



# PRODUCT CATALOGUE

Edition 2.0



# About Us



TOP air curtain shown

JS Air Curtains has been supplying a comprehensive range of air curtain solutions to the UK market since 1999.

Our wide range of quality air curtain solutions cover everything from economical units for small doorways, to large industrial units for warehouses.

From standard air curtains available in custom colours, to individually crafted bespoke units that meet architectural designs for prestigious buildings, we deliver solutions that combine performance with style.

Based in Chichester, West Sussex, we offer expert advice on air curtain projects system design and installation, with service and after-sales support.

If you have any questions or need any help finding the right solution, please get in touch.

Call: 0333 0384240  
Email: [sales@jsaircurtains.com](mailto:sales@jsaircurtains.com)  
www: [www.jsaircurtains.com](http://www.jsaircurtains.com)

Whilst every effort is made to ensure details are correct at time of print, these are for guidance and remain subject to change.



## Expert advice

Experienced applications engineers will provide technical advice in all aspects of air curtain design and specification, with CAD drawings, BIM files and CFD modelling available.



## Online air curtain selector tool

This tool will guide you to select products from our range that may be appropriate for your project. Visit: [jsaircurtains.com/selector](http://jsaircurtains.com/selector) to find out more.



## Comprehensive product range

Our wide range covers everything from economical air curtains, to large industrial units, and fully customised designer solutions.



## Free CIBSE approved CPD seminar

An informative one hour lunchtime seminar providing an effective understanding on air curtains for installers and specifiers. Book a date at [jsaircurtains.com/cpd](http://jsaircurtains.com/cpd).



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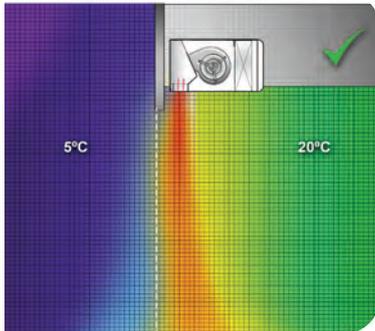
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# Introduction

## What is an air curtain?

Air curtains seal an entrance with an invisible barrier of air, preventing cold air entering in the winter and conditioned air escaping in the summer, whilst the door is open.



## Why use air curtains?

Suitable for retail, commercial and industrial sites, air curtains will lower a building's energy consumption all year round as internal temperatures are maintained and a building's energy costs reduce. They can be mounted horizontally above the entrance or installed vertically at the side.

Air curtains can increase profitability by allowing 'open-door' trading while improving customer and staff comfort. When used in industrial environments, they can make heated areas, with large, frequently open doorways, comfortable and improve safety by having no physical obstructions.

-  Prevent the entry of heat or cold
-  Protect from fumes, pollution and bad odours
-  Protect from pests and insects
-  Protect from wind draughts
-  Energy saving and reduction of losses
-  Improve visibility and accessibility



-  Thermal comfort of clients and workers
-  Reduce air conditioning running costs
-  Maintain the air quality and security
-  Commercial profitability and "open door effect"
-  Compliance with regulations and certifications
-  Custom projects. Easy installation and maintenance

## Benefits of air curtains



### Energy Efficiency

- Minimises energy consumption and reduces operational costs of the premises.
- Decreases the capacity required for central heating and cooling systems.
- Lowers CO2 emissions.
- Ensures compliance with relevant regulations and certifications.



### Enhanced Safety

- Improves visibility and eliminates obstacles.
- Facilitates safe and easy evacuation during emergencies.
- In cold rooms, reduces misting and prevents ice formation.
- Functions as a barrier against fire smoke in special applications.



### Commercial Benefits

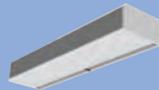
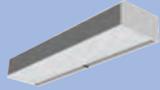
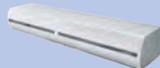
- Boosts sales by leveraging the "open door effect."
- Transforms the doorway into an attractive showcase display.
- Enhances accessibility for individuals using wheelchairs, strollers, or umbrellas.
- Expands usable entrance space for a more welcoming environment.



### Comfort and Health

- Improves comfort for both customers and staff.
- Supports better air quality and a well regulated environment.
- Acts as a barrier against pests, insects, dust, pollution, fumes, and unpleasant odours.

# Selection Guide

Door height <b>6m</b>	 Maxwell	 VCP	<b>7m</b>	 Industrial Windbox (XL)				
<b>5m</b>	 Industrial Windbox (L)							
<b>4.2m</b>	 Finesse	 Invisair	 Rotowind	 Rund	 Smart	 Standesse	 Windbox	 Recessed Windbox
	 Zen	 DAM	 KOOL					
<b>3.5m</b>	 Aris							
<b>2.8m</b>	 Essense Neo	 Mini Optima	 Recessed Optima	 TOP				

The maximum height of installation depends on the conditions of the premises.

Model	Page	Exposed	Recessed	Revolving	Vertical	Horizontal	Cold store	Commercial/ Public building/	Industrial/ Warehouse	EC fan option	Clever control option
RUND	6-7	•		•	•	•		•		•	•
ZEN	8-9	•			•	•		•		•	•
WINDBOX	10-11	•			•	•		•		•	•
SMART	12-13	•				•		•		•	•
ESSENSE NEO	14-15	•				•		•		•	
MINI OPTIMA	16-17	•				•		•			•
ARIS	18-19	•				•		•			•
STANDESSE	20-21	•				•		•		•	
DAM	22-25	•			•	•		•		•	•
TOP	30-31	•				•		•			•
RECESSED OPTIMA	32-33		•			•		•			•
FINESSE	34-35		•			•		•		•	
RECESSED WINDBOX	36-37		•			•		•		•	•
INVISAIR	38-39		•		•	•		•		•	•
ROTOWIND	40-41	•	•	•		•		•		•	•
MAXWELL	42-43	•			•	•			•		•
VCP	44-45	•			•	•			•	•	
INDUSTRIAL WINDBOX	46-47	•			•	•	•		•		•
KOOL	48-49	•			•	•	•		•	•	•
FLY	50-51	•				•		•			

# Rund

The Rund air curtain is a popular choice with architects. It has an extremely attractive cylindrical design with a faceted casing, which can be fitted in many different mounting or suspension options, to compliment an entrance's structural design.

Low noise, centrifugal double inlet fans are driven by an external rotor motor with a built-in thermal protection contact. The perforated inlet grilles have filter functions that are easy to maintain. The anodised aluminium lamellas are aerofoil shaped and are adjustable.

The Rund can be mounted end-to-end, accommodating very wide entrances such as shopping centres, airports or sports arenas.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016 (standard)  
Silver RAL9006 (standard)  
Any classic RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal  
Vertical

## Heating Options

Electric, LPHW  
Air only

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m 2.0m  
2.5m 3.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RUND M 1000 A	3.5	1980	0.318 / 1.41	55	42
RUND M 1500 A	3.5	2640	0.424 / 1.88	56	63
RUND M 2000 A	3.5	3960	0.636 / 2.82	57	79
RUND M 2500 A	3.5	4620	0.742 / 3.29	58	88
RUND M 3000 A	3.5	5280	0.848 / 3.76	59	99
RUND G 1000 A	3.8	2400	0.642 / 2.85	57	46
RUND G 1500 A	3.8	3200	0.856 / 3.80	58	68
RUND G 2000 A	3.8	4800	1.284 / 5.70	59	89
RUND G 2500 A	3.8	5600	1.498 / 6.65	60	98
RUND G 3000 A	3.8	6400	1.712 / 7.60	61	108
RUND ECG 1000 A	4.2	2700	0.225 / 1.95	61	46
RUND ECG 1500 A	4.2	3600	0.300 / 2.60	62	68
RUND ECG 2000 A	4.2	5400	0.450 / 3.90	63	89
RUND ECG 2500 A	4.2	6300	0.525 / 4.55	64	98
RUND ECG 3000 A	4.2	7200	0.600 / 5.20	65	108

\*Tested to Amca 220-05

## Electrically Heated

Model	Max mounting height (m)	*Airflow (m³/h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RUND M 1000 E	3.5	1980	9	0.318 / 1.41	55	49
RUND M 1500 E	3.5	2640	12	0.424 / 1.88	56	75
RUND M 2000 E	3.5	3960	18	0.636 / 2.82	57	97
RUND M 2500 E	3.5	4620	18	0.742 / 3.29	58	108
RUND M 3000 E	3.5	5280	24	0.848 / 3.76	59	119
RUND G 1000 E	3.8	2400	15	0.642 / 2.85	57	54
RUND G 1500 E	3.8	3200	22.5	0.856 / 3.80	58	81
RUND G 2000 E	3.8	4800	30	1.284 / 5.70	59	107
RUND G 2500 E	3.8	5600	30	1.498 / 6.65	60	118
RUND G 3000 E	3.8	6400	30	1.712 / 7.60	61	128
RUND ECG 1000 E	4.2	2700	15	0.225 / 1.95	61	54
RUND ECG 1500 E	4.2	3600	22.5	0.300 / 2.60	62	81
RUND ECG 2000 E	4.2	5400	30	0.450 / 3.90	63	107
RUND ECG 2500 E	4.2	6300	30	0.525 / 4.55	64	118
RUND ECG 3000 E	4.2	7200	30	0.600 / 5.20	65	128

## Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
RUND M 1000 P	3.5	1860	9.84	1000	9.22	4990	-	-	0.318/1.41	55	47
RUND M 1500 P	3.5	2480	14.23	760	13.65	6430	-	-	0.424/1.88	56	71
RUND M 2000 P	3.5	3720	22.17	2190	19.7	5470	-	-	0.636/2.82	57	90
RUND M 2500 P	3.5	4340	27.69	4000	23.48	4060	-	-	0.742/3.29	58	101
RUND M 3000 P	3.5	4960	33.15	6560	28.29	6730	-	-	0.848/3.76	59	112
RUND G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642/2.85	57	52
RUND G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856/3.80	58	77
RUND G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284/5.70	59	100
RUND G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498/6.65	60	109
RUND G 3000 P	3.8	6000	37.35	8110	32.1	8410	34.03	7180	1.712/7.60	61	119
RUND ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225/1.95	61	52
RUND ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300/2.60	62	77
RUND ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450/3.90	63	100
RUND ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525/4.55	64	109
RUND ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.600/5.20	65	119

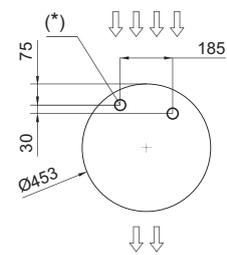
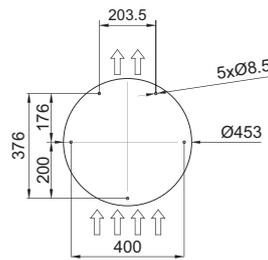
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

## Layouts and Dimensions

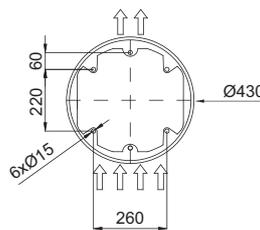
Vertical installation



Floor fixing points without foot



Floor fixing points with foot



	L
RUND 1000	1025
RUND 1500	1525
RUND 2000	2030
RUND 2500	2530
RUND 3000	2980

Horizontal installation



Ceiling mounted with threaded rods



Wall/ceiling mounted with angle supports



Wall mounted with lateral arms



Wall/ceiling mounted through arms

Floor mounted (goalpost)

# Zen

This designer, minimalist air curtain can be fitted with almost any type of custom fascia panels. Limitless finish options include any classic RAL colour, materials such as wood, stone, or embossed vinyl, corporate logos, lettering, functioning clocks, or signage. Let your inner designer go wild!

Unlike the conventional air curtain arrangement where air is discharged at right angles to the air inlet assembly, the air intake and discharge grille are in the same plane so air flows through the unit in a straight line.

The Zen is suitable for medium to large sized premises and, as they can be mounted end-to-end, they can accommodate very wide entrances such as shopping centres, airports or sports arenas.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

**Colours Available**

Anodised aluminium front panels, black forge central structure, other options available

**Fan Options**

AC fan (standard)  
EC fan (option)

**Mounting Options**

Horizontal  
Vertical

**Heating Options**

Electric, LPHW  
Air only

**Max Door Height**

4.2 m

**Lengths Available**

1.0m 1.5m 2.0m  
2.5m 3.0m  
Options to join 2 units



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
ZEN M 1000 A	3.5	1980	0.318/1.41	55	32
ZEN M 1500 A	3.5	2640	0.424/1.88	56	46
ZEN M 2000 A	3.5	3960	0.636/2.82	57	62
ZEN M 2500 A	3.5	4620	0.742/3.29	58	75
ZEN M 3000 A	3.5	5280	0.848/3.76	59	99
ZEN G 1000 A	3.8	2400	0.642/2.85	57	36
ZEN G 1500 A	3.8	3200	0.856/3.80	58	50
ZEN G 2000 A	3.8	4800	1.284/5.70	59	69
ZEN G 2500 A	3.8	5600	1.498/6.65	60	83
ZEN G 3000 A	3.8	6400	1.712/7.60	61	108
ZEN ECG 1000 A	4.2	2700	0.225/1.95	61	36
ZEN ECG 1500 A	4.2	3600	0.300/2.60	62	50
ZEN ECG 2000 A	4.2	5400	0.450/3.90	63	69
ZEN ECG 2500 A	4.2	6300	0.525/4.55	64	83
ZEN ECG 3000 A	4.2	7200	0.568/5.96	65	108

\*Airflow tested to Amca 220-05

## Electrically Heated

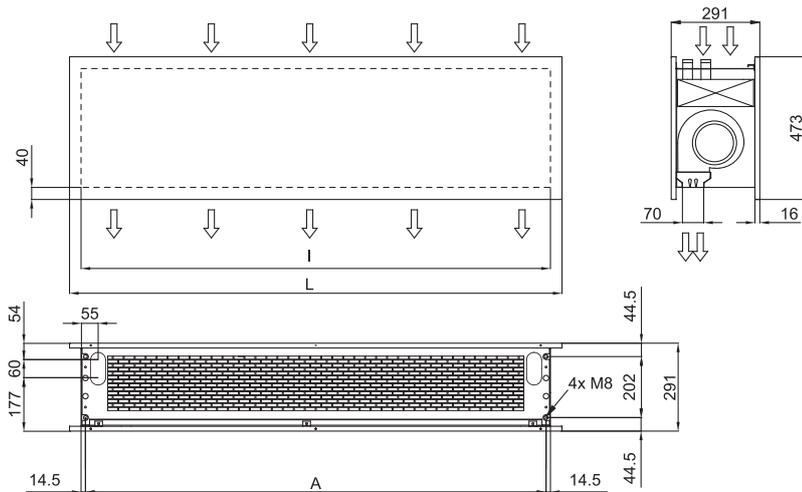
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ZEN M 1500 E	3.5	2640	12	0.424/1.88	56	58
ZEN M 2000 E	3.5	3960	18	0.636/2.82	57	77
ZEN M 2500 E	3.5	4620	18	0.742/3.29	58	94
ZEN M 3000 E	3.5	5280	24	0.848/3.76	59	119
ZEN G 1000 E	3.8	2400	15	0.642/2.85	57	43
ZEN G 1500 E	3.8	3200	22.5	0.856/3.80	58	62
ZEN G 2000 E	3.8	4800	30	1.284/5.70	59	85
ZEN G 2500 E	3.8	5600	30	1.498/6.65	60	103
ZEN G 3000 E	3.8	6400	30	1.712/7.60	61	128
ZEN ECG 1000 E	4.2	2700	15	0.225/1.95	61	43
ZEN ECG 1500 E	4.2	3600	22.5	0.300/2.60	62	62
ZEN ECG 2000 E	4.2	5400	30	0.450/3.90	63	85
ZEN ECG 2500 E	4.2	6300	30	0.525/4.55	64	103
ZEN ECG 3000 E	4.2	7200	30	0.568/5.96	65	128

## Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
ZEN M 1000 P	3.5	1860	9.04	1000	9.22	4990	-	-	0.318/1.41	55	37
ZEN M 1500 P	3.5	2480	14.23	760	13.65	6430	-	-	0.424/1.88	56	53
ZEN M 2000 P	3.5	3720	22.17	2190	19.7	5470	-	-	0.636/2.82	57	71
ZEN M 2500 P	3.5	4340	27.69	4000	23.48	4060	-	-	0.742/3.29	58	86
ZEN M 3000 P	3.5	4960	33.15	6560	28.29	6730	-	-	0.848/3.76	59	112
ZEN G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642/2.85	57	40
ZEN G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856/3.80	58	57
ZEN G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284/5.70	59	78
ZEN G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498/6.65	60	95
ZEN G 3000 P	3.8	6000	37.35	8110	32.10	8410	34.03	5450	1.712/7.60	61	119
ZEN ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225/1.95	61	40
ZEN ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300/2.60	62	57
ZEN ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450/3.90	63	78
ZEN ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525/4.55	64	95
ZEN ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.568/5.96	65	119

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

## Layouts and Dimensions

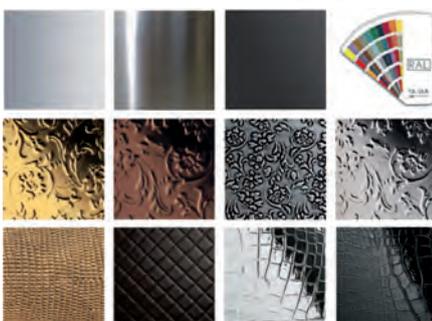
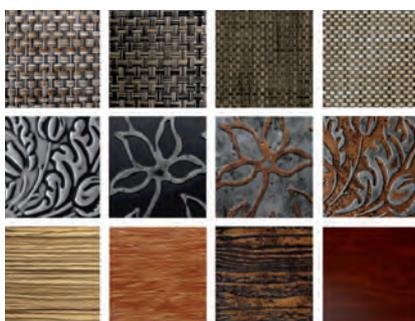


	L	I	A	B
Zen 1000	1220	1140	1115	-
Zen 1500	1620	1544	1515	-
Zen 2000	2120	2044	2015	-
Zen 2500	2620	2544	2515	-
Zen 3000	2960	2884	2855	1427.5

## Examples of finishes






- Any classic RAL colour or metal
- Different materials: aluminium, stainless steel AISI 304 (brushed or polished), wood, glass, PVC/PES, etc.
- Logos, lights, clocks, signs, vinyls, patterns, etc.

