



## BASIC AIR CURTAINS

XLA-C  
SERIES



### OVERVIEW CHARACTERISTICS

#### OVERVIEW:

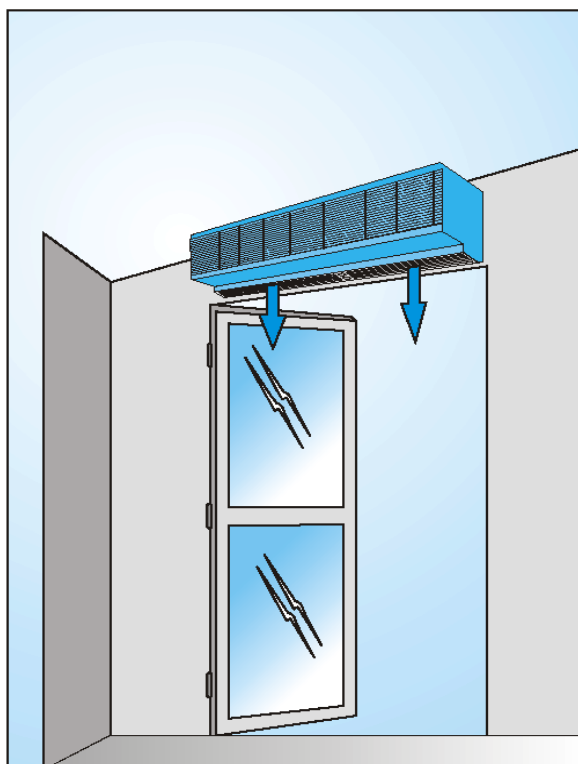
For many applications, such as in shops with large numbers of clients coming in and out, a traditional entrance door may act as a psychological barrier to customers that shop owners would obviously like to avoid (typical examples are: large department stores, supermarkets, bars, restaurants and boutiques).

One solution is automatic doors, but these create other difficulties. In fact, each time the door opens (due to someone simply passing along the pavement), the outside air comes into the shop, causing discomfort, and sometimes even illnesses for personnel and customers, as well as increasing energy consumption by air-conditioning systems.

The XLA-C series of air-curtains resolve all these problems simultaneously - the customer is induced to enter, the thermo hygrometric conditions of the air remain constant and energy consumption is does not increase. In fact, consumption may drop as these barriers generate an air ring that reduces stratification (Bernoulli effect). This draws the air from the hotter areas in the room and provides a uniform temperature throughout.

XLA-C air curtains also prevent dust, exhaust fumes, smells, and insects from entering the room.

XLA-C air-curtains can even be used within the same building, to separate areas with different climate conditions. For example, heated areas from warehouses without heating.



Control buttons  
with speed selection



On/Off infra-red remote control



## BASIC AIR CURTAINS

XLA-C  
SERIES



### OVERVIEW CHARACTERISTICS

#### CHARACTERISTICS:

The unit, painted RAL9016, is installed above the entrance door, using normal expansion anchors. The room air is drawn in by the fan, passed through the grille on the front and is ejected downwards. The continuous flow of air forms an invisible "curtain" that travels all the way to the floor. The fins on the air outlet can be adjusted. The unit has a 2-speed fan, with a selector switch on the unit itself and a practical remote control is also supplied.

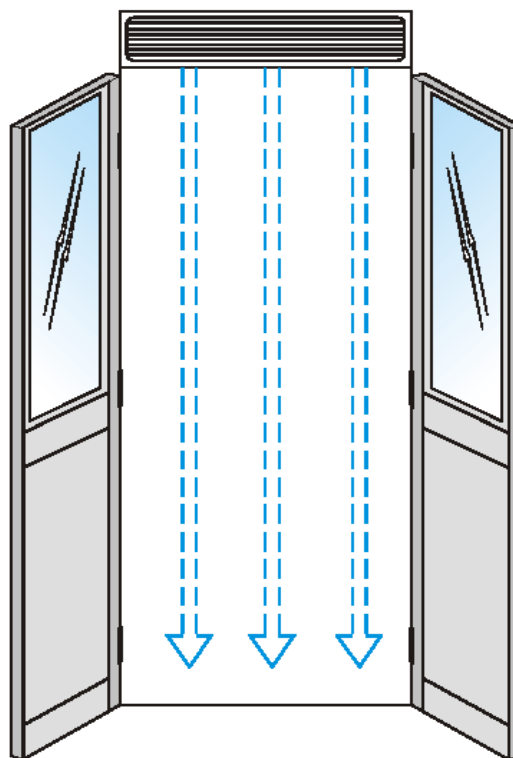
The curtain must cover at least the full width of the doorway for which it is installed. If necessary, two or more curtains can be installed side by side to cover very wide entrances. For best results the air outlet grille must be flush with the upper edge of the door and the air flow rate at floor level must be between 1.5 and 2.5 m/s.

