	4500	5250	5750	6250	6750
Maximum mounting height	mm	6000	6000	6000	6000	6000	6000	6000	6000	6000
Number of modules		1	1	2	2	2	3	3	3	3
Number of fans		3	4	6	7	8	9	10	11	12
Maximum air volume[1]	m³ /h	7068	9425	14136	16493	18850	23690	25215	26750	28275
Maximum heating capacity[1]										
Gas	kW	40	54	80	94	108	120	134	148	162
Electric	kW	18	27	36	45	54	n/a	n/a	n/a	n/a
LPHW	kW	60	70	120	130	140	180	190	200	210
Steam	kW	60	70	120	130	140	180	190	200	210
Total electrical load										
Ambient / LPHW /Steam/Gas	kW	1.65	2.20	3.30	3.85	4.40	4.95	5.50	6.05	6.60
Electric	kW	19.65	26.20	39.30	45.85	52.40	58.95	65.50	72.05	78.60
Electrical Supply		230V 1PH 50HZ		415V 3PH 50HZ (load is split over phases)						
Current Rating (per fan)	amps	4.5A (FLC)								

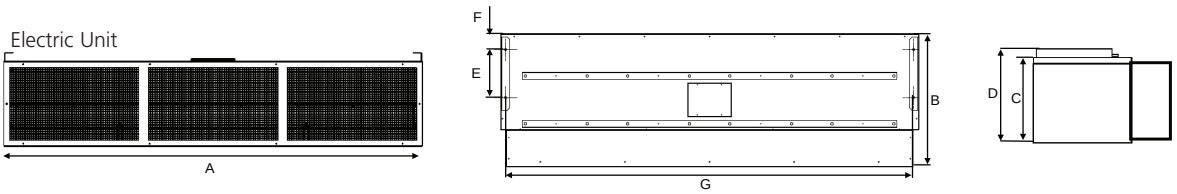
Ambient Unit



Gas Unit



Electric Unit



Dimensions							
Model		**Ambient**		**Gas**		**Electric**	
		AB175	**AB225**	**AB175**	**AB225**	**AB175**	**AB225**
A	mm	1750	2250	1750	2250	1750	2250
B	mm	523	523	950	950	722	722
C	mm	457	457	457	457	457	457
D	mm	507	507	700	700	507	507
E	mm	260	260	700	700	260	260
F	mm	86	86	125	125	86	86
G	mm	1695	2195	1710	1710	1695	2195
Weight	Kg	90	115	185	185	133	145

ABX Air Curtains

Industrial Air Curtains

The Airbloc ABX Series industrial air curtain provides a barrier of high velocity air that helps block incoming winds and stops warm air escaping. Units can be easily fitted within existing or new buildings and are ideal for open doorways.

The open door not only causes discomfort but greatly increases energy loss and the running costs of the building. Airbloc units offer a cost-effective, energy efficient solution to these problems.

Units are best mounted horizontally above the door to enable high-level warm air to be re-circulated to working level. Where over-door mounting is not possible, alternative units are available which may be mounted vertically at one or both sides of the door.

Please contact John Halley on 07979 243 147 for more information.