# Windbox

The Windbox offers a functional design with many features, from energy saving controls to special finishes.

Low noise centrifugal double inlet fans are driven by an external rotor motor with a built in thermal protection contact. The perforated inlet grilles have filter functions that are easy to maintain. A low turbulence discharge nozzle with a double blow-out vane is aerofoil shaped and can be adjustable from 0 to 15° on either side.

The Windbox is suitable for medium to large sized premises and, as they can be mounted end-to-end, they can accommodate very wide entrances such as shopping centres, airports or sports arenas.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016 (standard)  
Any classic RAL colour

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal  
Vertical

## Heating Options

Electric, LPHW  
Air only

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m 2.0m  
2.5m 3.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
M 1000	3.5	1800	0.212/0.94	55	31
M 1500 A	3.5	2700	0.318/1.41	56	46
M 2000 A	3.5	3600	0.424/1.88	57	58
M 2500 A	3.5	4500	0.530/2.35	58	72
M 3000 A	3.5	5400	0.636/2.82	59	86
ECM 1000 A	3.5	1840	0.132/1.14	56	31
ECM 1500 A	3.5	2760	0.198/1.71	57	46
ECM 2000 A	3.5	3680	0.264/2.28	58	58
ECM 2500 A	3.5	4600	0.330/2.85	59	72
ECM 3000 A	3.5	5520	0.396/3.42	60	86
G 1000 A	3.8	2400	0.642/2.85	57	43
G 1500 A	3.8	3200	0.856/3.80	58	51
G 2000 A	3.8	4800	1.284/5.70	59	80
G 2500 A	3.8	5600	1.498/6.65	60	84
G 3000 A	3.8	6400	1.712/7.60	61	95
ECG 1000 A	4.2	2700	0.225/1.95	61	43
ECG 1500 A	4.2	3600	0.300/2.60	62	51
ECG 2000 A	4.2	5400	0.450/3.90	63	80
ECG 2500 A	4.2	6300	0.525/4.55	64	84
ECG 3000 A	4.2	7200	0.600/5.20	65	95

\*Tested to Amca 220-05

## Electrically Heated

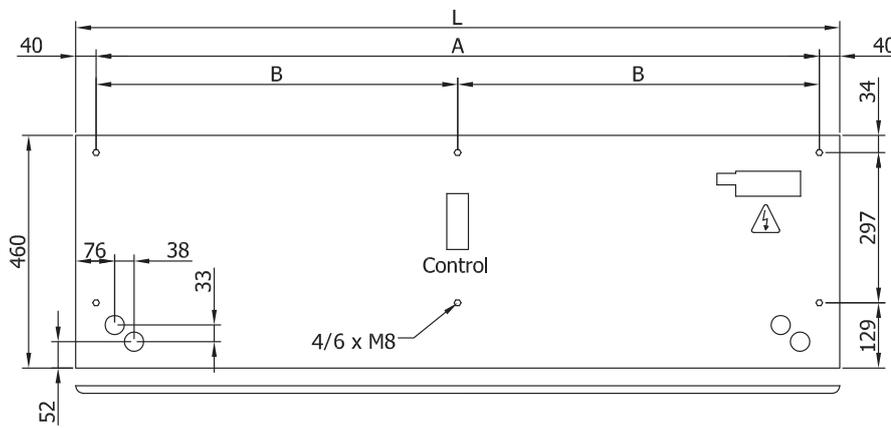
Model	Max mounting height (m)	*Airflow (m³/h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
M 1000 E	3.5	1800	9	0.212 / 0.94	55	37
M 1500 E	3.5	2700	12	0.318 / 1.41	56	57
M 2000 E	3.5	3600	18	0.424 / 1.88	57	75
M 2500 E	3.5	4500	18	0.530 / 2.35	58	94
M 3000 E	3.5	5400	24	0.636 / 2.82	59	112
ECM 1000 E	3.5	1840	9	0.132 / 1.14	56	37
ECM 1500 E	3.5	2760	12	0.198 / 1.71	57	57
ECM 2000 E	3.5	3680	18	0.264 / 2.28	58	75
ECM 2500 E	3.5	4600	18	0.330 / 2.85	59	94
ECM 3000 E	3.5	5520	24	0.396 / 3.42	60	112
G 1000 E	3.8	2400	15	0.642 / 2.85	57	52
G 1500 E	3.8	3200	22.5	0.856 / 3.80	58	63
G 2000 E	3.8	4800	30	1.284 / 5.70	59	100
G 2500 E	3.8	5600	30	1.498 / 6.65	60	106
G 3000 E	3.8	6400	30	1.712 / 7.60	61	120
ECG 1000 E	4.2	2700	15	0.225 / 1.95	61	52
ECG 1500 E	4.2	3600	22.5	0.300 / 2.60	62	63
ECG 2000 E	4.2	5400	30	0.450 / 3.90	63	100
ECG 2500 E	4.2	6300	30	0.525 / 4.55	64	106
ECG 3000 E	4.2	7200	30	0.600 / 5.20	65	120

## Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
M 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428 / 1.90	56	35
M 1500 P	3.5	2490	14.26	750	13.69	6460	14.34	4480	0.642 / 2.85	57	53
M 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856 / 3.80	58	69
M 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.070 / 4.75	59	86
M 3000 P	3.5	4980	33.24	6590	28.37	6760	29.77	5660	1.280 / 5.70	60	103
ECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.132 / 1.14	56	35
ECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.198 / 1.71	57	53
ECM 2000 P	3.5	3440	21.12	2010	18.7	4990	19.13	2150	0.264 / 2.28	58	69
ECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.330 / 2.85	59	86
ECM 3000 P	3.5	5160	40	6860	29.05	7050	30.54	5920	0.396 / 3.42	60	103
G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	57	50
G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	58	59
G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	59	92
G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	60	96
G 3000 P	3.8	6000	37.35	8110	32.1	8410	34.03	7180	1.712 / 7.60	61	109
ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225 / 1.95	61	50
ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	62	59
ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	63	92
ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	64	96
ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.600 / 5.20	65	109

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

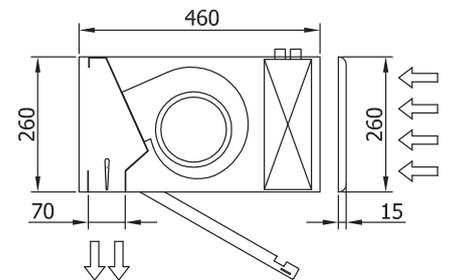
## Layouts and Dimensions



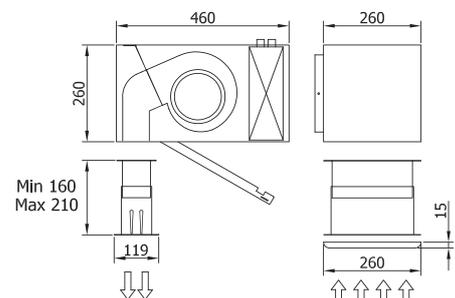
Free hanging mounting



Concealed mounting



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460



# Smart

The Smart air curtain offers a stylish, discreet and contemporary design that blends effortlessly into any interior.

The smooth front panel hides the air intake grille from view which can be customised to client requirements, for example with logos, lighting or safety information. Low noise centrifugal inlet fans are driven by an external rotor motor with a built in thermal protection contact.

This air curtain is suitable for commercial and industrial buildings. Using air curtains in these types of situations makes internal temperature control more practical, as heat loss through these often open doors is significantly reduced.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016 (standard)  
Any classic RAL colour

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal

## Heating Options

Electric, LPHW  
Air only

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m  
2.0m 2.5m  
3.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m <sup>3</sup> /h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
SMART M 1000 A	3.5	1800	0.212 / 0.94	53	34
SMART M 1500 A	3.5	2700	0.318 / 1.41	54	50
SMART M 2000 A	3.5	3600	0.424 / 1.88	55	62
SMART M 2500 A	3.5	4500	0.530 / 2.35	56	66
SMART M 3000 A	3.5	5400	0.636 / 2.82	57	76
SMART ECM 1000 A	3.5	1840	0.132 / 1.14	54	34
SMART ECM 1500 A	3.5	2760	0.198 / 1.71	55	50
SMART ECM 2000 A	3.5	3680	0.264 / 2.28	56	62
SMART ECM 2500 A	3.5	4600	0.330 / 2.85	57	66
SMART ECM 3000 A	3.5	5520	0.396 / 3.42	58	76
SMART G 1000 A	3.8	2400	0.642 / 2.85	55	38
SMART G 1500 A	3.8	3200	0.856 / 3.80	56	55
SMART G 2000 A	3.8	4800	1.284 / 5.70	57	72
SMART G 2500 A	3.8	5600	1.498 / 6.65	58	76
SMART G 3000 A	3.8	6400	1.712 / 7.60	59	86
SMART ECG 1000 A	4.2	2700	0.225 / 1.95	59	38
SMART ECG 1500 A	4.2	3600	0.300 / 2.60	60	55
SMART ECG 2000 A	4.2	5400	0.450 / 3.90	61	72
SMART ECG 2500 A	4.2	6300	0.525 / 4.55	62	76
SMART ECG 3000 A	4.2	7200	0.600 / 5.20	63	86

\*Tested to Amca 220-05

## Electrically Heated

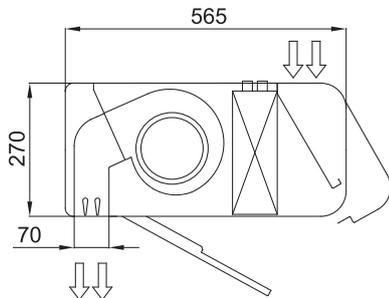
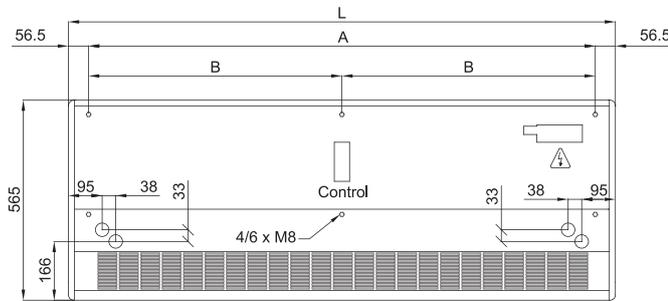
Model	Max mounting height (m)	*Airflow (m <sup>3</sup> /h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
SMART M 1000 E	3.5	1800	9	0.212 / 0.94	53	41
SMART M 1500 E	3.5	2700	12	0.318 / 1.41	54	62
SMART M 2000 E	3.5	3600	18	0.424 / 1.88	55	80
SMART M 2500 E	3.5	4500	18	0.530 / 2.35	56	86
SMART M 3000 E	3.5	5400	24	0.636 / 2.82	57	99
SMART ECM 1000 E	3.5	1840	9	0.132 / 1.14	54	41
SMART ECM 1500 E	3.5	2760	12	0.198 / 1.71	55	62
SMART ECM 2000 E	3.5	3680	18	0.264 / 2.28	56	80
SMART ECM 2500 E	3.5	4600	18	0.330 / 2.85	57	86
SMART ECM 3000 E	3.5	5520	24	0.396 / 3.42	58	99
SMART G 1000 E	3.8	2400	15	0.642 / 2.85	55	46
SMART G 1500 E	3.8	3200	22.5	0.856 / 3.80	56	68
SMART G 2000 E	3.8	4800	30	1.284 / 5.70	57	90
SMART G 2500 E	3.8	5600	30	1.498 / 6.65	58	96
SMART G 3000 E	3.8	6400	30	1.712 / 7.60	59	109
SMART ECG 1000 E	4.2	2700	15	0.225 / 1.95	59	46
SMART ECG 1500 E	4.2	3600	22.5	0.300 / 2.60	60	68
SMART ECG 2000 E	4.2	5400	30	0.450 / 3.90	61	90
SMART ECG 2500 E	4.2	6300	30	0.525 / 4.55	62	96
SMART ECG 3000 E	4.2	7200	30	0.600 / 5.20	63	109

## Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
SMART M 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428 / 1.90	54	39
SMART M 1500 P	3.5	2490	14.26	760	13.69	6460	14.34	4480	0.642 / 2.85	55	58
SMART M 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856 / 3.80	56	73
SMART M 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.070 / 4.75	57	79
SMART M 3000 P	3.5	4980	33.24	6590	28.37	6760	29.77	5660	1.280 / 5.70	58	91
SMART ECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.132 / 1.14	54	39
SMART ECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.198 / 1.71	55	58
SMART ECM 2000 P	3.5	3440	21.12	2010	18.7	4990	19.13	2150	0.264 / 2.28	56	73
SMART ECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.330 / 2.85	57	79
SMART ECM 3000 P	3.5	5160	40	6860	29.05	7050	30.54	5920	0.396 / 3.42	58	91
SMART G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	55	44
SMART G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	56	64
SMART G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	57	83
SMART G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	58	87
SMART G 3000 P	3.8	6000	37.35	8110	32.1	8410	34.03	7180	1.712 / 7.60	59	99
SMART ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225 / 1.95	59	44
SMART ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	60	64
SMART ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	61	83
SMART ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	62	87
SMART ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.600 / 5.20	63	99

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

## Layouts and Dimensions



	L	I	A
Smart 1000	1034	920	-
Smart 1500	1534	1420	710
Smart 2000	2034	1920	960
Smart 2500	2534	2420	1210
Smart 3000	3034	2920	1460

# Essensse Neo

A low profile air curtain designed for horizontal installation at the entry doorways of retail shops, restaurants, office buildings and banks.

This next generation Essensse Neo air curtain uses a cross-flow fan with 3-speed AC motor, or a new energy-efficient EC motor, controlled using PWM. Through its unique "straw system" outlet, air is released steadily at high pressure to provide the best possible seal across any doorway.

The inlet grille sits towards the top of the air curtain to provide a cleaner front face. It can be periodically wiped or vacuumed, ensuring easy maintenance.

The air curtain features our integrated AirGENIO PRIME control system. This allows for automatic control with manual override. This is a more sophisticated control system which maximises the air curtain's efficiency while reducing energy usage.



Option available

## Colours Available

White RAL9016 (standard)  
Any RAL colour

## Fan Options

AC fan  
EC fan

## Mounting Options

Horizontal

## Heating Options

Electric  
LPHW

## Max Door Height

2.8 m

## Lengths Available

1.0m 1.5m  
2.0m 2.5m



## Electrically Heated

Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Electrical heating 400Vx3-50Hz kW	Power/current fans kW/A	Noise level (@3m) dB(A)	Weight kg
VCES4 B 100-E1AC	2.8	1350	6.3	0.14/0.6	47	24.4
VCES4 B 150-E1AC	2.8	2200	10	0.21/0.9	48	30.4
VCES4 B 200-E1AC	2.8	3000	12.6	0.32/1.4	50	38.4
VCES4 B 250-E1AC	2.8	3500	16	0.41/2.0	50	45.4
VCES4 B 100-E2AC	2.8	1350	9.5	0.14/0.6	47	24.4
VCES4 B 150-E2AC	2.8	2200	15	0.21/0.9	48	30.4
VCES4 B 200-E2AC	2.8	3000	19	0.32/1.4	50	38.4
VCES4 B 250-E2AC	2.8	3500	24.5	0.41/2.0	50	45.4
VCES4 B 100-E1EC	2.8	2000	6.3	0.3/2.4	54	23.2
VCES4 B 150-E1EC	2.8	2700	10	0.4/3.0	54	29.6
VCES4 B 200-E1EC	2.8	3900	12.6	0.44/3.4	55	34.5
VCES4 B 250-E1EC	2.8	4800	16	0.44/3.4	56	41.5
VCES4 B 100-E2EC	2.8	2000	9.5	0.3/2.4	54	23.2
VCES4 B 150-E2EC	2.8	2700	15	0.4/3.0	54	29.6
VCES4 B 200-E2EC	2.8	3900	19	0.44/3.4	55	34.5
VCES4 B 250-E2EC	2.8	4800	24.5	0.44/3.4	56	41.5