The models shown in the table are suitable for doors up to 2.8m high. For smaller heights, the unit can be switched to slow speed if high speed generates bothersome draughts.

#### STRONG AND SIMPLE:

The installed ventilators pass fully the continuous 50,000 hrs test of use without any sign of loss of performance, overheating or wearing

Maintenance is limited to the periodic internal cleaning of dust, helped by the possibility of opening the unit without the use of any tools.



Model	size mm	power supply V	frequency Hz	power W H-L	air flow m <sup>3</sup> /h H-L	air speed m/sec H-L	noise level dBa H-L	wieght Kg
XLA-C09S	900x230x215	220-240	50	300-270	1100-900	16-13	52-49	16
XLA-C12S	1200x230x215	220-240	50	400-360	1500-1200	16-13	53-50	18

H= high speed

L= low speed



## OVERVIEW FOR DOMESTIC USE

## XLB SERIES



### OVERVIEW CHARACTERISTICS

#### OVERVIEW:

Air-curtain are compact units that are generally installed at openings to the outdoors. They generally resolve three main requests:

- Reduce entry of cold air in winter (or hot air in summer) from the outside.
- Prevent dust, odours and insects entering the areas to be protected.
- Can complete or replace a heating system.

The XLB series of air-curtain are ideal for use in locations such as bars, hotel entrances, shops, libraries, restaurants, display areas, refrigerated stores, offices, etc.

#### CHARACTERISTICS:

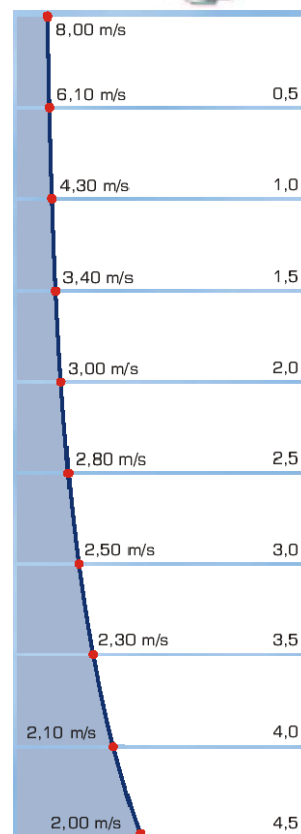
The XLB series of air curtains is suitable for openings of up to 3.5 metres high (2.8 m for water heated versions), and are available in 1/1.5/2 metres in length.

They can be supplied with or without an electric or water heating coil.

The air flow rate and the power are controlled using a wall-mounted remote control, with an on-off function plus 3 speeds.

The air supply deflectors can be adjusted to allow an accurate direction of the air flow.

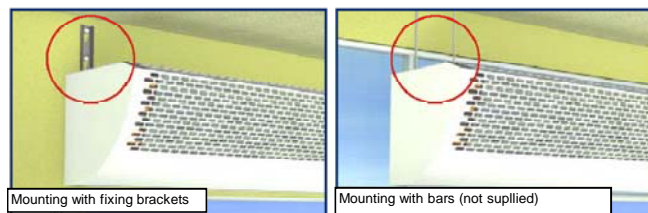
Fixing brackets are also supplied with the unit, allowing a quick and easy installation.



