



# ACM Series

COMMERCIAL/RETAIL AIR CURTAINS



# Overview

## ENERGY SAVING AIR CURTAINS



### Introduction

The Airbloc ACM Series of commercial/retail wall mounted air curtains provide high performance, flexibility and ease of use in all manner of commercial applications including retail outlets, restaurants, bars, hotels and public buildings.

As part of the wider Airbloc commercial and industrial air curtain range (see [www.airbloc.co.uk](http://www.airbloc.co.uk)), the ACM Series plays a vital role in supporting the energy efficiency of both heating and air conditioning systems and in maintaining comfort conditions for customers and staff.



### Features & Benefits

- Reduces heat loss amount around doors by up to 80%
- Suitable for mounting heights of 2.3m
- Good aesthetic appearance: white finish
- Flush grilles
- CE approved
- Cost-effective solution
- Units can be placed side by side to resemble a continuous unit
- Supplied with a flying lead
- Infrared remote control and operation from switches on unit



### Model Range

The ACM Series is available in 2 versions:

- Ambient (non-heated)
- Electric heating with a choice of outputs 6, 7 and 9kW (heated models)

### ACM Series Applications

- Bars
- Cold stores (ambient)
- Hotels
- Offices
- Public Buildings
- Restaurants
- Shops



## 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.



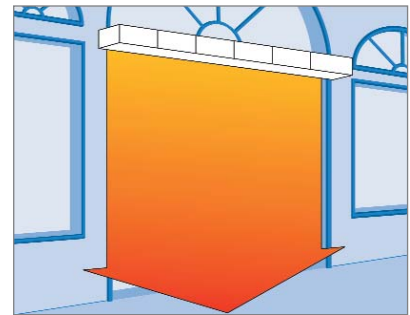
Without air curtain

## The solution

The installation of an Airbloc energy saving air curtain provides a barrier of air that deflects 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 to suit space or structure.

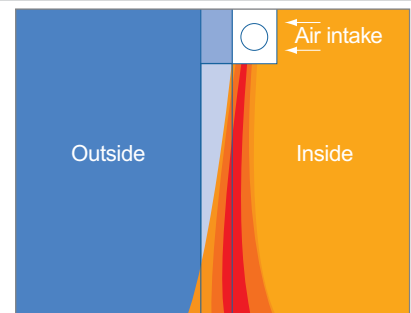


Horizontal mounting

## The technology

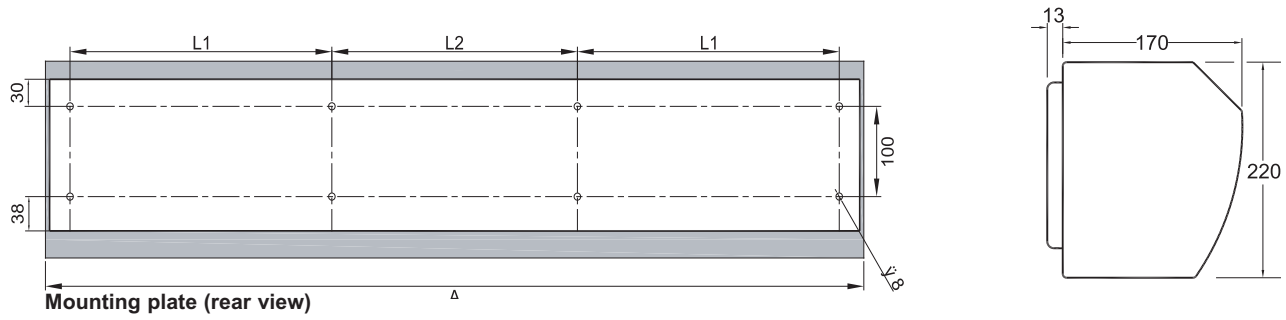
In order to achieve efficient low energy solutions, the air jet width, velocity and pattern of the airflow is crucial. Airbloc units incorporate the following design features for optimum performance:

- Uniform linear flow across the full door width
- Fan speed control with extra width adjustable air jet for improved wind resistance



Pattern of airflow

## Dimensions



### DIMENSIONS

Model		ACM900SE6/ACM900SA	ACM1200SE7/ACM1200SA	ACM1500SE9/ACM1500SA
<b>Length</b>				
A	mm	900	1200	1500
L1	mm	270	420	300
L2	mm	300	300	300

### SPECIFICATION

Model		Electric			Ambient		
		ACM900SE6	ACM1200SE7	ACM1500SE9	ACM900SA	ACM1200SA	ACM1500SA
Maximum door width	mm	900	1200	1500	900	1200	1500
Maximum mounting height	mm	3000	3000	3000	4000	4000	4000
Maximum air volume	m <sup>3</sup> /h	1220	1710	2230	1220	1710	2230
Maximum velocity	m/s	7	7	7	11(HI) 9(LO)	11(HI) 9(LO)	11(HI) 9(LO)
Maximum heating capacity	kW	6.0	7.0	9.0	N/A	N/A	N/A
Approximate weight	kg	21.4	23.2	25.5	15.6	19.5	25.3
Motor power	W	160	230	300	160	230	300
Electrical supply		380/415 volt 3 phase 50Hz			230 volt 1 phase 50Hz		
Total electrical load (per phase)	amps	8.93	10.4	13.4	0.7	1.0	1.3

Control: wired remote switch box.  
Please request quotation for optional extras.  
No heating capacity for ambient models.

An AmbiRad Group brand



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