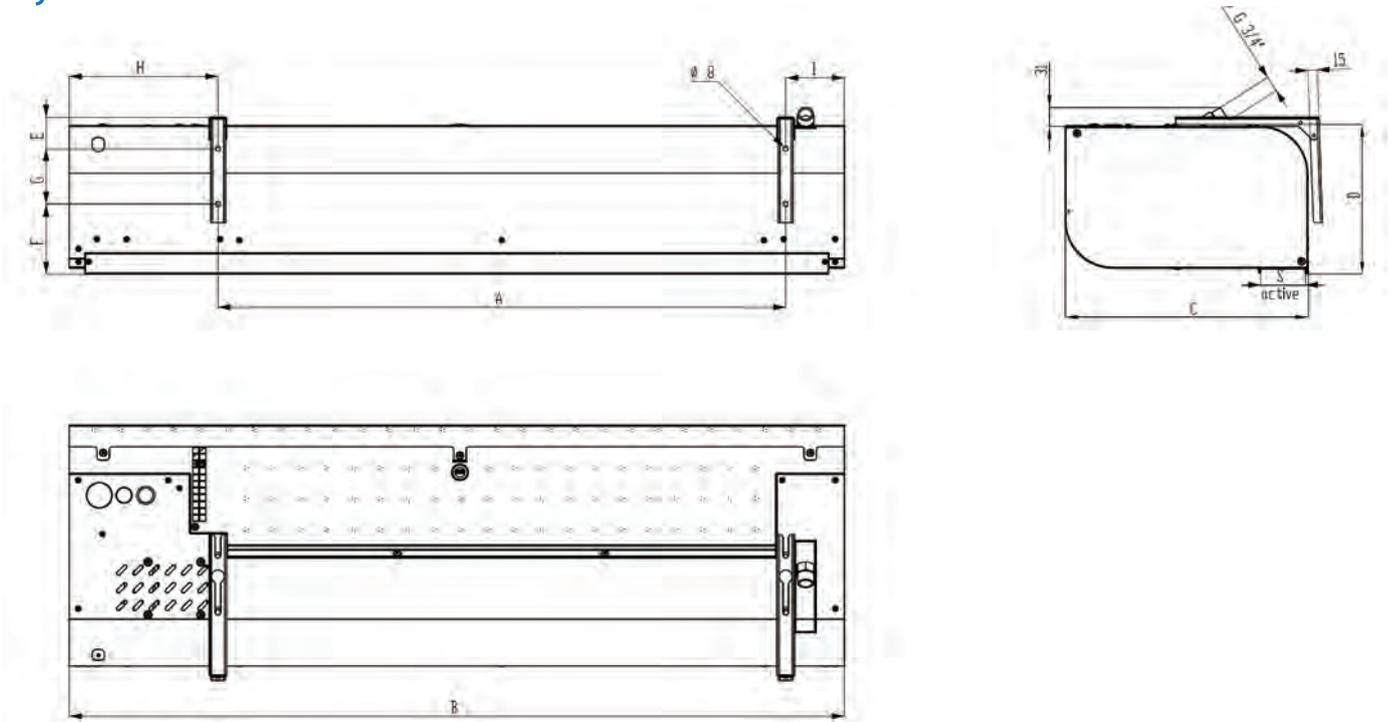
\* 1 Airflow volume according ISO27327-1

Water Heated

Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Water heating capacity 80/60°C kW	Water drop pressure 80/60°C Pa	Water heating capacity 60/40°C kW	Water drop pressure 60/40°C Pa	Power/current fans 230V-50Hz kW/A	Noise level (@3m)dB(A)	Weight kg
VCES4 B 100-V2AC	2.8	1300	13.2	10500	7.4	3800	0.14/0.6	47	25.6
VCES4 B 150-V2AC	2.8	2000	19.4	7300	10.8	2500	0.21/0.9	48	32.1
VCES4 B 200-V2AC	2.8	2950	27.9	10200	15.6	3500	0.32/1.4	50	41.6
VCES4 B 250-V2AC	2.8	3700	35.3	17200	20.1	6200	0.41/2.0	51	48.6
VCES4 B 100-V2EC	2.8	1750	15.4	14000	8.6	5000	0.3/2.4	51	24.4
VCES4 B 150-V2EC	2.8	2450	21.5	8900	11.9	3000	0.4/3.0	51	31.3
VCES4 B 200-V2EC	2.8	3550	30.7	12200	17.1	4200	0.44/3.4	54	37.7
VCES4 B 250-V2EC	2.8	4200	37.7	19400	21.3	6900	0.44/3.4	55	44.7

\* 1 Airflow volume according ISO27327-1

Layouts and Dimensions



	A	B	C	D	E	F	G	H	I
VCES4 B 100	916	1252	407	252	51	111	90	240	95
VCES4 B 150	1325	1660	407	252	51	111	90	240	95
VCES4 B 200	1825	2160	407	252	51	111	90	240	95
VCES4 B 250	2235	2570	407	252	51	111	90	240	95

# Mini Optima

This compact elegant air curtain with its slim design and curved end panels, make it an unobtrusive addition to any doorway.

A micro-perforated inlet grille will filter the air entering the unit, avoiding the need to routinely replace or clean internal air filters. All the inlet grille requires for maintenance is a periodic wipe or vacuum.

The Mini Optima is ideal for small and mid-sized premises such as shops, offices, restaurants and other public buildings. Its external casing is customisable in any RAL colour to adapt to the internal aesthetics of any premises.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 2 fan speed selections and 3 heater stages for electrically heated units, or 2 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour

## Fan Options

AC fan

## Mounting Options

Horizontal

## Heating Options

Electric, LPHW  
Air Only

## Max Door Height

2.8 m

## Lengths Available

1.0m 1.5m  
2.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
OPT 1000 A	2.8	1500	0.080 / 0.41	35/50	17.5
OPT 1500 A	2.8	2150	0.117 / 0.53	36/51	25.5
OPT 2000 A	2.8	2900	0.160 / 0.82	38/53	33

\*Tested to Amca 220-05

## Water Heated

Model	Max mounting height (m)	*Airflow (m³/h)	Heating capacity 80/60°C (kW)	Water Drop Pressure (Pa)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
OPT 1000 P	2.8	1400	8.2	7090	0.080 / 0.41	37/51	20.5
OPT 1500 P	2.8	2100	12.7	7200	0.117 / 0.53	38/52	27.5
OPT 2000 P	2.8	2750	16.7	6550	0.160 / 0.82	40/54	37.5

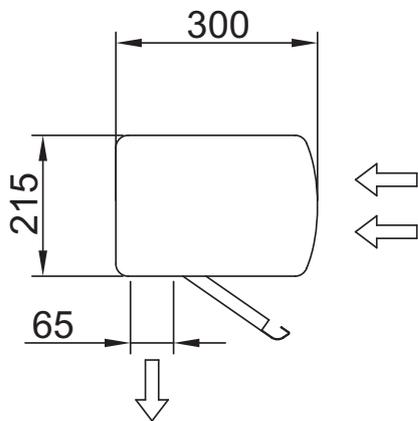
Water heated: connection pipes 1/2" female. 2 rows coil. \*Tested to Amca 220-05

## Electrically Heated

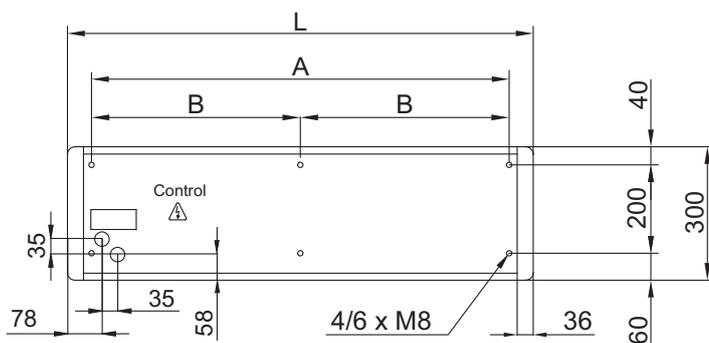
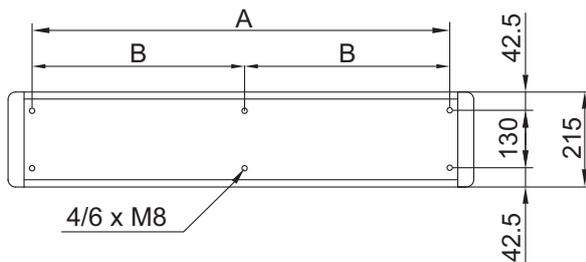
Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Electrical heating capacity (kW)	Electrical heating voltage (V)	Electrical heating current (A)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
OPT 1000 E400	2.8	1500	5.6	400Vx3	5.8/8.7	0.080 / 0.41	35/50	20.5
OPT 1000 E9	2.8	1500	9	400Vx3	8.7/13	0.080 / 0.41	35/50	21.5
OPT 1000 E230	2.8	1500	5.6	230Vx1	16.5/24.5	0.080 / 0.41	35/50	20.5
OPT 1500 E400	2.8	2150	9	400Vx3	8.7/13	0.117 / 0.53	36/51	27.5
OPT 1500 E230-6	2.8	2150	5.6	230Vx1	16.5/24.5	0.117 / 0.53	36/51	27.5
OPT 1500 E230-9	2.8	2150	9	230Vx1*	26/39.1	0.117 / 0.53	36/51	27.5
OPT 2000 E400	2.8	2900	11.3	400Vx3	8.1/16.3	0.160 / 0.82	38/53	42
OPT 2000 E230	2.8	2900	11.3	230Vx1*	24.5/49.1	0.160 / 0.82	38/53	42

\*2 separate 230V power supplies are required.

## Layouts and Dimensions



	L	A	B
OPT 1000	1050	940	-
OPT 1500	1550	1440	-
OPT 2000	2050	1940	970



# Aris

The Aris is a stylish, contemporary air curtain designed to easily adapt to any interior. Its smooth front panel can be customised with logos, lighting, or safety information, blending aesthetics with functionality. The inlet grille is hidden in the upper part, thus avoiding the internal vision of the air curtain and the filter, making it a top air curtain for commercial entrances up to 3.5 meters high, without clashing with the interior architecture and design of the premises.

The self-supporting steel casing has rounded edges with plastic side covers, finished in white RAL9016 as standard, with other colours available upon request. A hidden top air entrance keeps the inlet grille out of sight, while anodized aluminum airfoil-shaped outlet vanes ensure optimal airflow.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 2 fan speed selections and 3 heater stages for electrically heated units, or 2 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour



## Fan Options

AC fan

## Mounting Options

Horizontal



## Heating Options

Electric, LPHW  
Air Only

## Max Door Height

3.5 m



## Lengths Available

1.0m 1.5m  
2.0m



## Air Only

Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Power/current fans kW/A	Noise level (@3m) dB(A)	Weight kg
ARIS 1000 A	3.5	1900	0.123/0.59	37/52	20.5
ARIS 1500 A	3.5	2800	0.207/0.96	38/53	32
ARIS 2000 A	3.5	3800	0.253/1.18	39/54	39

## Electrically Heated

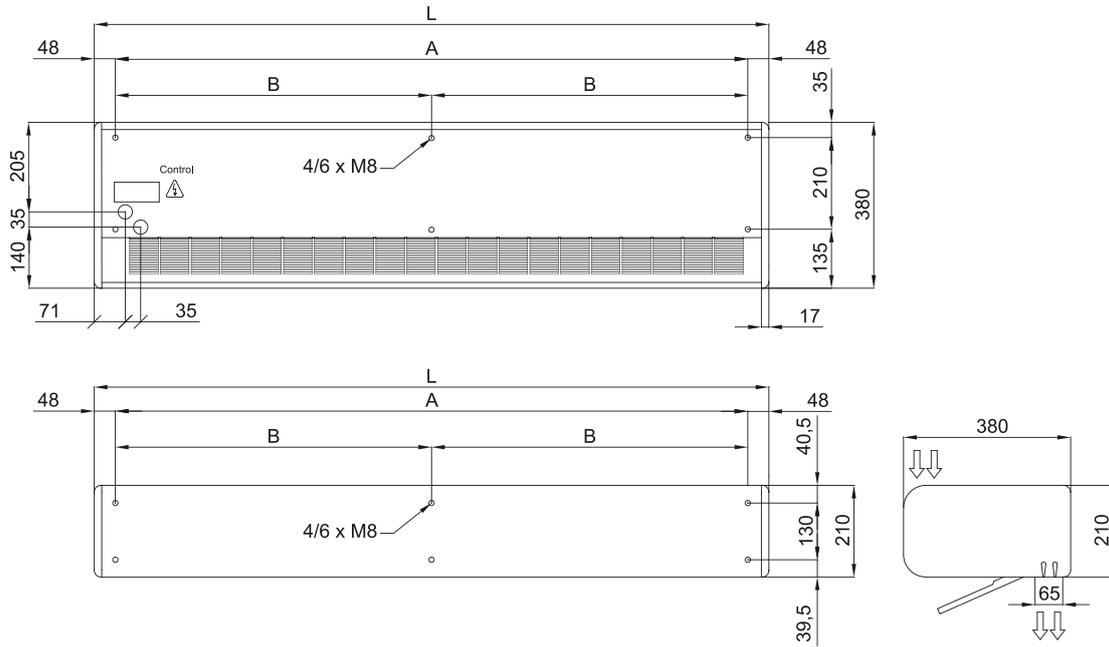
Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Electrical heating 400Vx3-50Hz kW	Power/current fans kW/A	Noise level (@3m) dB(A)	Weight kg
ARIS 1000 E	3.5	1800	9	0.131/0.59	37/52	24.5
ARIS 1500 E	3.5	2800	12	0.207/0.96	38/53	35
ARIS 2000 E	3.5	3600	18	0.253/1.18	39/54	50

### Water Heated

Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Water heating capacity 80/60°C kW	Water drop pressure 80/60°C Pa	Water heating capacity 60/40°C kW	Water drop pressure 60/40°C Pa	Power/current fans 230V-50Hz kW/A	Noise level (@3m)dB(A)	Weight kg
ARIS 1000 P86	3.5	1750	9.3	7630			0.116/0.53	39/53	23.5
ARIS 1000 P64	3.5	1600			7.0	7630	0.107/0.48	39/53	23.5
ARIS 1500 P86	3.5	2625	14.5	7750			0.187/0.86	40/54	34
ARIS 1500 P64	3.5	2350			10.6	7050	0.172/0.83	40/54	35
ARIS 2000 P86	3.5	3500	19.3	7140			0.222/1.03	41/55	43.5
ARIS 2000 P64	3.5	3200			14.3	6740	0.206/0.98	41/55	43.5

Water heated: connection pipes 1/2" female. P86 of 2 rows coil. P64 of 3 rows coil. \*Tested to Amca 220-05

### Layouts and Dimensions



	L	A	B
ARIS 1000	1034	940	-
ARIS 1500	1534	1440	-
ARIS 2000	2034	1940	970

# Standesse

A smart looking air curtain with fast-heat wire elements that provide increased performance and energy savings.

The FACE 2 in 1 suction grille and filter technology prevents particles from entering the air curtain, removing the need for a separate internal filter, facilitating easy maintenance and cleaning. The grille can be easily brushed or vacuumed.

The Standesse is ideal for use in premises, such as banks, luxury shops, shopping centres, airports and office buildings.

The AirGENIO comfort controller is supplied as standard, which offers automatic control with manual override to adjust the air curtain's performance efficiently to any application. Option to upgrade to the advanced AirGENIO superior controller, which offers modulating heat output for both electric and water heaters using a suitable valve.



## Colours Available

White RAL9016 (standard)  
Any RAL colour



## Fan Options

AC fan  
EC fan

## Mounting Options

Horizontal



## Heating Options

Electric  
LPHW

## Max Door Height

4.2m



## Lengths Available

1.0m 1.5m  
2.0m 2.5m



## Electrically Heated

Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Electrical heating 400Vx3-50Hz kW	Power/current fans kW/A	Noise level (@3m) dB(A)	Weight kg
VCS4B-10E	3.5	1589	9.5	0.63 / 2.85	56	46
VCS4B-15E	3.5	2476	15	1 / 4.4	59	63
VCS4B-20E	3.5	3362	19	1.3 / 5.7	60	81
VCS4B-25E	3.5	3991	24.5	1.6 / 7	61	99
VCST4B100-E1EC	3.5	1900	9.5	0.34 / 2.4	53	42
VCST4B150-E1EC	3.5	2800	15	0.5 / 3.4	54	57
VCST4B200-E1EC	3.5	3800	19	0.68 / 4.4	56	73
VCST4B250-E1EC	3.5	4700	24.5	0.85 / 5.4	58	89
VCS4C-10E	4.2	2262	9.5	0.95 / 4	60	53
VCS4C-15E	4.2	3272	15	1.35 / 5.60	60	68
VCS4C-20E	4.2	4080	19	1.7 / 7	60	86
VCS4C-25E	4.2	4888	24.5	2 / 8.7	61	110
VCST4C100-E1EC	4.2	2550	9.5	0.5 / 3.3	56	47
VCST4C150-E1EC	4.2	3650	15	0.68 / 4.5	57	61
VCST4C200-E1EC	4.2	4650	19	0.84 / 5.3	58	77
VCST4C250-E1EC	4.2	6400	24.5	1.2 / 7.2	59	101

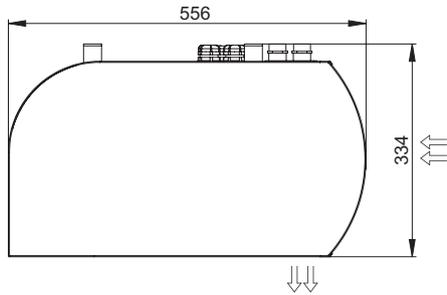
\*Tested to ISO 27327-1

Water Heated

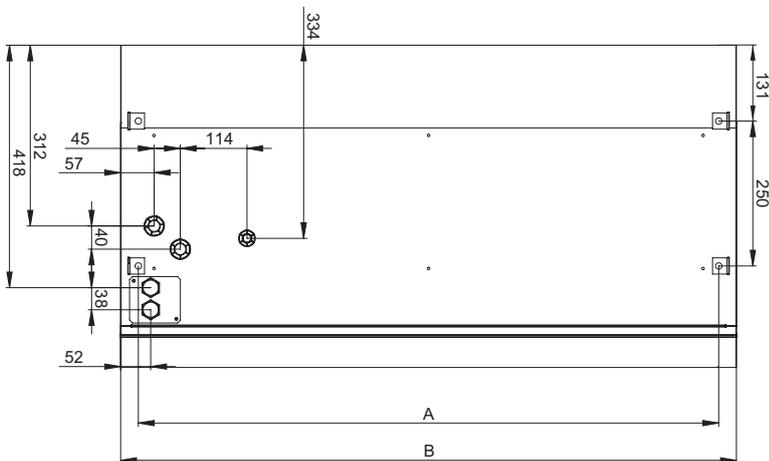
Model	Max mounting height m	Airflow m <sup>3</sup> /h*	Water heating capacity 80/60°C kW	Water drop pressure 80/60°C Pa	Water heating capacity 60/40°C kW	Water drop pressure 60/40°C Pa	Power/current fans 230V-50Hz kW/A	Noise level (@3m)dB(A)	Weight kg
VCS4B-10V	3.5	1552	17.7	4700	9.7	1600	0.65 / 2.85	56	48
VCS4B-15V	3.5	2439	26.7	3300	14.1	1000	1 / 4.4	58	65
VCS4B-20V	3.5	3257	37.4	6900	20.7	2300	1.3 / 5.7	59	83
VCS4B-25V	3.5	3880	45.7	10800	25.9	3800	1.6 / 7	61	97
VCST4B100-V2EC	3.5	1850	19.7	5700	10.8	1900	0.34 / 2.4	53	44
VCST4B150-V2EC	3.5	2700	28.5	3800	15.1	1200	0.5 / 3.4	55	59
VCST4B200-V2EC	3.5	3700	40.5	8100	22.3	2700	0.68 / 4.4	56	75
VCST4B250-V2EC	3.5	4500	50.2	12900	28.2	4500	0.85 / 5.4	57	87
VCS4C-10V	4.2	2222	22.0	7000	12.0	2300	0.95 / 4	59	55
VCS4C-15V	4.2	3151	31.2	4500	16.4	1400	1.35 / 5.60	60	70
VCS4C-20V	4.2	3878	41.7	8500	23.0	2800	1.7 / 7	60	88
VCS4C-25V	4.2	4808	52.3	13900	29.3	4800	2 / 8.7	61	108
VCST4C100-V2EC	4.2	2400	23.3	7800	12.6	2600	0.5 / 3.3	57	49
VCST4C150-V2EC	4.2	3500	33.2	5000	17.4	1500	0.68 / 4.5	57	63
VCST4C200-V2EC	4.2	4550	45.6	10100	25.0	3300	0.84 / 5.3	58	79
VCST4C250-V2EC	4.2	5900	59.1	17600	32.9	6000	1.2 / 7.2	58	99

2 x 3/4" connections.  
 Sound pressure measured 3m from the air curtain intake. Air intake air temperature 18°C.