#### REMOTE CONTROLS:



#### INSTALLATION:



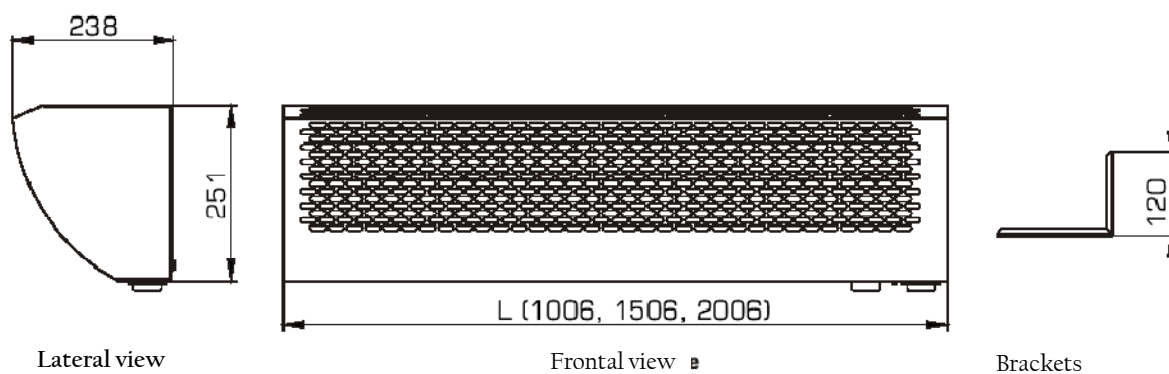


## AIR-CURTAIN BARRIERS FOR DOMESTIC USES

XLB  
SERIES

### CONSTRUCTION DETAILS TECHNICAL DATA

#### CONSTRUCTION DIMENSIONS



Dimensions in mm

#### TECHNICAL DATA:

Model code	Length [mm]	Flow rate [m <sup>3</sup> /h]	Heating	Power [kW] N° of stages	Speeds	Power Supply [A / V / Hz]	Noise [dB(A)]	Weight [kg]
XLB-10SSM	1.000	1.500	NO	-	3	0,9 / 230 / 50	50,4	17,6
XLB-15SSM	1.500	2.200	NO	-	3	0,9 / 230 / 50	51,1	20,9
XLB-20SSM	2.000	2.950	NO	-	3	0,9 / 230 / 50	52,2	24,5
XLB-10LSM	1.000	1.350	ELECTRICAL	4,5** - 1	3	9,6 / 400 / 50	50,2	18,6
XLB-15LSM	1.500	2.000	ELECTRICAL	6,0** - 1	3	13,9 / 400 / 50	50,9	22,7
XLB-20LSM	2.000	2.700	ELECTRICAL	12,0 - 1	3	18,3 / 400 / 50	52,0	26,9
XLB-10VSM	1.000	1.100	WATER	7,8*	3	0,9 / 230 / 50	48,8	22,7
XLB-15VSM	1.500	1.650	WATER	12,8*	3	0,9 / 230 / 50	49,5	28,4
XLB-20VSM	2.000	2.200	WATER	17,7*	3	0,9 / 230 / 50	50,6	34,4

\* Values at air temperature of 18 °C and water temperature of 80-60 °C

\*\* A more powerful electric version is available upon request.



## AIR CURTAINS FOR COMMERCIAL USE

XLC  
SERIES

### OVERVIEW CHARACTERISTICS

#### OVERVIEW:

These air-curtain are used to separate two rooms with different temperature conditions. As it descends, the air curtain separates the indoor environment, with clean air, heating, or air conditioning, from the outdoor environment. This prevents heated or cooled air from flowing out of the room and dust and insects entering the treated area.

XLC air curtains are supplied with two types of intake grilles - a drilled plate (standard) supplied with the air curtain or a satin-finish aluminium grille (elegance) that can be ordered separately.

When the entrance is to remain open, the air barrier may also act as a heat source.

XLC air-curtains are suitable for use in supermarkets, hotels, restaurants, shopping centres, public offices, stores, warehouses, etc.

The XLC series of air curtains are designed using high quality

#### CHARACTERISTICS:

The XLC series of air curtains is suitable for openings of up to 3.2 metres high, and are available in 1/1.5/2 metres in length..

Versions are also available with a water heat exchanger (battery), with an electric heating coil, or without any heat exchanger.

The flow rates can be adjusted in three ways, according to the desired control. Remote controls are supplied as standard accessories with all XLC units.