Model Range

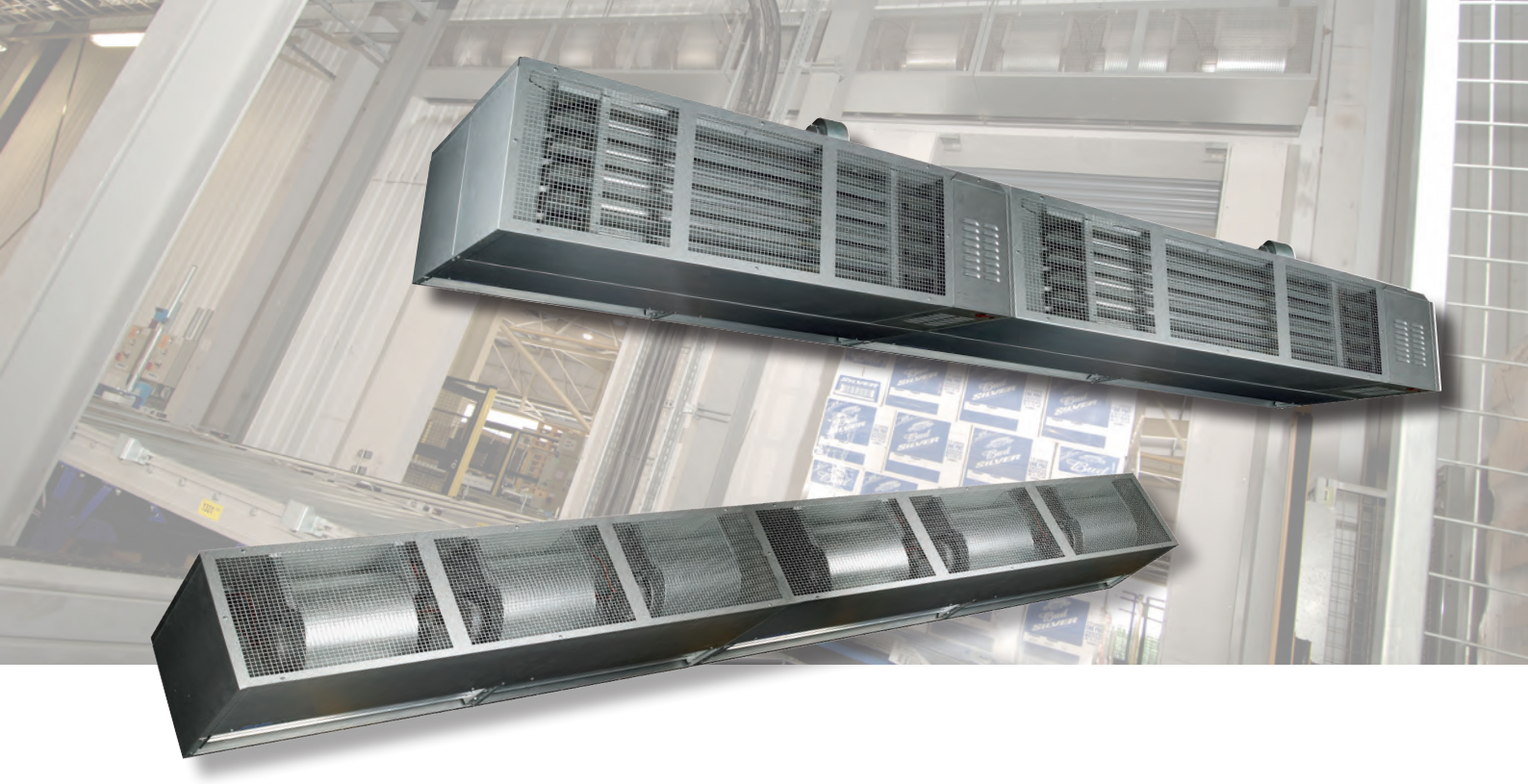
- Eight models, for door widths from two metres to six metres
- Suitable for doorways up to nine metres high
- Choice of outputs up to 360kW
- Choice of ambient, low pressure hot water (LPHW) or steam heated
- Units can be mounted either horizontally or vertically

Applications

- Distribution centres
- Hangars
- Industrial buildings
- Exhibition Centres

Features

- Ideal for exceptionally high doors
- Lower energy bills; air curtains can reduce
- All models are supplied with remote controlled panels
- Complement and improve efficiency of conventional heating systems
- Inverter speed control is available on all models
- Effective barrier to prevent the loss of warm air
- Units can be operated as door opens or left continually running
- Allow doors to be left open for fork lift access without heat loss
- Heated units can operate even when the door is closed to provide additional heat
- Unheated units can be used in cold store facilities to prevent loss of cold air, reducing refrigeration costs and ice buildup
- Models are supplied to site in modular format for ease of handling



Technical Data									
Model		**ABX225**	**ABX350**	**ABX400**	**ABX450**	**ABX525**	**ABX575**	**ABX625**	**ABX675**
Maximum door width	mm	2250	3500	4000	4500	5250	5750	6250	6750
Maximum mounting height	mm	9000	9000	9000	9000	9000	9000	9000	9000
Overall unit length	mm	2250	3500	4000	5250	5250	5750	6250	6750
Maximum air volume (1)	m^3/h	17360	26040	30380	34720	39060	43400	47740	52080
Maximum heating capacity (2)									
LPHW	kW	120	200	220	240	300	320	340	360
Steam	kW	120	200	220	240	300	320	340	360
Approximate weight									
Ambient	kg	205	360	385	410	540	565	585	615
LPHW	kg	270	445	490	535	670	715	760	810
Steam	kg	270	445	490	535	670	715	760	810
Electrical data									
Motor power	kW	3	4.5	5.25	6	6.75	7.5	8.25	9
Total electric load	amps	12.4	18.6	21.7	24.8	27.9	31	34.1	37.2
Electrical supply		400 - 500 volt 3 phase 50Hz 4 wire							

1. Air volumes may be varied to suit individual applications.
2. Heating capacity may be reduced according to airflow.

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