Layouts and Dimensions



	A	B
VCS4-10X-	994	1054
VCS4-15X-	1494	1554
VCS4-20X-	1994	2054
VCS4-25X-	2394	2454



# DAM

The DAM is a versatile air curtain designed for performance and modern aesthetics. Its clean front panel replaces the traditional grille and can be customised with logos, signage, or graphics, making it ideal for visible installations. The double air inlet areas are located behind the front panel avoiding intensive maintenance.

Equipped with low-noise, double-inlet centrifugal fans and external rotor motors, DAM is also available in EC versions with ultra-efficient fans. It offers multiple heating options - water, electric, or air-only.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Stainless Steel  
Any classic RAL colour

## Fan Options

AC fan  
EC fan

## Mounting Options

Horizontal  
Vertical

## Heating Options

Electric, LPHW  
Air Only

## Max Door Height

4.2m

## Lengths Available

1.0m 1.5m 2.0m  
2.5m 3.0m



## Air Only

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Ventilation power (kW)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
DAM M 1000 A	3.5	1800	0.212	0.94	55	38
DAM M 1500 A	3.5	2700	0.318	1.41	56	56
DAM M 2000 A	3.5	3600	0.424	1.88	57	70
DAM M 2500 A	3.5	4500	0.53	2.35	58	76
DAM M 3000 A	3.5	5400	0.636	2.82	59	88
DAM ECM 1000 A	3.5	1840	0.142	1.24	56	38
DAM ECM 1500 A	3.5	2760	0.213	1.86	57	56
DAM ECM 2000 A	3.5	3680	0.284	2.48	58	70
DAM ECM 2500 A	3.5	4600	0.355	3.1	59	76
DAM ECM 3000 A	3.5	5520	0.426	3.72	60	88
DAM G 1000 A	3.8	2400	0.642	2.85	57	42
DAM G 1500 A	3.8	3200	0.856	3.8	58	61
DAM G 2000 A	3.8	4800	1.284	5.7	59	80
DAM G 2500 A	3.8	5600	1.498	6.65	60	86
DAM G 3000 A	3.8	6400	1.712	7.6	61	98
DAM ECG 1000 A	4.2	2700	0.213	1.86	61	42
DAM ECG 1500 A	4.2	3600	0.284	2.48	62	61
DAM ECG 2000 A	4.2	5400	0.426	3.72	63	80
DAM ECG 2500 A	4.2	6300	0.497	4.34	64	86
DAM ECG 3000 A	4.2	7200	0.568	5.96	65	98

### Electrically Heated

Model	Max mounting height (m)	Airflow (m³/h)	Electrical heating capacity (kW)	Ventilation power (kW)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
DAM M 1000 E	3.5	1800	9	0.212	0.94	55	45
DAM M 1500 E	3.5	2700	12	0.318	1.41	56	68
DAM M 2000 E	3.5	3600	18	0.424	1.88	57	88
DAM M 2500 E	3.5	4500	18	0.53	2.35	58	96
DAM M 3000 E	3.5	5400	24	0.636	2.82	59	111
DAM ECM 1000 E	3.5	1840	9	0.142	1.24	56	45
DAM ECM 1500 E	3.5	2760	12	0.213	1.86	57	68
DAM ECM 2000 E	3.5	3680	18	0.284	2.48	58	88
DAM ECM 2500 E	3.5	4600	18	0.355	3.1	59	96
DAM ECM 3000 E	3.5	5520	24	0.426	3.72	60	111
DAM G 1000 E	3.8	2400	15	0.642	2.85	57	50
DAM G 1500 E	3.8	3200	22.5	0.856	3.8	58	74
DAM G 2000 E	3.8	4800	30	1.284	5.7	59	98
DAM G 2500 E	3.8	5600	30	1.498	6.65	60	106
DAM G 3000 E	3.8	6400	30	1.712	7.6	61	121
DAM ECG 1000 E	4.2	2700	15	0.213	1.86	61	50
DAM ECG 1500 E	4.2	3600	22.5	0.284	2.48	62	74
DAM ECG 2000 E	4.2	5400	30	0.426	3.72	63	98
DAM ECG 2500 E	4.2	6300	30	0.497	4.34	64	106
DAM ECG 3000 E	4.2	7200	30	0.568	5.96	65	121

### Water Heated

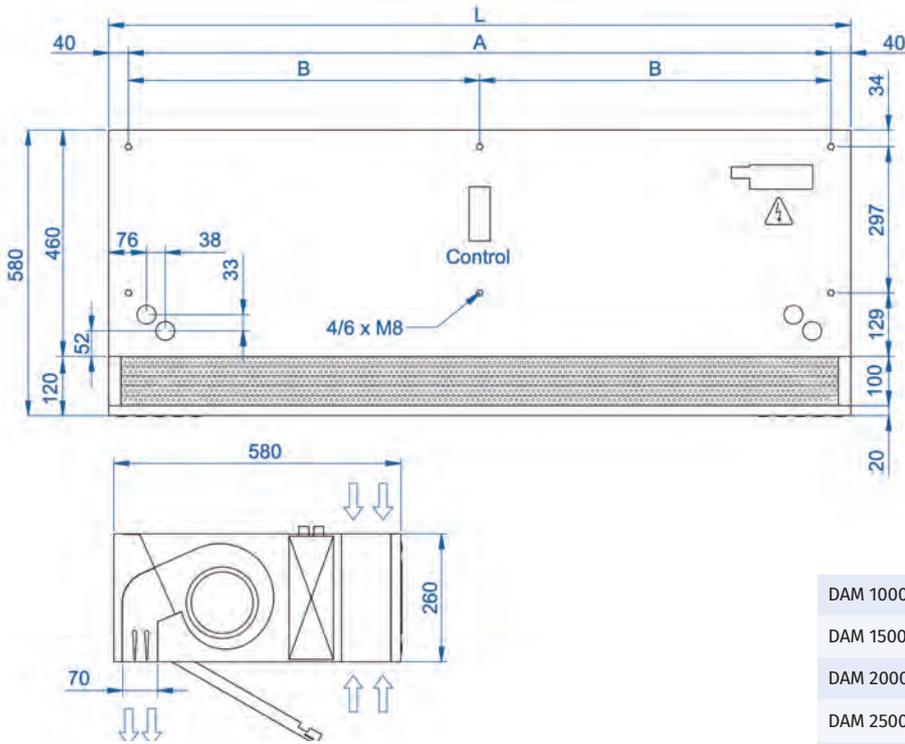
Model	Max mounting height(m)	Airflow (m³/h)	Water heating capacity (kW)	Water pressure drop (Pa)	Water heating capacity (kW)	Water pressure drop (Pa)	Water heating capacity (kW)	Water pressure drop (Pa)	Ventilation power (kW)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
DAM M 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428	1.9	56	43
DAM M 1500 P	3.5	2490	14.26	760	13.69	6460	14.34	4480	0.642	2.85	57	64
DAM M 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856	3.8	58	81
DAM M 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.07	4.75	59	89
DAM M 3000 P	3.5	4980	33.24	6590	28.37	6760	29.77	5660	1.28	5.7	60	103
DAM ECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.142	1.24	56	43
DAM ECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.213	1.86	57	64
DAM ECM 2000 P	3.5	3440	21.12	2010	18.7	4990	19.13	2150	0.284	2.48	58	81
DAM ECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.355	3.1	59	89
DAM ECM 3000 P	3.5	5160	33.99	6860	29.05	7050	30.54	5920	0.426	3.72	60	103
DAM G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642	2.85	57	48
DAM G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856	3.8	58	70
DAM G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284	5.7	59	91
DAM G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498	6.65	60	97
DAM G 3000 P	3.8	6000	37.35	8110	32.1	8410	34.03	7180	1.712	7.6	61	111
DAM ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.213	1.86	61	48
DAM ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.284	2.48	62	70
DAM ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.426	3.72	63	91
DAM ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.497	4.34	64	97
DAM ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.568	5.96	65	111

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male. P86 2 row coil, P64 3 row coil, P54 4 row coil.

# DAM

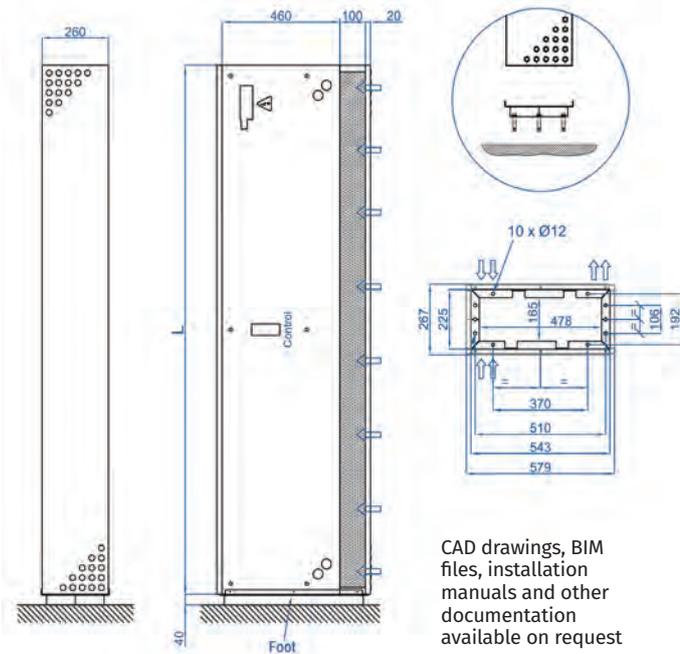
## Layouts and Dimensions

### Horizontal Installation



	L	A	B
DAM 1000	1500	920	-
DAM 1500	1500	1420	710
DAM 2000	2000	1920	960
DAM 2500	2500	2420	1210
DAM 3000	3000	2920	1460

### Vertical Installation



CAD drawings, BIM files, installation manuals and other documentation available on request



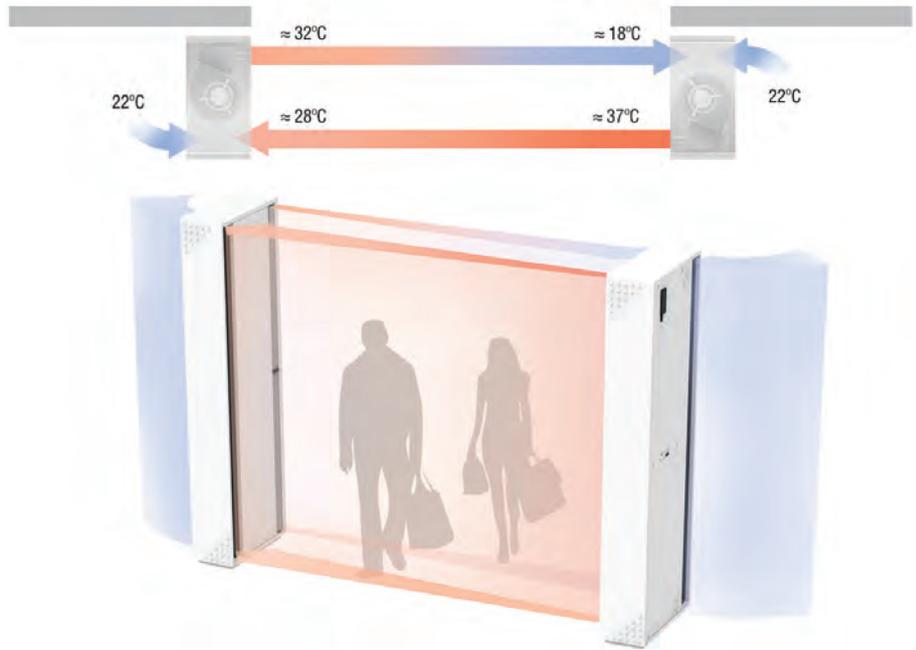
Foot support  
SPF-DAM (Galv./SS)

### Dam Twin application

DAM TWIN system is an optimal solution for installations with very adverse conditions.

The system consists on two vertical DAM air curtains face to face, one with the air jet ahead and the other behind.

At the end of each jet there is the inlet of the other air curtain helping to close the air barrier. This double jet works as a closed circuit creating a separation zone at the door entrance.



### Finishes and details



Customised finishes on request.



Roca Art Gallery  
ME Hotel London  
Stansted International Station







Associated Press  
Novotel Hotel  
110 Canon Street

# TOP

The TOP is a decorative air curtain that blends cutting-edge functionality with sleek design. Perfect for modern spaces with contemporary or industrial aesthetics, its smooth front panel and decorative cover makes it a seamless addition to any interior. The front can be customised with logos, lighting, signage, or lettering to suit branding or design needs.

Behind its elegant appearance, the TOP features high-performance tangential fans with low-noise, twisted-profile turbines powered by a 2-speed external rotor motor. It delivers efficient air management while maintaining quiet operation.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 2 fan speed selections and 3 heater stages for electrically heated units, or 2 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

Standard: Bottom Cover White (RAL 9016) | Front Face Grey (RAL 9006)  
Options: Stainless Steel or any classic RAL colour

## Fan Options

AC fan

## Mounting Options

Horizontal

## Heating Options

Electric, LPHW  
Air Only

## Max Door Height

2.8 m

## Lengths Available

1.0m 1.5m 2.0m



## Air Only

Model	Max mounting height(m)	Airflow (m³/h)	Ventilation power (W)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
TOP 1000 A	2.8	1700	80	0.41	35/50	23
TOP 1500 A	2.8	2200	117	0.53	36/51	33
TOP 2000 A	2.8	3200	160	0.82	38/53	43.5

## Electrically Heated

Model	Max mounting height (m)	Airflow (m³/h)	Electrical heating capacity (kW)	Electrical heating voltage (V)	Ventilation power (W)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
TOP 1000 E	2.8	1700	5.6	400Vx3	80	0.41	35/50	25
TOP 1000 E-9	2.8	1700	9	400Vx3	80	0.41	35/50	26
TOP 1000 E230	2.8	1700	5.6	230Vx1	80	0.41	35/50	25
TOP 1500 E	2.8	2200	9	400Vx3	117	0.53	36/51	36.5
TOP 1500 E230-6	2.8	2200	5.6	230Vx1	117	0.53	36/51	36.5
TOP 1500 E230-9	2.8	2200	9	230Vx1 (*)	117	0.53	36/51	36.5
TOP 2000 E	2.8	3200	11.3	400Vx3	160	0.82	38/53	52.5
TOP 2000 E230	2.8	3200	11.3	230Vx1 (*)	160	0.82	38/53	52.5

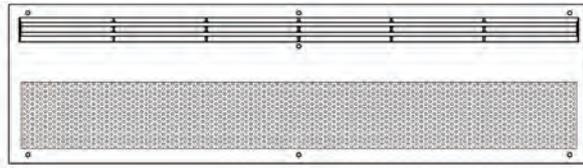
(\*) 2 separate power supplies.