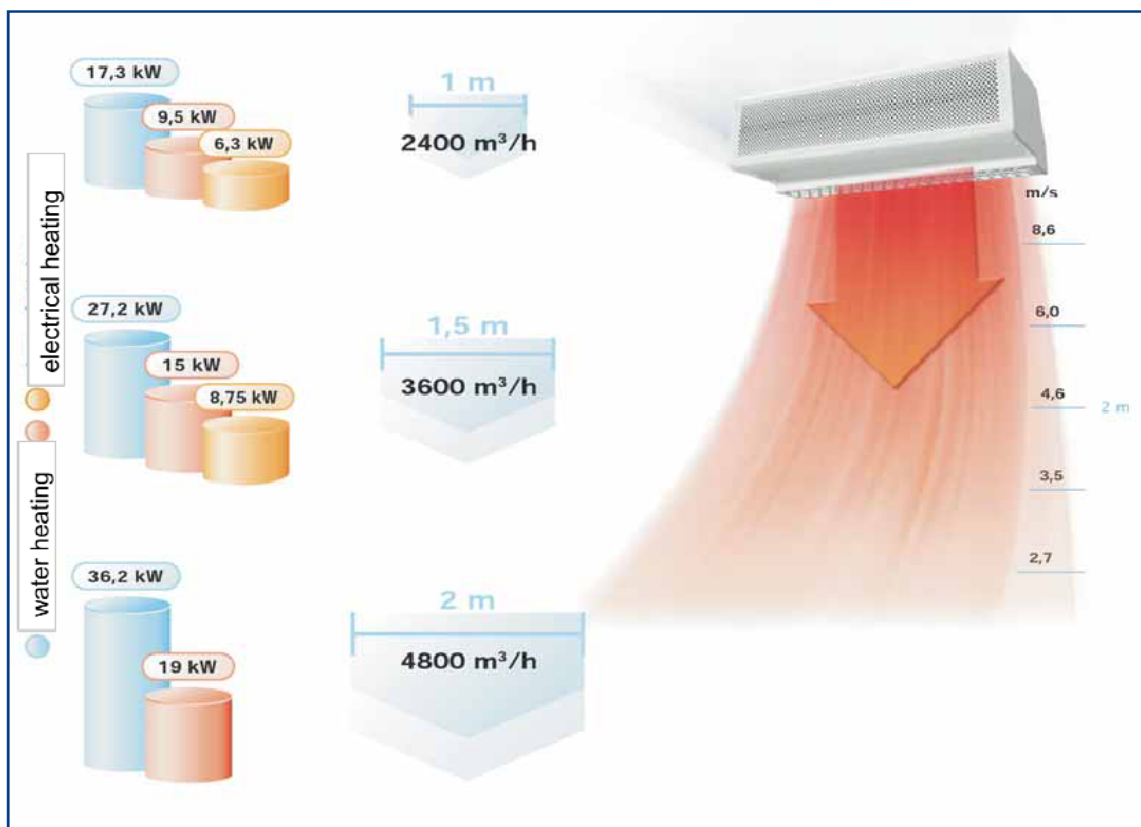
The air curtains are painted RAL 9010 white or Silver on request.

The inside parts are coated with insulated material in order to reduce noise levels.

The external grilles make it possible to direct the air very effectively, to provide an efficient barrier.

Various types of fixings can be used to install these air barriers anywhere.

XLC barriers are designed to be installed by hanging them in open spaces or by fitting them in suspended ceilings using special accessories.





## AIR CURTAINS FOR COMMERCIAL USE

XLC  
SERIES



### CONSTRUCTION

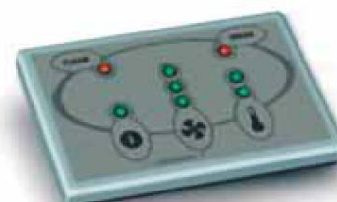
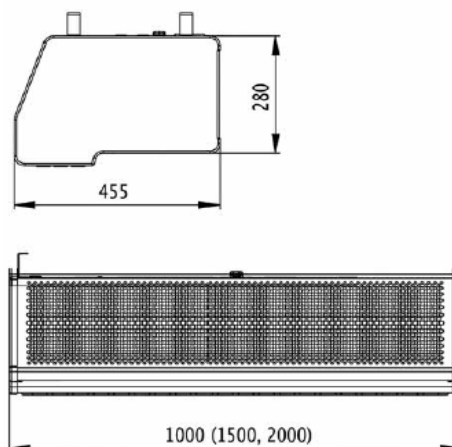
#### CONSTRUCTION:

The casing is made of painted, galvanised sheet. The visible parts are painted RAL 9010 white. The upper part of the casing has four connecting points, with M8 type nuts.

The fans used conform to current standards and are fitted with self-lubricating bearings, which ensure a long, maintenance-free lifespan of the unit. The motor speed can be controlled by varying the voltage between 0 and 100%.