## Water Heated

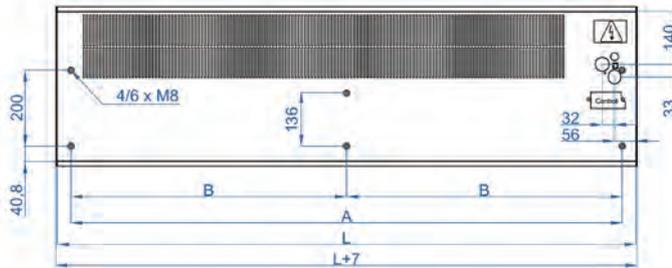
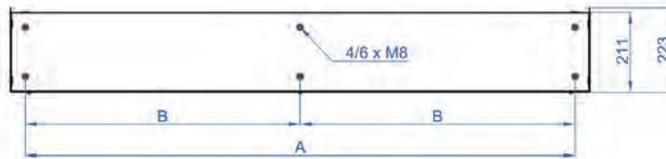
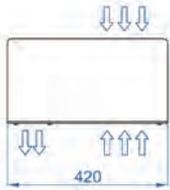
Model	Max mounting height (m)	Airflow (m³/h)	Water heating capacity (kW)	Water pressure drop (Pa)	Water heating capacity (kW)	Water pressure drop (Pa)	Ventilation power (W)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
TOP1000P86	2.8	1450	8.3	7360	-	-	80	0.41	37/51	25.5
TOP1000P64	2.8	1400	-	-	6.42	6570	80	0.41	37/51	25.5
TOP1500P86	2.8	2175	13.0	7480	-	-	117	0.53	38/52	36.5
TOP1500P64	2.8	2100	-	-	9.85	6210	117	0.53	38/52	36.5
TOP2000P86	2.8	2850	17.1	6810	-	-	160	0.82	40/54	48
TOP2000P64	2.8	2700	-	-	12.83	5560	160	0.82	40/54	48

Water heated: connection pipes 1/2" female. P86 of 2 row coil. P64 of 3 row coil. No model exceeds the 70dB of noise level.

## Layouts and Dimensions



	L	A	B
TOP 1000	1010	938	-
TOP 1500	1510	1438	-
TOP 2000	2010	1938	969



## Finishes and details



The front panel is designed to include graphics, logos, illuminated signs, signage, clocks or any other decorative element desired by the customer.

The decorative integral cover is available in any colour from the RAL chart or with stainless steel finish, to blend in with the surrounding decoration.

# Recessed Optima

The Recessed Optima air curtain is an economic solution for commercial building entrances with suspended ceiling systems.

The casing construction is made from galvanised plated steel and is ready to be recessed in a false ceiling, for easy installation. The inlet grille and outlet lamellas are integrated into a single frame. The low noise twisted cross-flow fans are driven with a two-speed external rotor motor.

This air curtain is suitable for small to mid-sized commercial sites, where heat loss through often wide doors can be significant. The Recessed Optima makes internal temperature control in these types of buildings more practical, with recommended installation height of up to 2.8m.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 2 fan speed selections and 3 heater stages for electrically heated units, or 2 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour

## Fan Options

AC fan

## Mounting Options

Horizontal

## Heating Options

Electric, LPHW  
Air Only

## Max Door Height

2.8 m

## Lengths Available

1.0m 1.5m 2.0m



## Air Only

Model	Max mounting height(m)	Airflow (m <sup>3</sup> /h)	Power/current fans 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
RO 1000 A	2.8	1700	0.080 / 0.41	35/50	24
RO 1500 A	2.8	2200	0.117 / 0.53	36/51	34
RO 2000 A	2.8	3200	0.160 / 0.82	38/53	44.5

## Water Heated

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity 80/60°C (kW)	Water Drop Pressure (Pa)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RO 1000 P	2.8	1450	8.3	7360	0.080 / 0.41	37/51	26.5
RO 1500 P	2.8	2175	13	7480	0.117 / 0.53	38/52	37.5
RO 2000 P	2.8	2850	17.1	6810	0.160 / 0.82	40/54	49

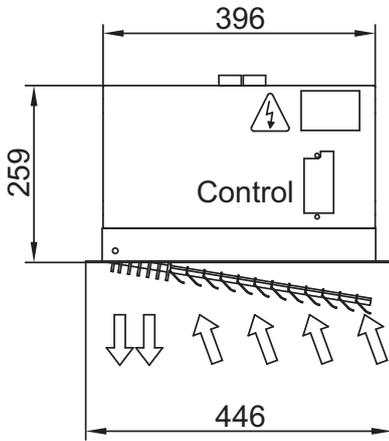
Water heated: connection pipes 1/2" female. 2 rows coil. \*Tested to Amca 220-05

Electrically Heated

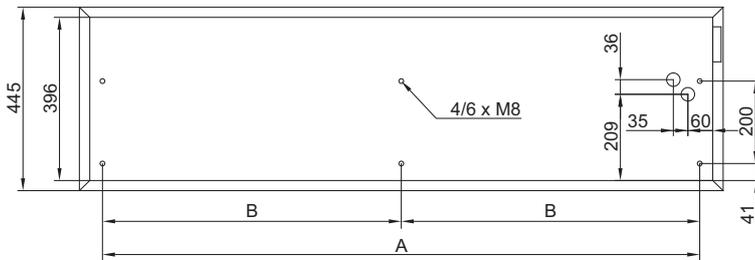
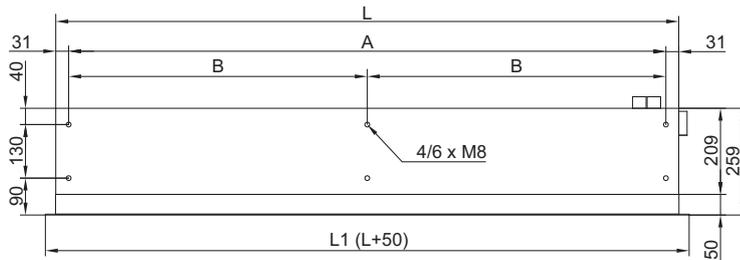
Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Electrical heating capacity (*) (kW)	Electrical heating voltage (V)	Electrical heating current (A)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RO 1000 E400	2.8	1700	5.6	400Vx3	5.8/8.7	0.080 / 0.41	35/50	26
RO 1000 E9	2.8	1700	9	400Vx3	8.7/13	0.080 / 0.41	35/50	27
RO 1000 E230	2.8	1700	5.6	230Vx1	16.5/24.5	0.080 / 0.41	35/50	26
RO 1500 E400	2.8	2200	9	400Vx3	8.7/13	0.117 / 0.53	36/51	37.5
RO 1500 E230-6	2.8	2200	5.6	230Vx1	16.5/24.5	0.117 / 0.53	36/51	37.5
RO 1500 E230-9	2.8	2200	9	230Vx1*	26/39.1	0.117 / 0.53	36/51	37.5
RO 2000 E400	2.8	3200	11.3	400Vx3	8.1/16.3	0.160 / 0.82	38/53	53.5
RO 2000 E230	2.8	3200	11.3	230Vx1*	24.5/49.1	0.160 / 0.82	38/53	53.5

\* 2 separate 230V power supplies required.

Layouts and Dimensions



	L	L1	A	B
RO 1000	1000	1050	938	-
RO 1500	1500	1550	1438	-
RO 2000	2000	2050	1938	969



# Finesse

This discreet and high-performance air curtain sits neatly into a suspended ceiling and has separated air intake and outlets in order to avoid circulation of air. This increases the efficiency of the unit and maintains a strong seal across a doorway.

The design of the inlet grille acts as an air filter, preventing dust and airborne contaminants from entering. The grille can be periodically wiped or vacuumed.

It is suitable for a range of environments from banks and boutiques to shopping centres and airports. Using air curtains in these types of situations makes internal temperature control more practical, as heat loss through “open-door” trading is significantly reduced.

The air curtain features our integrated AirGENIO PRIME control system. This allows for automatic control with manual override. This is a more sophisticated control system which maximises the air curtain’s efficiency while reducing energy usage.



## Colours Available

White RAL9016 (standard)  
Any RAL colour



## Fan Options

AC fan  
EC fan (option)



## Mounting Options

Horizontal



## Heating Options

Electric  
LPHW



## Max Door Height

4.2 m



## Lengths Available

1.0m 1.5m  
2.0m 2.5m



## Electrically Heated

Model	Max mounting height (m)	Airflow (m³/h)	Electrical heating capacity 400Vx3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
VCFI5B100-E1AC	3.5	1800	9.4	0.7 / 2.75	55	40
VCFI5B150-E1AC	3.5	2600	15	1.0 / 4	56	55
VCFI5B200-E1AC	3.5	3450	19	1.5 / 5.3	57	72
VCFI5B250-E1AC	3.5	4200	24.5	1.6 / 6.5	58	86
VCFI5B100-E1EC	3.5	1950	9.4	0.37 / 2.4	54	38
VCFI5B150-E1EC	3.5	3000	15	0.54 / 3.5	55	49
VCFI5B200-E1EC	3.5	4000	19	0.71 / 4.4	56	65
VCFI5B250-E1EC	3.5	4900	24.5	0.85 / 5.4	58	77
VCFI5C100-E1EC	4.2	2800	9.4	0.56 / 3.5	58	40
VCFI5C150-E1EC	4.2	3850	15	0.72 / 4.4	58	52
VCFI5C200-E1EC	4.2	4900	19	0.90 / 5.3	59	69
VCFI5C250-E1EC	4.2	6600	24.5	1.20 / 7.3	61	81

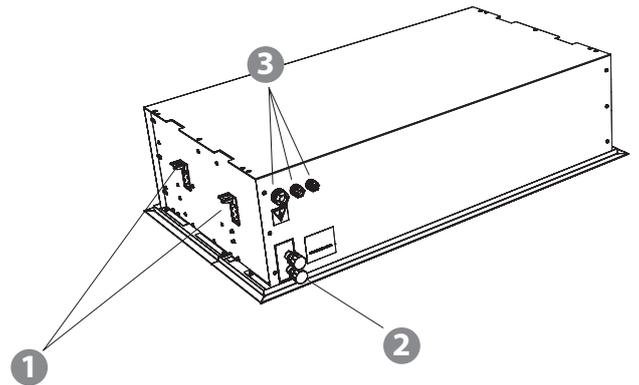
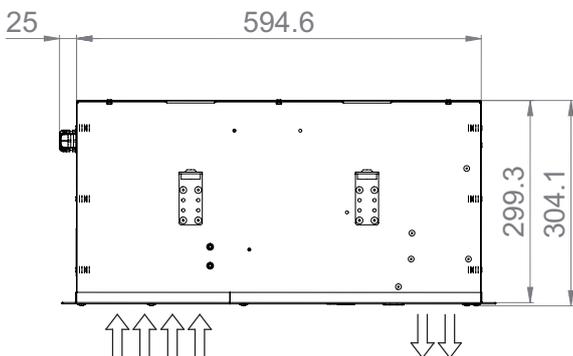
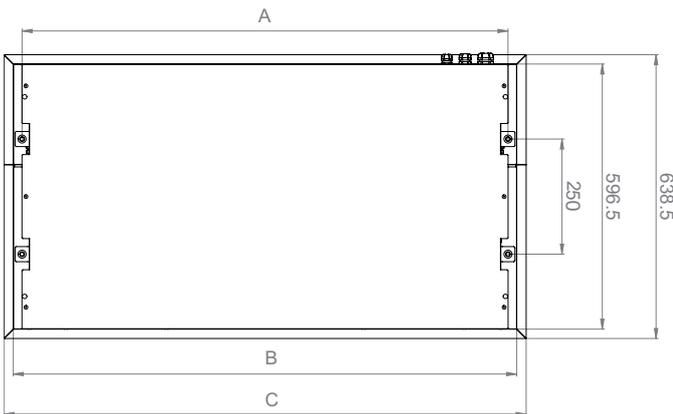
\*Tested to ISO 27327-1

Water Heated

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity 80/60°C (kW)	Water drop pressure 80/60°C (Pa)	Water heating capacity 60/40°C (kW)	Water drop pressure 60/40°C (Pa)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
VCFI5B100-V2AC	3.5	1700	17.4	7100	9.5	2400	0.63 / 2.75	54	41
VCFI5B150-V2AC	3.5	2450	25.9	7000	14.2	2400	0.9 / 4.0	55	56
VCFI5B200-V2AC	3.5	3400	35.5	8300	19.5	2800	1.2 / 5.3	57	73
VCFI5B250-V2AC	3.5	4100	43.6	13100	24.4	4600	1.5 / 6.5	58	87
VCFI5B100-V2EC	3.5	1900	18.6	8100	10.1	2700	0.35 / 2.4	54	36
VCFI5B150-V2EC	3.5	2900	28.6	8400	15.6	2800	0.52 / 3.3	55	47
VCFI5B200-V2EC	3.5	3900	38.6	9700	21.1	3200	0.73 / 4.3	56	63
VCFI5B250-V2EC	3.5	4750	47.6	15400	26.5	5300	0.84 / 5.3	58	76
VCFI5C100-V2EC	4.2	2650	22.4	11400	12.1	3700	0.53 / 3.5	57	38
VCFI5C150-V2EC	4.2	3750	33.1	11100	17.9	3600	0.71 / 4.2	58	50
VCFI5C200-V2EC	4.2	4650	42.7	11700	23.2	3800	0.90 / 5.4	58	67
VCFI5C250-V2EC	4.2	6400	56.3	21100	31.1	7200	1.20 / 7.3	60	80

2 x 3/4" connections.  
Sound pressure measured 3m from the air curtain intake. Air intake air temperature 18°C.

Layouts and Dimensions



- 1. Suspension holders
- 2. 3/4" water coil connection
- 3. Power supply cable entry

	A	B	C
VCFI4B100	1085	1124.1	1166.1
VCFI4B150	1585	1624.1	1666.1
VCFI4B200	2085	2124.1	2166.1
VCFI4B250	2465	2504.1	2546.1

# Recessed Windbox

This attractive air curtain, designed specifically for use in suspended ceilings, has separated air intake and outlets in order to avoid circulation of air. This increases the efficiency of the unit and maintains a strong seal across a doorway.

The casing is constructed from zinc plated steel, ready to be installed into a false ceiling. The inlet grille (free of maintenance) and outlet lamellas are integrated into a single white frame. Low noise centrifugal double inlet fans are driven by an external five-speed rotor motor with built-in thermal protection.

The Windbox Recessed is ideal for medium to large commercial premises and can be matched to the ceiling colour.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016  
(standard) Any classic  
RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal

## Heating Options

Electric, LPHW  
Air only

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m  
2.0m 2.5m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RM 1000 A	3.5	1800	0.212 / 0.94	55	57
RM 1500 A	3.5	2700	0.318 / 1.41	56	85
RM 2000 A	3.5	3600	0.424 / 1.88	57	109
RM 2500 A	3.5	4500	0.530 / 2.35	58	137
RECM 1000 A	3.5	1840	0.132 / 1.14	56	57
RECM 1500 A	3.5	2760	0.198 / 1.71	57	85
RECM 2000 A	3.5	3680	0.264 / 2.28	58	109
RECM 2500 A	3.5	4600	0.330 / 2.85	59	137
RG 1000 A	3.8	2400	0.642 / 2.85	57	61
RG 1500 A	3.8	3200	0.856 / 3.80	58	90
RG 2000 A	3.8	4800	1.284 / 5.70	59	118
RG 2500 A	3.8	5600	1.498 / 6.65	60	145
RECG 1000 A	4.2	2700	0.225 / 1.95	61	61
RECG 1500 A	4.2	3600	0.300 / 2.60	62	90
RECG 2000 A	4.2	5400	0.450 / 3.90	63	118
RECG 2500 A	4.2	6300	0.525 / 4.55	64	145

\*Tested to Amca 220-05

## Electrically Heated

Model	Max mounting height (m)	*Airflow (m³/h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
RM 1000 E	3.5	1800	9	0.212 / 0.94	55	65
RM 1500 E	3.5	2700	12	0.318 / 1.41	56	98
RM 2000 E	3.5	3600	18	0.424 / 1.88	57	130
RM 2500 E	3.5	4500	18	0.530 / 2.35	58	162
RECM 1000 E	3.5	1840	9	0.132 / 1.14	56	65
RECM 1500 E	3.5	2760	12	0.198 / 1.71	57	98
RECM 2000 E	3.5	3680	18	0.264 / 2.28	58	130
RECM 2500 E	3.5	4600	18	0.330 / 2.85	59	162
RG 1000 E	3.8	2400	15	0.642 / 2.85	57	70
RG 1500 E	3.8	3200	22.5	0.856 / 3.80	58	104
RG 2000 E	3.8	4800	30	1.284 / 5.70	59	140
RG 2500 E	3.8	5600	30	1.498 / 6.65	60	172
RECG 1000 E	4.2	2700	15	0.225 / 1.95	61	70
RECG 1500 E	4.2	3600	22.5	0.300 / 2.60	62	104
RECG 2000 E	4.2	5400	30	0.450 / 3.90	63	140
RECG 2500 E	4.2	6300	30	0.525 / 4.55	64	172

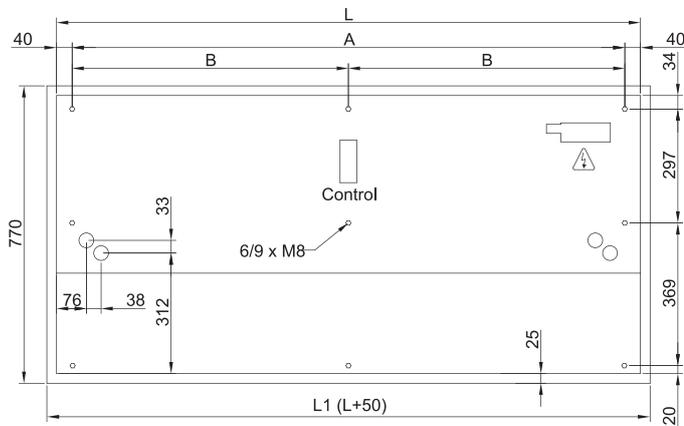
Water Heated

Model	Max. mounting height (m)	Airflow (m³/h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
RM 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428 / 1.90	56	63
RM 1500 P	3.5	2490	14.26	760	13.69	6460	14.34	4480	0.642 / 2.85	57	93
RM 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856 / 3.80	58	122
RM 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.070 / 4.75	59	153
RECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.132 / 1.14	56	63
RECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.198 / 1.71	57	93
RECM 2000 P	3.5	3440	21.12	2010	18.7	4990	19.13	2150	0.264 / 2.28	58	122
RECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.330 / 2.85	59	153
RG 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	57	67
RG 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	58	98
RG 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	59	131
RG 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	60	163
RECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225 / 1.95	61	67
RECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	62	98
RECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	63	131
RECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	64	163

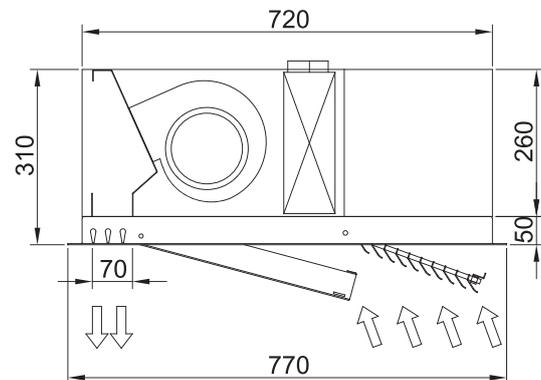
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.