The version with the electric resistance is fitted with two safety thermostats. In standard operating mode, the thermostat keeps the air at the outlet below 35 °C. The safety thermostat switches the entire unit off if the temperature rises above 90 °C. The electric resistances are made of stainless steel.

The heating battery is made of Cu/Al and is designed for a maximum temperature of 100 °C, with a corresponding maximum pressure of 1.6 MPa. The casing is provided with a socket for fitting a temperature sensor, or a sensor for the thermostatic valve that controls the power supply via a butterfly valve.



Pannello di controllo



## AIR CURTAINS FOR COMMERCIAL USE

XLC  
SERIES

### PERFORMANCE

Model code	Maximum height [m]	Length [mm]	Max air flow [m <sup>3</sup> /h]	Heating	Thermal power [kW]	Power supply [A / V / Hz]	Noise level [dB(A)]***	Weight [kg]
XLC-EI0SSM	3,2	1.000	2.400	NO	-	1,1 / 230 / 50	52,5	29
XLC-EI5SSM	3,2	1.500	3.600	NO	-	1,7 / 230 / 50	55,0	41
XLC-E20SSM	3,2	2.000	4.800	NO	-	2,2 / 230 / 50	56,5	50
XLC-EI0EDM	3,2	1.000	2.350	ELECTRIC	4,7 / 9,5	14,9/400+N/50****	52,5	32
XLC-EI5EDM	3,2	1.500	3.525	ELECTRIC	7,5 / 15,0	23,4/400+N/50****	55,0	45
XLC-E20EDM	3,2	2.000	4.700	ELECTRIC	9,5 / 19,0	39,7/400+N/50****	56,5	54
XLC-EI0WDM	3,0	1.000	2.150	WATER	17,3	1,1 / 230 / 50	52,0	37
XLC-EI5WDM	3,0	1.500	3.225	WATER	27,2	1,7 / 230 / 50	54,5	52
XLC-E20WDM	3,0	2.000	4.300	WATER	36,2	2,2 / 230 / 50	56,0	62

\* Values for one stage / two stages activated

\*\* Values for a temperature of 18 °C and water temperature gradient of 90/70 °C

\*\*\* The noise pressure level refers to the maximum flow and is measured at 3m from the air exit opening of the unit according to EN-ISO 3743-1 ed EN-ISO 3744 norms

\*\*\*\* For models with electric heating, a three phase power supply, with neutral, has to be installed prior to the installation of the air curtain.

### ACCESSORIES

XLC-SKDA	Pair of supports for wall fixing
XLC-SDA	Pair of supports for ceiling fixing
XLC-DS	door opening switch - versions without heating
XLC-DK1	Door opening switch - versions with heating
XLC-TERP	Wall thermostat
XLC-V135	Three way valves with membrane.





# AIR-CURTAIN FOR CEILING INSTALLATIONS

## XLD SERIES

### OVERVIEW CHARACTERISTICS

#### OVERVIEW:

The XLD series of air-curtains provide a modern solution to all ceiling applications. This product class provides high air flow rates to suit any need. They are easy to install in any type of ceiling and the air stream can be heated thereby reducing or even eliminating the need for any other heat source.

The XLD series provide the ideal design and solution for all installations in which aesthetic appearance is important, such as in banks, hotels, restaurants, business centres, conference rooms, etc.