P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

Layouts and Dimensions



	L	L1	A	B
Recessed Windbox 1000	1000	1050	920	-
Recessed Windbox 1500	1500	1550	1420	710
Recessed Windbox 2000	2000	2050	1920	960
Recessed Windbox 2500	2500	2550	2420	1210



# Invisair

The Invisair is the architects choice. Designed for concealment inside casements, bulkheads or ceilings, it is the ideal choice for a fully integrated interior design. Unlike the conventional air curtain arrangement where the air is discharged at right angles to the air inlet assembly, the Invisair air intake and discharge grille are in the same plane so that the air flows through the unit in a straight line, with minimum pressure drop and maximum efficiency.

This air curtain is suitable for commercial and industrial premises. Using air curtains in these types of situations makes internal temperature control more practical, as heat loss through these often open doors is significantly reduced.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016  
(standard) Any classic  
RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal  
Vertical

## Heating Options

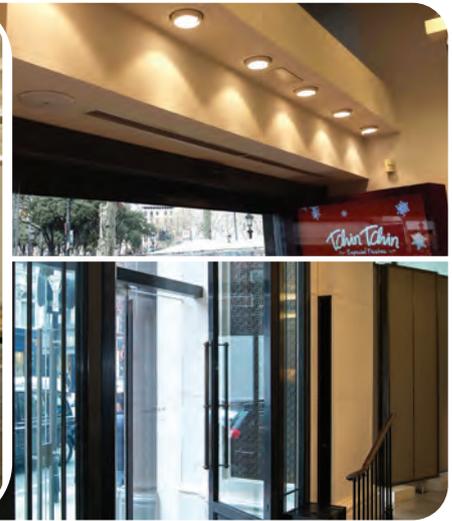
Electric, LPHW  
Air only

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m  
2.0m 2.5m  
3.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
IM 1000 A	3.5	1980	0.318 / 1.41	55	48
IM 1500 A	3.5	2640	0.424 / 1.88	56	55
IM 2000 A	3.5	3960	0.636 / 2.82	57	68
IM 2500 A	3.5	4620	0.742 / 3.29	58	73
IM 3000 A	3.5	5280	0.848 / 3.76	59	84
IG 1000 A	3.8	2400	0.642 / 2.85	57	53
IG 1500 A	3.8	3200	0.856 / 3.80	58	60
IG 2000 A	3.8	4800	1.284 / 5.70	59	78
IG 2500 A	3.8	5600	1.498 / 6.65	60	83
IG 3000 A	3.8	6400	1.712 / 7.60	61	94
IECG 1000 A	4.2	2700	0.213 / 1.86	61	53
IECG 1500 A	4.2	3600	0.300 / 2.60	62	60
IECG 2000 A	4.2	5400	0.450 / 3.90	63	78
IECG 2500 A	4.2	6300	0.525 / 4.55	64	83
IECG 3000 A	4.2	7200	0.586 / 5.96	65	94

\*Tested to Amca 220-05

## Electrically Heated

Model	Max mounting height (m)	*Airflow (m³/h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
IM 1000 E	3.5	1980	9	0.318 / 1.41	56	58
IM 1500 E	3.5	2640	12	0.424 / 1.88	56	67
IM 2000 E	3.5	3960	18	0.636 / 2.82	57	86
IM 2500 E	3.5	4620	18	0.742 / 3.29	58	93
IM 3000 E	3.5	5280	24	0.848 / 3.76	59	108
IG 1000 E	3.8	2400	15	0.642 / 2.85	57	64
IG 1500 E	3.8	3200	22.5	0.856 / 3.80	58	73
IG 2000 E	3.8	4800	30	1.284 / 5.70	59	96
IG 2500 E	3.8	5600	30	1.498 / 6.65	60	103
IG 3000 E	3.8	6400	30	1.712 / 7.60	61	118
IECG 1000 E	4.2	2700	15	0.213 / 1.86	61	64
IECG 1500 E	4.2	3600	22.5	0.300 / 2.60	62	73
IECG 2000 E	4.2	5400	30	0.450 / 3.90	63	96
IECG 2500 E	4.2	6300	30	0.525 / 4.55	64	103
IECG 3000 E	4.2	7200	30	0.568 / 5.96	65	118

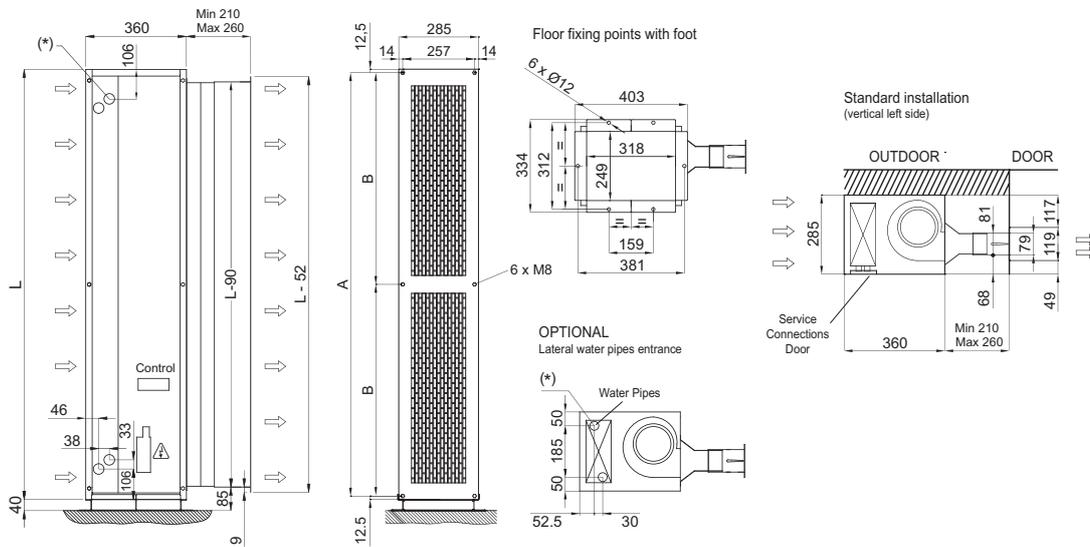
Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
IM 1000 P	3.5	1860	9.84	1000	9.22	4990	-	-	0.318 / 1.41	55	55
IM 1500 P	3.5	2480	14.23	760	13.65	6430	-	-	0.424 / 1.88	56	63
IM 2000 P	3.5	3720	22.17	2190	19.7	5470	-	-	0.636 / 2.82	57	78
IM 2500 P	3.5	4340	27.69	4000	23.48	4060	-	-	0.742 / 3.29	58	86
IM 3000 P	3.5	4960	33.15	6560	28.29	6.73	-	-	0.848 / 3.76	59	100
IG 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	57	60
IG 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	58	69
IG 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	59	89
IG 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	60	94
IG 3000 P	3.8	6000	37.35	8110	32.10	8410	34.03	7180	1.712 / 7.60	61	108
IECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.50	2090	0.213 / 1.86	54	61
IECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	62	69
IECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	63	89
IECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	64	94
IECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.586 / 5.96	65	108

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.

P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

Layouts and Dimensions



Installation examples



	L	A	B
1000	1050	1025	-
1500	1550	1525	726.5
2000	2055	2030	1015
2500	2555	2530	1265
3000	3000	2975	1487.5

# Rotowind

A revolving door acts as a low-speed fan, forcing a mass of cold or warm air into a room with each rotation. By combining an air curtain with a revolving door system, this unconditioned air is prevented from entering, and a more welcoming entrance is created.

Two types of tailor made Rotowind models are available, designed to fit perfectly to the curvature of the revolving door. A room-side unit that is mounted above the door, but blows across the inner opening, and a room-side external unit, that blows air across the inner opening, but is mounted on the inside of the building.

The Rotowind has a circular discharge jet with anodised aluminium lamellas and low noise centrifugal double inlet fans driven by an external rotor motor with built in thermal protection contact. Units may be custom painted to match the colour of the revolving door, to blend with the internal, or surrounding aesthetics of the building.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal

## Heating Options

Electric  
LPHW

## Max Door Height

4.2 m

## Lengths Available

1.0m 1.5m  
2.0m 2.5m



## Electrically Heated

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Electrical heating capacity 400Vx3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
ROTO G 1000 E	3.8	2400	15	0.642 / 2.85	57	-
ROTO G 1500 E	3.8	3200	22.5	0.856 / 3.80	58	-
ROTO G 2000 E	3.8	4800	30	1.284 / 5.70	59	-
ROTO G 2500 E	3.8	5600	30	1.498 / 6.65	60	-
ROTO ECG 1000 E	4.2	2700	15	0.225 / 1.95	61	-
ROTO ECG 1500 E	4.2	3600	22.5	0.300 / 2.60	62	-
ROTO ECG 2000 E	4.2	5400	30	0.450 / 3.90	63	-
ROTO ECG 2500 E	4.2	6300	30	0.525 / 4.55	64	-

\*Tested to Amca 220-05

Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
ROTO G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642 / 2.85	57	-
ROTO G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856 / 3.80	58	-
ROTO G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284 / 5.70	59	-
ROTO G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498 / 6.65	60	-
ROTO ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.225 / 1.95	61	-
ROTO ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.300 / 2.60	62	-
ROTO ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.450 / 3.90	63	-
ROTO ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.525 / 4.55	64	-

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.  
 P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

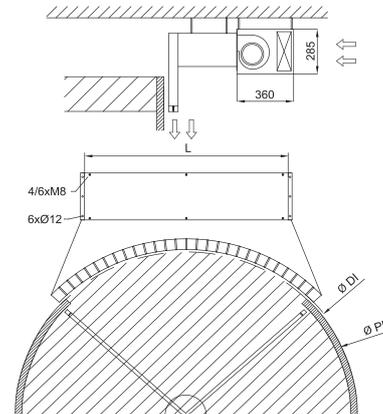
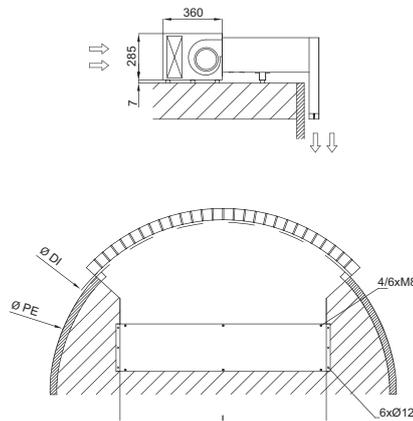
Layouts and Dimensions

Rotowind air curtains are tailor-made for any kind of revolving door.

Top of door mounting



False ceiling mounting



Fixation Systems



Fixed onto the door



Hanging from ceiling mounting

Fascia cover options



- RAL9016 standard
- Any classic RAL colour
- Stainless steel AISI 304

# Maxwell

The Maxwell air curtain has “Coanda” effect double outlets to help achieve an increased air jet velocity. Its adjustable pitch angled outlet aerofoil shaped vanes make it a perfect choice for larger industrial doorways.

Constructed in galvanised steel, this high-performance air curtain has efficient, low noise axial fans driven by an external rotor motor.

The Maxwell is suitable for vertical and horizontal installations and units can be joined together through its multiple modules to cover loading bays, hangars and factory wide entrances.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections for LPHW and air only units. 10 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)

## Mounting Options

Horizontal  
Vertical

## Heating Options

LPHW  
Air only

## Max Door Height

6.0 m

## Lengths Available

1.5m 2.0m 2.5m  
3.0m 3.5m



## Air Only

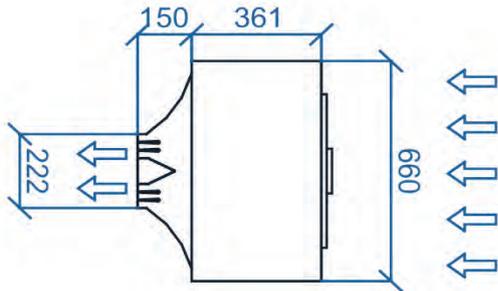
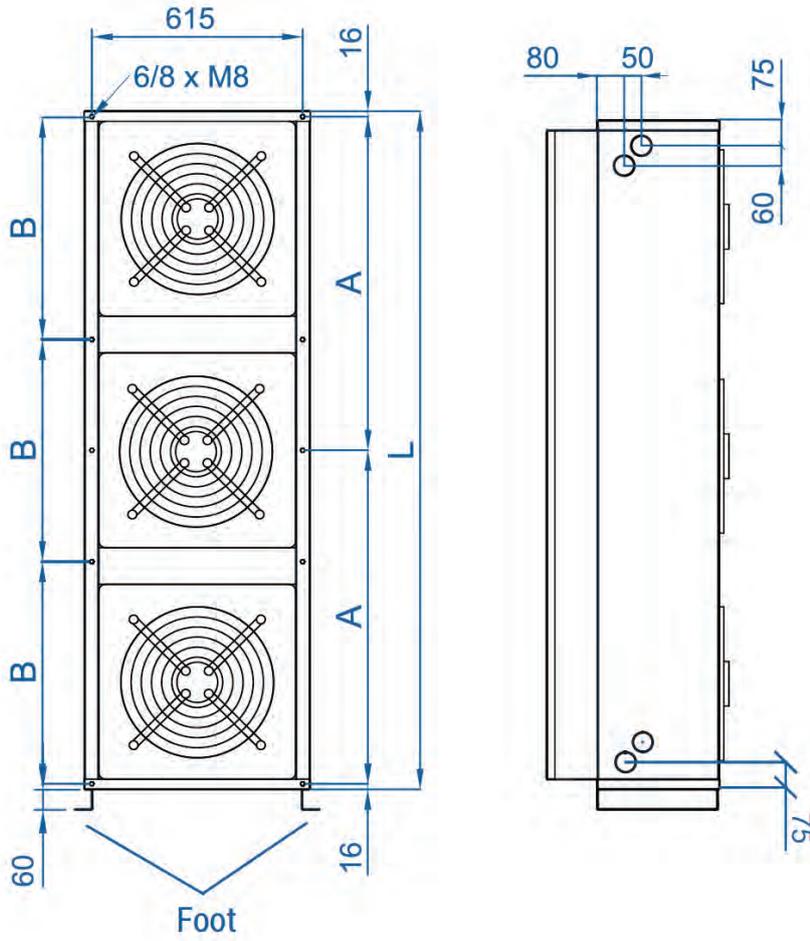
Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
MXW 1500 A	6	7000	0.68 / 2.96	60	79
MXW 2000 A	6	10500	1.02 / 4.44	61	103
MXW 2500 A	6	14000	1.36 / 5.92	62	126
MXW 3000 A	6	17500	1.70 / 7.40	63	150
MXW 3500 A	6	20800	2.04 / 8.88	64	173

## Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
MXW 1500 P	6	6800	41.39	12040	34.09	12620	-	-	0.68 / 2.96	59	95
MXW 2000 P	6	10200	61.25	16920	50.16	13660	-	-	1.02 / 4.44	60	126
MXW 2500 P	6	13600	80.05	13940	66.19	14600	-	-	1.36 / 5.92	61	158
MXW 3000 P	6	17000	99.88	16260	82.22	14560	-	-	1.70 / 7.40	62	189
MXW 3500 P	6	20300	118.28	14080	97.92	14910	-	-	2.04 / 8.88	63	221

\*Tested to Amca 220-05.

Layouts and Dimensions



	L	A	B
MXW 1500	1500	734	-
MXW 2000	2000	984	-
MXW 2500	2500	1234	-
MXW 3000	3040	-	1002.5
MXW 3500	3620	-	1196

# VCP

The VCP air curtain has an optimal shaped nozzle with a unique straw system grille, to evenly distribute the flow of air across the entire width of the doorway to ensure the best possible seal.

It can be situated above or to the side of industrial doorways using a specially designed and adjustable foot plate. The galvanised sheet casing and closed construction motors with self-lubricating ball bearings provide easy maintenance under the hardest of operating conditions.

These units are ideal for use in loading bays, factories, hangars, etc so that forklift drivers don't have to get out of their cabs to open and close doors making moving from one area to another safer and more convenient. Unlike plastic slat curtains, which quickly become opaque with use, an air curtain provides 100% visibility at all times.

An Air Genio IC Prime controller, with 5 speed selection, integrated timer, temperature sensor and BMS MODBUS, is included.



Option available

## Colours Available

White RAL9016 (standard)  
Galvanised (standard)

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal  
Vertical

## Heating Options

Electric, LPHW  
Air only

## Max Door Height

6.0 m

## Lengths Available

1.65m 2.20m  
2.75m



## Air Only

Model	Max mounting height (m)	*Airflow (m³/h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
VCIN2A150-SOAC	6	11550	0.85 / 3.9	63	51
VCIN2A200-SOAC	6	15100	1.1 / 5.1	64.9	69
VCIN2A250-SOAC	6	18500	1.4 / 6.5	66.7	83
VCIN2A150-SOEC	6	11400	1 / 6.5	63.1	51
VCIN2A200-SOEC	6	15200	1.4 / 8.7	64.9	69
VCIN2A250-SOEC	6	19000	1.7 / 10.8	66.8	83

\*Tested to ISO 27327-1

## Electrically Heated

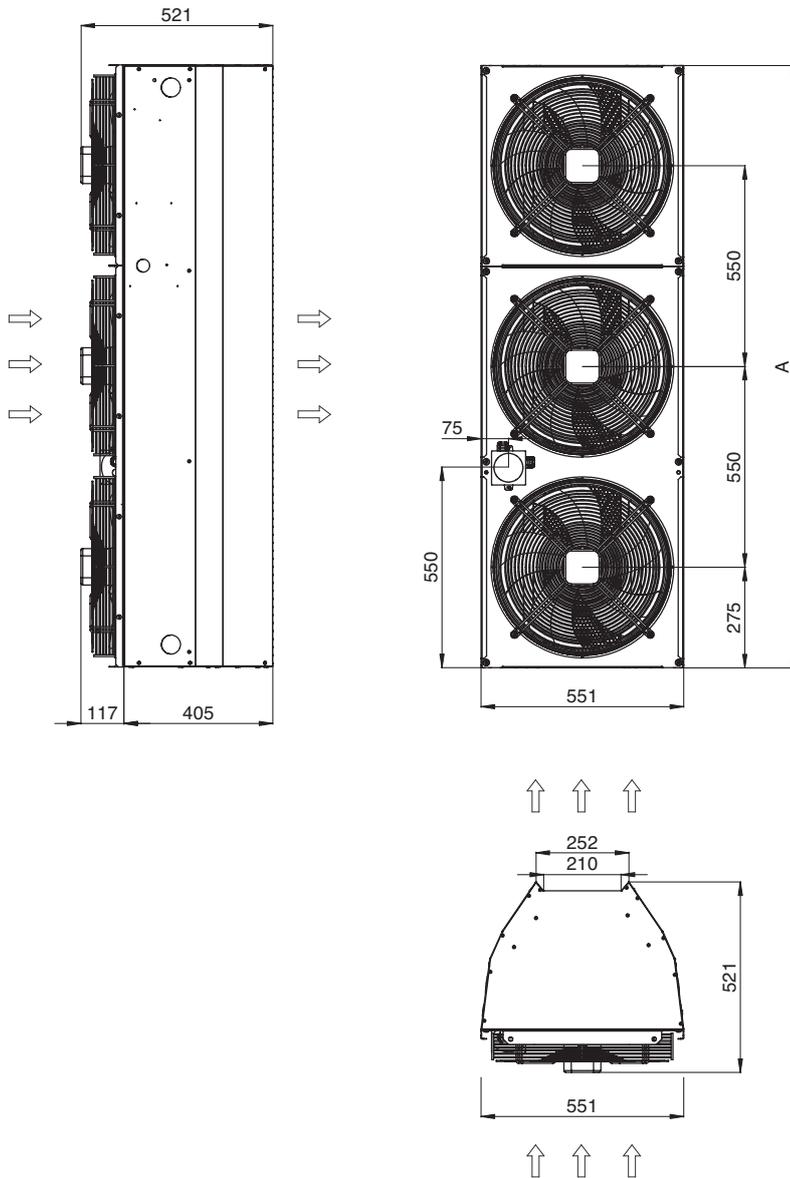
Model	Max mounting height (m)	*Airflow (m³/h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
VCIN2A150-E1AC	6	11550	24.3	0.85 / 3.9	63	55
VCIN2A200-E1AC	6	15100	32.4	1.1 / 5.1	64.9	74
VCIN2A250-E1AC	6	18500	40.5	1.4 / 6.5	66.7	89
VCIN2A150-E1EC	6	11400	24.3	1 / 6.5	63	55
VCIN2A200-E1EC	6	15200	32.4	1.4 / 8.7	64.9	74
VCIN2A250-E1EC	6	19000	40.5	1.7 / 10.8	66.8	89

Water Heated

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity 80/60° C (kW)	Water drop pressure 80/60° C (Pa)	Water heating capacity 60/40° C (kW)	Water drop pressure 60/40° C (Pa)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
VCIN2A150-V2AC	6	10300	62.9	18000	37.6	8000	0.85 / 3.9	63.1	60
VCIN2A200-V2AC	6	13700	84.6	14000	50.2	7000	1.1 / 5.1	64	78
VCIN2A250-V2AC	6	17000	106	16000	62.7	5000	1.4 / 6.5	65.5	98
VCIN2A150-V2EC	6	10500	63.6	18000	37.9	8000	1 / 6.5	63.2	60
VCIN2A200-V2EC	6	14000	85.5	14000	50.8	7000	1.4 / 8.7	64.1	78
VCIN2A250-V2EC	6	17500	108	11000	63.8	5000	1.7 / 10.8	65.6	98

2 x 1" BSP pipe connections \*Tested to ISO 27327-1

Layouts and Dimensions



VCIN2	A
150	1650
200	2200
250	2750

# Industrial Windbox

This air curtain has very powerful air and heating outputs, making it suitable for use on warehouse type entrances up to 7 metres high.

The adjustable aerofoil shaped outlet vanes can be angled to provide the optimum seal across an entrance. It incorporates low noise centrifugal double inlet fans driven by an external rotor motor with built-in thermal protection. A perforated inlet grille acts as an air filter to prevent debris entering and removes the need for an internal filter.

Using air curtains in these types of industrial situations makes internal temperature control more practical, as heat loss through these often wide open doors is significantly reduced.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 10 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour



## Fan Options

AC fan

## Mounting Options

Horizontal  
Vertical



## Heating Options

Electric, LPHW  
Air only

## Max Door Height

7.0 m



## Lengths Available

1.0m 1.5m 2.0m  
2.5m 3.0m



## Air Only

Model	Max mounting height (m)	*Airflow (m <sup>3</sup> /h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
L 1000 A	5	4000	1.04 / 4.40	63	72
L 1500 A	5	6000	1.56 / 6.60	64	108
L 2000 A	5	8000	2.08 / 8.80	65	145
L 2500 A	5	10000	2.60 / 11	66	177
L 3000 A	5	12000	3.12 / 13.20	67	213
XL 1000 A	7	5300	1.40 / 6	65	78
XL 1500 A	7	7950	2.10 / 9	66	117
XL 2000 A	7	10600	2.80 / 12	67	157
XL 2500 A	7	13250	3.50 / 15	68	192
XL 3000 A	7	15900	4.20 / 18	69	211

\*Tested to Amca 220-05

## Electrically Heated

Model	Max mounting height (m)	*Airflow (m <sup>3</sup> /h)	Electrical heating capacity 400V x3-50Hz (kW)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
L 1000 E	5	4000	19	1.04 / 4.40	63	90
L 1000 E25	5	4000	25	1.04 / 4.40	63	90
L 1500 E	5	6000	30.5	1.56 / 6.60	64	135
L 1500 E37.5	5	6000	37.5	1.56 / 6.60	64	135
L 2000 E	5	8000	42 *	2.08 / 8.80	65	180
L 2000 E50	5	8000	50 *	2.08 / 8.80	65	180
L 2500 E	5	10000	50 *	2.60 / 11	66	225
L 2500 E60	5	10000	60 *	2.60 / 11	66	225
L 3000 E	5	12000	60 *	3.12 / 13.20	67	270
L 3000 E70	5	12000	70 *	3.12 / 13.20	67	270
XL 1000 E	7	5300	25	1.40 / 6.00	65	95
XL 1000 E35	7	5300	35	1.40 / 6.00	65	96
XL 1500 E	7	7950	37.5	2.10 / 9.00	66	144
XL 1500 E52	7	7950	52.5 *	2.0 / 9.00	66	150
XL 2000 E	7	10600	50 *	2.80 / 12	67	192
XL 2000 E70	7	10600	70 *	2.80 / 12	67	200
XL 2500 E	7	13250	60 *	3.50 / 15	68	240
XL 2500 E70	7	13250	70 *	3.50 / 15	68	250
XL 3000 E	7	15900	70 *	4.20 / 18	69	288
XL 3000 E80	7	15900	80 **	4.20 / 18	69	300

\*2 separate power supplies. \*\*3 separate power supplies

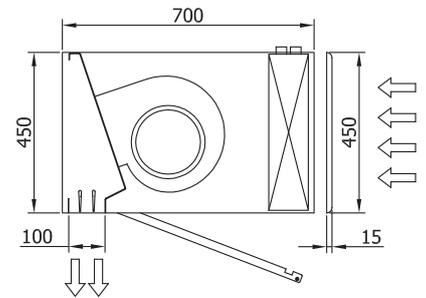
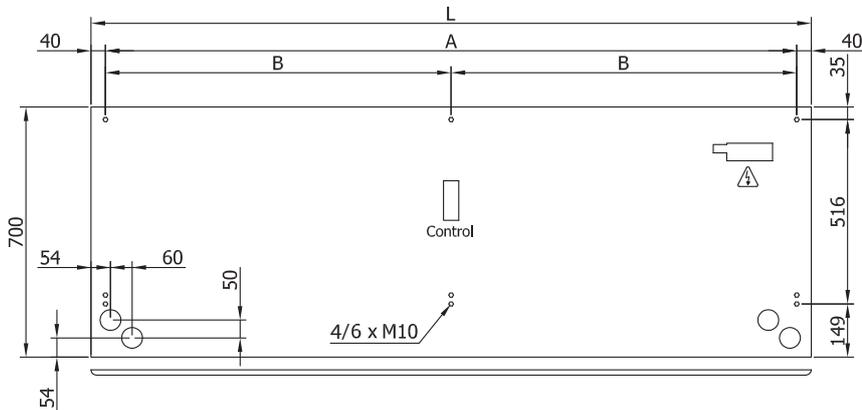
Water Heated

Model	Max. mounting height (m)	Airflow (m <sup>3</sup> /h)	Water heating capacity (kW) @ 80/60°C	Water drop pressure (Pa) @ 80/60°C	Water heating capacity (kW) @ 60/40°C	Water drop pressure (Pa) @ 60/40°C	Water heating capacity (kW) @ 50/40°C	Water drop pressure (Pa) @ 50/40°C	Power/current (fans) 230V-50Hz (kW/A)	Noise level (dB(A))	Weight (kg)
L 1000 P	5	3800	19.68	1730	16.18	2570	17.18	1560	1.04 / 4.40	62	89
L 1500 P	5	5700	29.64	950	25.92	3210	29.04	5710	1.56 / 6.60	63	128
L 2000 P	5	7600	43.01	2390	35.58	3680	38.93	4330	2.08 / 8.80	64	171
L 2500 P	5	9500	56.01	4670	45.55	4750	49.36	4990	2.60 / 11	65	214
L 3000 P	5	11400	69.27	8090	56.78	8350	59.96	5770	3.12 / 13.20	66	260
XL 1000 P	7	4900	22.68	2250	18.98	3410	20.43	2120	1.40 / 6	64	94
XL 1500 P	7	7350	34.52	1240	30.45	4270	34.55	7780	2.10 / 9	65	137
XL 2000 P	7	9800	50.1	3140	41.83	5910	46.36	5910	2.80 / 12	66	183
XL 2500 P	7	12250	65.29	6130	53.56	6330	58.81	6330	3.50 / 15	68	227
XL 3000 P	7	14700	80.79	10640	66.78	11140	71.47	7890	4.20 / 18	68	278

Water heated: 2x1" for 1000 and 1500, 2x1¼" for 2000 and 2500, 2x1½" for 3000. Connection pipes P86, P64 and P54 are female (male if lateral pipes).

P86 2 rows coil, P64 3 rows coil, P54 4 rows coil. \*Tested to Amca 220-05

Layouts and Dimensions



Grille Finishes



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

# KOOL (for cold stores)

The KOOL comprises a powder coated steel case containing double inlet fans. Ambient air is drawn in through a perforated steel mesh at the front of the unit and delivered across the doorway via adjustable lamella.

This unit provides a tight ambient air seal across the opening of refrigerated stores and freezers to prevent cold air from escaping and warm air from entering. This reduces operating costs by saving energy and improves the temperature and performance of the store. For applications with extreme cold and/or humidity and/or corrosive conditions, the KOOL is available in IP 55, with optional painted or stainless steel finish.

By removing the need for fast acting shutter doors and plastic strip curtains, forklift drivers are given total visibility through the entrance.

An Advanced Pro controller is included with a wall mounted LCD display that offers 5 fan speed selections. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Option available

## Colours Available

White RAL9016 (standard)  
Any classic RAL colour  
Brushed stainless steel

## Fan Options

AC fan (standard)  
EC fan (option)

## Mounting Options

Horizontal  
Vertical

## Heating Options

Air only

## Max Door Height

4.2 m

## Lengths Available

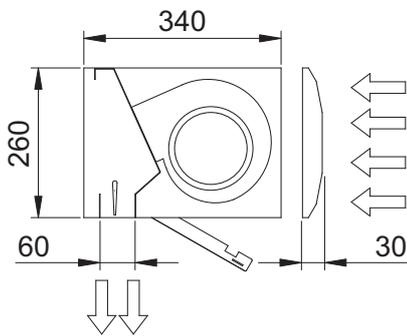
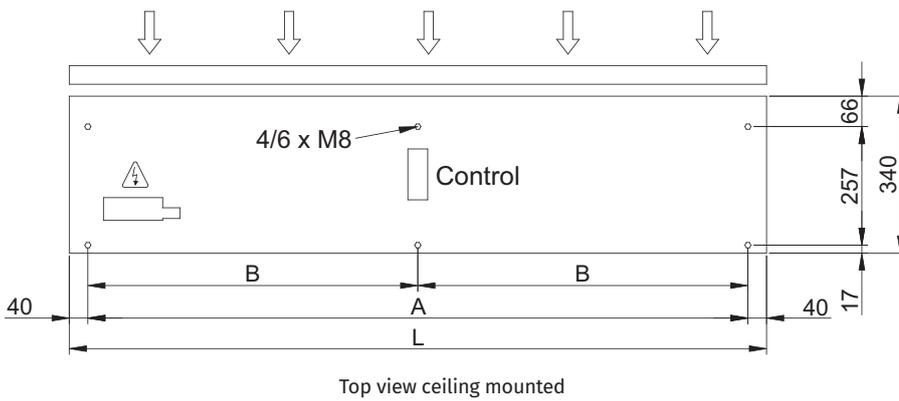
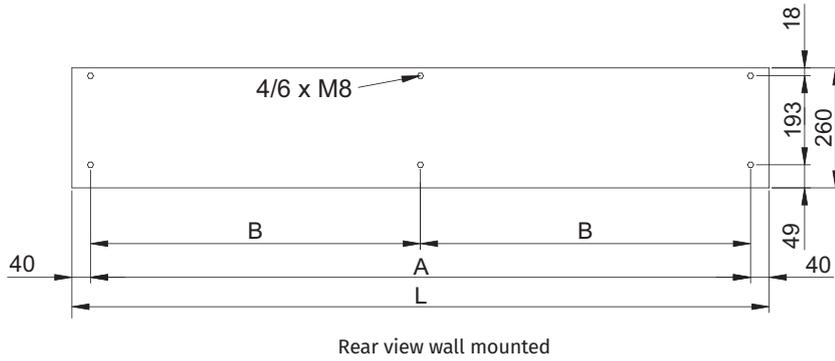
1.0m 1.5m 2.0m  
2.5m 3.0m



## Air Only

Model	Max mounting height (m)	Airflow (m <sup>3</sup> /h)	Power/current fans 230V-50Hz (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
KM 1000 A	3.5	1800	0.212 / 0.94	55	29
KM 1500 A	3.5	2700	0.318 / 1.41	56	44
KM 2000 A	3.5	3600	0.424 / 1.88	57	53
KM 2500 A	3.5	4500	0.530 / 2.35	58	58
KM 3000 A	3.5	5400	0.636 / 2.82	59	76
KECM 1000 A	3.5	1840	0.142 / 1.24	56	33
KECM 1500 A	3.5	2760	0.213 / 1.86	57	50
KECM 2000 A	3.5	3680	0.284 / 2.48	58	61
KECM 2500 A	3.5	4600	0.355 / 3.10	59	68
KECM 3000 A	3.5	5520	0.426 / 3.72	60	76
KG 1000 A	3.8	2400	0.642 / 2.85	57	37
KG 1500 A	3.8	3200	0.856 / 3.80	58	55
KG 2000 A	3.8	4800	1.284 / 5.70	59	71
KG 2500 A	3.8	5600	1.498 / 6.65	60	78
KG 3000 A	3.8	6400	1.712 / 7.60	61	86
KECG 1000 A	4.2	2700	0.225 / 1.95	61	37
KECG 1500 A	4.2	3600	0.300 / 2.60	62	56
KECG 2000 A	4.2	5400	0.450 / 3.90	63	71
KECG 2500 A	4.2	6300	0.525 / 4.55	64	78
KECG 3000 A	4.2	7200	0.600 / 5.20	65	86

Layouts and Dimensions



L	A	B
1000	920	-
1500	1420	710
2000	1920	960
2500	2420	1210
3000	2920	1460

Finishes and details



Optional: For applications with extreme cold and/or humidity and/or corrosive conditions, KOOL is available in IP 55, with optional painted or stainless steel finish. KOOL is a compact and small dimension air curtain with a timeless design and pleasing to the eye. Thanks to the air discharge design, KOOL air curtain ensures a low turbulence and high velocity air jet, thus efficiently separating spaces with high temperature differences.

It operates with double-inlet centrifugal fans driven by an external rotor motor, featuring a low noise level and special IP55 protection, consisting of: sealed bearings, encapsulated stator, and silicone-sealed cable. It includes IP55 junction boxes and IP68 cable glands for the electronics, transformer, and general connections.

# Fly

The Fly is specially designed for insect control at entrances to food factories, industrial applications, hospitals, or clean zones. It creates a high velocity air barrier to prevent flying insects from entering a building.