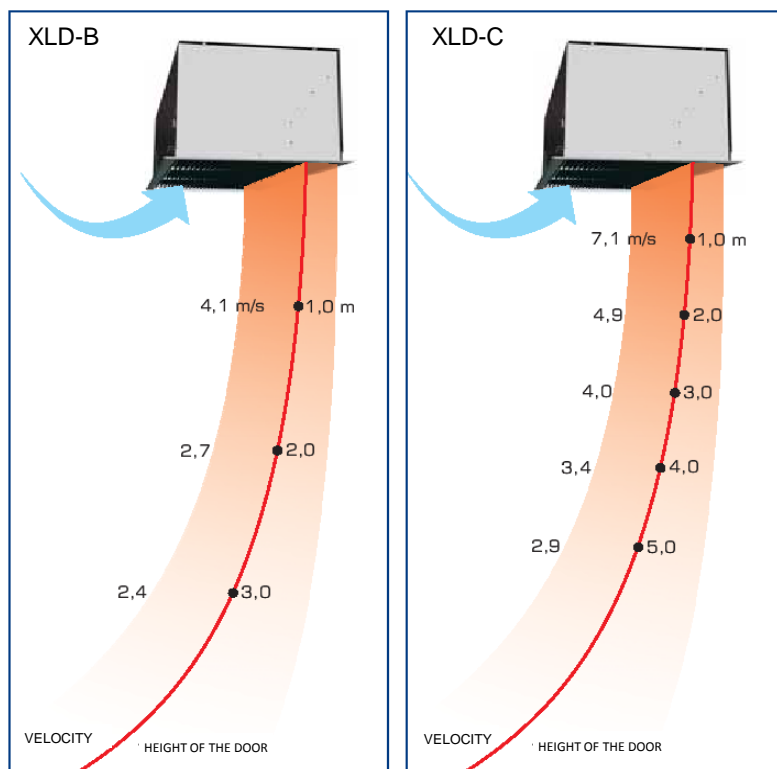


#### CHARACTERISTICS:

The XLD series of air curtains is suitable for openings between 3.2 (XLD-B) and 5 (XLD-C) metres high and is available in 1/1.5/2 metre lengths. The standard colour used is RAL 9002 white. Other colours are available upon request.

Other versions are also available with water heat exchangers (coils), electric resistances, or without any heat exchanger. Flow rates can be adjusted in three different positions, depending on the type of control required.

The XLD series of barriers are air barriers with a manual remote control as a standard accessory.





# AIR-CURTAINS FOR CEILING INSTALLATIONS

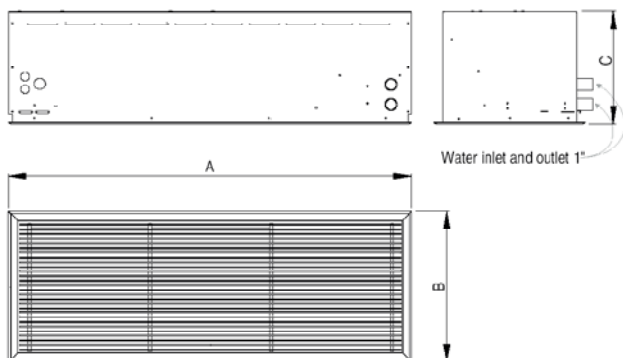
XLD  
SERIES

## CONSTRUCTION DETAILS



### CONSTRUCTION:

The particular compactness and high-level engineering of this product makes it possible to install it inside low suspended ceilings and simplify internal maintenance and/or inspection. In addition, these equipment have pre prepared holes for fixing to the ceiling.



Model	A [mm]	B [mm]	C [mm]
XLD-*10*	1.100	410	304
XLD-*15*	1.500	410	304
XLD-*20*	2.000	410	304