The self-supporting casing is made of galvanized steel plate, finished in structural epoxy-polyester. The large perforated inlet grille helps reduce maintenance requirements. The unit incorporates anodized aluminium outlet vanes, aerofoil shaped, adjustable from 0 to 15 degrees each side to allow accurate control over direction of airflow.

An Advanced Pro controller is included with a wall mounted LCD display that offers 5 fan speed selections. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



## Colours Available

White RAL9016 (standard)  
Any classic RAL colour  
Stainless steel

## Fan Options

EC fan

## Mounting Options

Horizontal

## Heating Options

Air only

## Max Door Height

2.0m 3.0m  
3.5m 4.0m

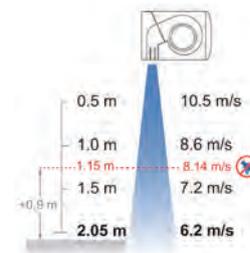
## Lengths Available

1.0m 1.5m 2.0m  
2.5m 3.0m



## Fly K • Air only

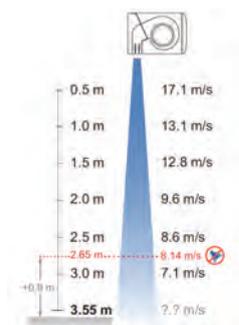
Model	Max mounting height (m)	Airflow (m³/h)	Power/current fans (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
FLY K 1000 A	2	2700	0.213/1.86	61	37
FLY K 1500 A	2	3600	0.284/2.48	62	56
FLY K 2000 A	2	5400	0.426/3.72	63	71
FLY K 2500 A	2	6300	0.497/4.34	64	78
FLY K 3000 A	2	7200	0.568/4.96	65	86



According to standard NSF-37-2012, the maximum installation height is the speed profile point at 8.14m/s plus 0.9m. So FLY K can be used until 1.15m+0.9m=2.05m.

## Fly KBB • Air only

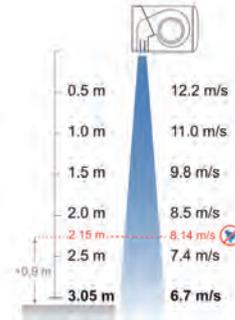
Model	Max mounting height (m)	Airflow (m³/h)	Power/current fans (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
FLY KBB 1000 A	3.5	3900	0.921/4.08	67	38
FLY KBB 1500 A	3.5	5200	1.228/5.44	67.5	62
FLY KBB 2000 A	3.5	7800	1.842/8.16	68	77
FLY KBB 2500 A	3.5	9100	2.149/9.52	68.5	93
FLY KBB 3000 A	3.5	10400	2.456/10.88	69	106



According to standard NSF-37-2012, the maximum installation height is the speed profile point at 8.14m/s plus 0.9m. So FLY KBB can be used until 2.65m+0.9m=3.55m.

Fly KL • Air only

Model	Max mounting height (m)	Airflow (m³/h)	Power/current fans (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
FLY KL 1000 A	3	4000	1.40/6.00	63	76
FLY KL 1500 A	3	6000	1.56/6.60	64	114
FLY KL 2000 A	3	8000	2.08/8.80	65	153
FLY KL 2500 A	3	10000	2.60/11.00	66	187
FLY KL 3000 A	3	12000	3.12/13.20	67	225



According to standard NSF-37-2012, the maximum installation height is the speed profile point at 8.14m/s plus 0,9m.

So FLY KL can be used until 2.15m+0.9m=3.05m.

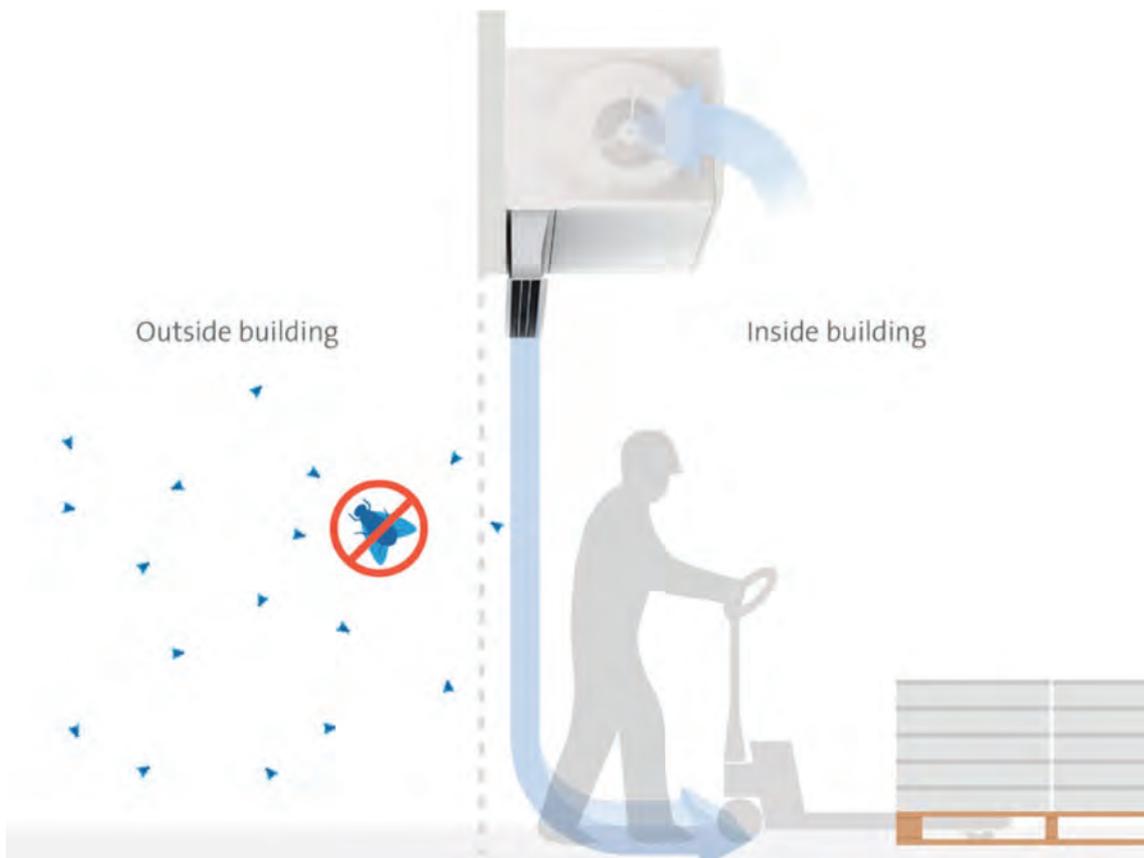
Fly KXL • Air only

Model	Max mounting height (m)	Airflow (m³/h)	Power/current fans (kW/A)	Noise level (@5m) dB(A)	Weight (kg)
FLY KXL 1000 A	4	5300	1.04/6.00	65	82
FLY KXL 1500 A	4	7950	2.10/9.00	66	123
FLY KXL 2000 A	4	10600	2.80/12.00	67	165
FLY KXL 2500 A	4	13250	3.50/15.00	68	202
FLY KXL 3000 A	4	15900	4.20/18.00	69	243



According to standard NSF-37-2012, the maximum installation height is the speed profile point at 8.14m/s plus 0.9m.

So FLY KXL can be used until 3.1m+0.9m=4.0m.



# Air Curtain Controllers

## Advanced Pro Controller

An advanced controller, with built in sensors that intelligently monitor and control temperatures.



### Features

- 2 and 5 fan speed
- 3 heating stages for electrically heated units
- Hand held infrared remote control
- 2.8" LCD screen with backlight and touch display.
- Integrates an ambient temperature sensor and door sensor.
- Door delay, maintenance programming, speed and heating limitation, control memory, temperature units, auto-cooling program, control lock and boost mode.
- Plug & Play connection with RJ11 cable.

**This controller is suitable for the Mini Optima, Recessed Optima, Aris, Top, Dam, Industrial Windbox, Invisair, Kool, Maxwell, Recessed Windbox, Rotowind, Rund, Smart, Windbox and Zen air curtain.**



ADVANCED PRO  
✓ Included

IR Control  
✓ Included

RJ11 Cable  
✓ Included

## Clever Pro Controller

Compact and powerful wall mounted controller, with 2.8 inch backlit colour TFT screen, with intelligent control, to automatically control the air curtain to the building entrance conditions, optimising comfort and energy efficiency.



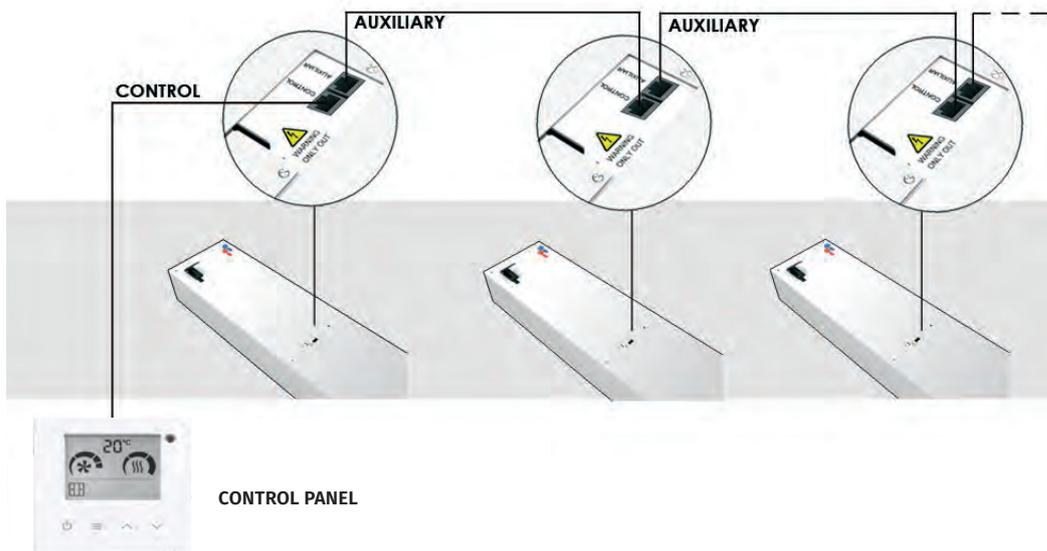
### Features

- Compact ABS housing in RAL9016 white with protected circuit board
- Touchpad control with quick-access and setup menus
- Plug & Play connection with RJ11, USB, DIN, or MODBUS RTU BMS.
- Built-in timer, calendar mode, and service alert.
- Automatic or semi-automatic operation via door and temperature sensors.
- Boost and thermo fan modes for heating or adverse conditions.
- Door contact and 7 metres of control cable included
- Up to 12 units can be connected to one controller

**This controller is suitable for the Mini Optima, Recessed, Optima, Aris, Top, Dam, Industrial Windbox, Invisair, Kool, Maxwell, Recessed Windbox, Rotowind, Rund, Smart, Windbox and Zen air curtain.**

## Multiple Air Curtain Connection

It is easy to manage several units using only one control panel, see example below.



## Air Genio Prime Controller

Allows for automatic control with manual override.



### Features

- 2 modes: Manual and Auto with Air Genio Prime application
- Built-in temperature sensor
- Timer, available 6 intervals for each day
- Available as master and slave variants controlling up to 10 units
- BMS connectivity - Modbus RTU
- Air Genio app with remote control functions

### Optional BMS or Cloud gateway:

Air Genio Prime BMS gateway designed for BMS integration of Air Genio Prime controlled devices via Modbus TCP or BACnet protocols.



This controller is suitable for the Essense Neo and Finesse air curtain.

Air Genio Prime Cloud gateway for cloud connection of Prime-controlled devices, to control and manage the device via a web interface, from any location.



## Air Genio Comfort Controller

This controller has a colour touch screen display for intuitive operation, connected to the air curtain using standard 4 core screened control cable.



### Features

- 3 fan speeds
- 2 heating stages for electrically heated units
- Error indication contact
- Available as master and slave variants controlling up to 10 unit
- BMS connectivity - Modbus RTU

### Options

- Door contact
- External 3 port on/off value

This controller is suitable for the Standesse air curtain.

## Air Genio Superior Controller

An advanced colour touch screen controller providing intuitive operation control, connected to the air curtain using standard 4 core screened control cable.



### Features

- 3 fan speeds
- 3 heating stages for electrically heated units controlled with PWM
- Automatic control with manual override
- Error indication contact
- Available as master and slave variants controlling up to 10 units
- BMS connectivity - Modbus RTU or modbus TCP

### Options

- Door contact
- External 3 port modulating value

This controller is suitable for the Standesse air curtain.

## Air Genio IC Prime Controller

This controller is suitable for the VCP industrial air curtain.



### Features

- 5 fan speeds
- Integrated timer
- Built-in temperature sensor
- Automatic antifreeze protection
- BMS connectivity - Modbus RTU
- Air Genio app with remote control functions

### Options

- Door contact

# EC Air Curtains



## EC technology

EC technology (electronically commutated) combines AC and DC voltages, bringing the best of both technologies; the motor runs on a DC voltage, but with a normal AC supply.

The EC motor transforms the voltage within the motor. The non-rotating part of the motor (stator) includes an electronic PCB board which incorporates power transformation AC to DC, as well as the controls.

EC motors have no slippage losses, thus increasing efficiency versus AC motors.

## EC motor principle

- Permanent-magnet brushless DC motor within the rotor.
- The stator is driven by electronic switches (which replace the Carbon brushes), controlled by a microcontroller.
- Electronic system (hall effect sensor or software is used to recognize the rotor position).
- AC operate 230Vx1, valid for 50/60Hz.

## Advantages and benefits

The new EC air curtains are efficient in reducing the running cost by up to 65% using EC instead of AC fans.

- Energy savings: minimum power consumption and better efficiency than AC equivalent.
- Low motor temperature: for longer lifetime than AC equivalent
- Simplicity: electronic and power transformation are completely integrated within the motor.
- High performance: speed can be driven up to 3600rpm.

**Available EC air curtains: Essense Neo, Finesse, Invisair, Kool, Rotowind, Rund, Smart, VCP, Windbox, Windbox Recessed and Zen.**

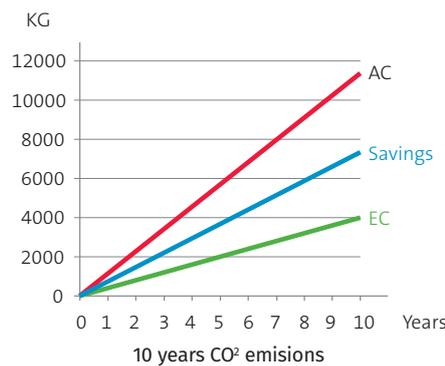
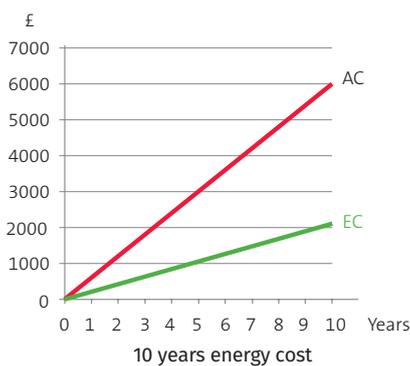
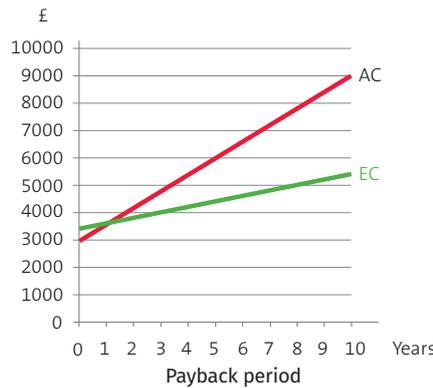
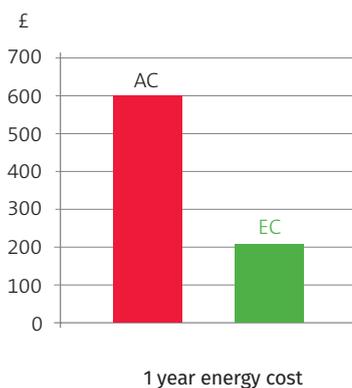
## EC vs AC air curtain - energy saving example

How much money can I save using an EC air curtain?

### Example:

- Door dimension: 2m width by 3.8m height
- Running time: 12 hours/day, 5 days/week, 52 weeks (~ 1 year)
- Energy cost: £0.15 kW/hr
- Selected unit: AC - G2000 EC - ECG2000

	AC air curtain	EC air curtain	Difference
Total fans power	1.284 kW	0.450 kW	-0.834
Air curtain price	£4,014	£4,317	£303.00
Total fan energy consumption	4006 kW/hr	1404 kW/hr	-2602
Energy Cost	£601	£211	-£390.00
CO2 Emissions	2111 kg	740 kg	-1371



**Result:** The payback period for the cost of the EC fan upgrade is 1 1/2 years. After this time, energy usage will be lower and savings will be made. Installing an EC air curtain will also reduce CO2 emissions to the environment.

# Accessories

We offer a large range of accessories, which can be provided upon request. Here are some of the possibilities.

## Customisation



Cut Vinyl Graphics



Digital Panels



Full Panel Images



Signage



Clocks

## Mounting



Feet



Wall



Arms



Vibration Dampers



Mounting "Goal posts"

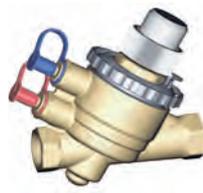
## Valves



Thermostatic



Solenoid



Modulating Valves



## Sensors



Anti-freeze



Door Contact



External Temperature



**JS Air Curtains**

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**Sales Office:** Ground Floor Office, Halls Orchard Barn, Oak Lane, Apuldram, Chichester PO20 7FD

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