## AIR-CURTAIN BARRIERS FOR CEILING INSTALLATIONS

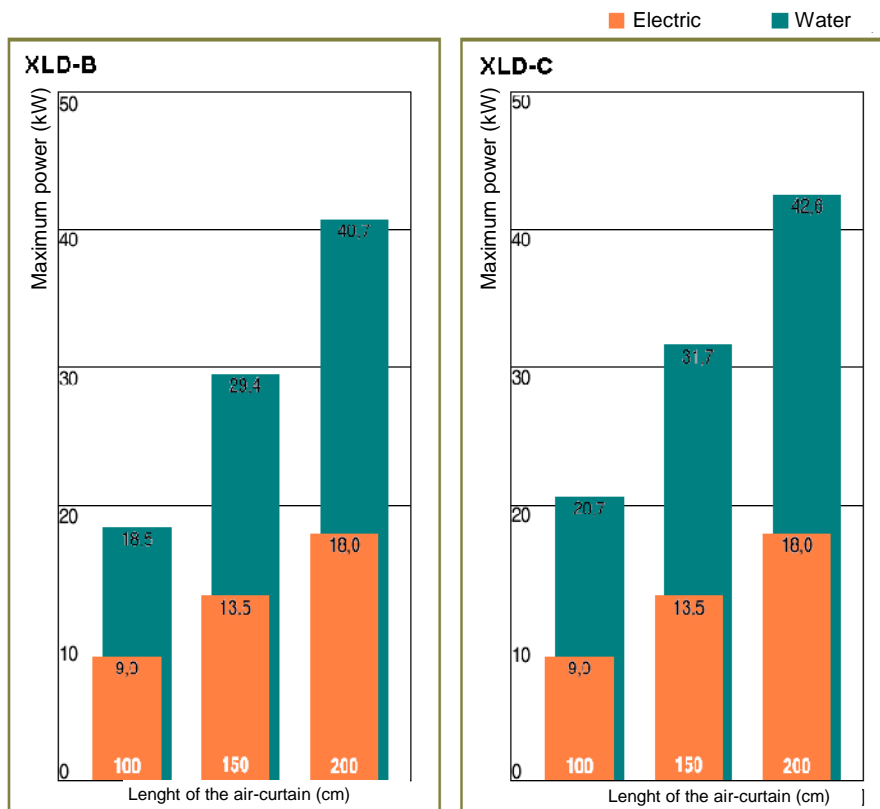
XLD  
SERIES

### PERFORMANCE

Model code	Maximum height [m]	Length [mm]	Maximum flow rate [m <sup>3</sup> /h]	Heating	Power [kW]	Power supply [A / V / Hz]	Noise [dB(A)]**	Weight [kg]
XLD-B10SSM	4,0	1.100	2.240	NO	-	2,0 / 230 / 50	54,8	21,0
XLD-B15SSM	4,0	1.500	3.360	NO	-	3,0 / 230 / 50	58,9	34,0
XLD-B20SSM	4,0	2.000	4.480	NO	-	4,0 / 230 / 50	60,5	48,0
XLD-B10ESM	4,0	1.100	2.220	ELETTRIC	9,0	15,0 / 400 / 50	54,8	25,0
XLD-B15ESM	4,0	1.500	3.330	ELETTRIC	13,5	22,5 / 400 / 50	58,9	37,0
XLD-B20ESM	4,0	2.000	4.440	ELETTRIC	18,0	30,0 / 400 / 50	60,5	51,0
XLD-B10VSM	4,0	1.100	2.180	WATER	18,5 / 15,1*	2,0 / 230 / 50	53,6	27,0
XLD-B15VSM	4,0	1.500	3.270	WATER	29,4 / 24,1*	3,0 / 230 / 50	57,4	41,0
XLD-B20VSM	4,0	2.000	4.360	WATER	40,7 / 33,4*	4,0 / 230 / 50	58,6	57,0
XLD-C10SSM	7,5	1.100	2.860	NO	-	3,0 / 230 / 50	55,6	24,0
XLD-C15SSM	7,5	1.500	3.990	NO	-	4,0 / 230 / 50	59,5	37,0
XLD-C20SSM	7,5	2.000	5.040	NO	-	5,0 / 230 / 50	60,9	51,0
XLD-C10ESM	7,5	1.100	2.790	ELETTRIC	9,0	16,0 / 400 / 50	55,6	28,0
XLD-C15ESM	7,5	1.500	3.890	ELETTRIC	13,5	23,5 / 400 / 50	59,5	40,0
XLD-C20ESM	7,5	2.000	4.920	ELETTRIC	18,0	32,0 / 400 / 50	60,9	53,0
XLD-C10VSM	7,5	1.100	2.680	WATER	20,7 / 16,9*	3,0 / 230 / 50	54,7	30,0
XLD-C15VSM	7,5	1.500	3.740	WATER	31,7 / 26,0*	4,0 / 230 / 50	57,9	43,0
XLD-C20VSM	7,5	2.000	4.720	WATER	42,6 / 35,0*	5,0 / 230 / 50	58,9	60,0

\* Values for air temperature of 18 °C and water temperature gradient of 90/70 °C / 80/60 °C

\*\* The acoustic pressure level refers to the maximum flow rate







## AIR-CURTAINS FOR INDUSTRIAL USES

XLE  
SERIES

### OVERVIEW CHARACTERISTICS

#### OVERVIEW:

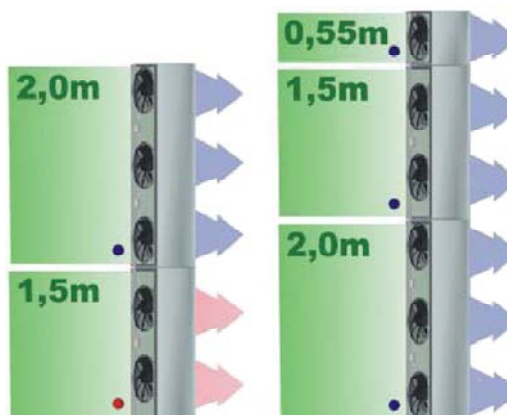
The XLE series of air-curtains is designed to create an air barrier on industrial doorways in workshops, stores, warehouses, garages and internal areas with different temperatures on either side, etc. Their high performance and simple, strong structure make them the most suitable units for this type of application.

The XLE series of industrial air barriers are made using high quality components to guarantee excellent value for money. The structure comprises galvanised or RAL9002 white steel sheet, with a protective coating. The fan support plate is unpainted and made of galvanised sheet. The helical fans have closed rotors, with self-lubricating bearings, making them maintenance-free. This allows the unit to work without any problems, even under the most demanding working conditions. The fan motors are also fitted with internal thermostats to prevent any possible damage due to overheating. The air curtains come 550, 1,500 and 2,000 mm long modules and these can be installed side by side or overlapped to suit the width of the opening to be covered. The units are joined to one another using brackets supplied with the modules themselves. This modular system makes it possible to guarantee a uniform airflow of a constant intensity over the entire barrier, which is not always possible with other types of air-curtain. The various modules can be supplied without heating, with a water or heated water heat exchanger, or with heated electrically. The modules with water heat exchangers can be provided with temperature sensors with a anti-freeze function.

#### CHARACTERISTICS:

The XLE series of air curtains are made to be suspended above doorways using specific support brackets. The maximum working height is 4.5 metres. Alternatively, they can be installed on one side of the opening (max width 4.5 metres) or both sides of the opening to cover an opening 9 metres wide. In this case the air curtain units are fixed to the floor and at the top, using suitable brackets.

The various modules (550, 1500 and 2000 mm) can be placed alongside one another to obtain the required width or height. For vertical installations, in order to reduce energy consumption, a "mixed combination" can be set up. This type of installation involves modules that are heated at the bottom and neutral modules higher up, thereby making use of the hot air normally found in the upper areas of the room.



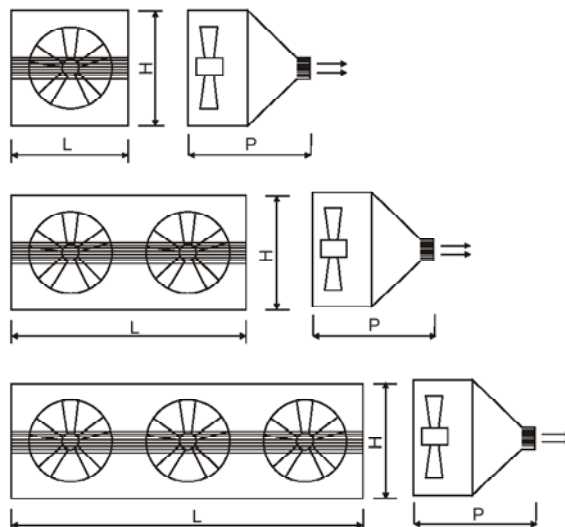


## AIR-CURTAINS FOR INDUSTRIAL APPLICATIONS

XLE  
SERIES

### CONSTRUCTION DETAILS AND PERFORMANCE

#### CONSTRUCTION :



Model	L [mm]	H [mm]	P [mm]
XLE-055*	550	550	540
XLE-150*	1.500	550	540
XLE-200*	2.000	550	540

#### PERFORMANCE :

Model code	Length [mm]	N° of fans per module	Maximum flow rate [m <sup>3</sup> /h]	Heating	Power [kW]	Power supply [A / V / Hz]	Noise [dB(A)]**	Weight [kg]
XLE-055SO	550	1	3.500	NO	-	0,48 / 400 / 50	70,5	25,0
XLE-150SO	1.500	2	6.600	NO	-	0,96 / 400 / 50	68,0	67,0
XLE-200SO	2.000	3	10.200	NO	-	1,44 / 400 / 50	67,0	90,0
XLE-055EO	550	1	3.250	ELETTRICO	9,0	0,48 / 400 / 50	70,2	29,5
XLE-150EO	1.500	2	6.350	ELETTRICO	12,0	0,96 / 400 / 50	68,0	79,0
XLE-200EO	2.000	3	10.000	ELETTRICO	18,0	1,44 / 400 / 50	67,0	106,0
XLE-055TO	550	1	2.650	ACQUA	13,1*	0,48 / 400 / 50	72,0	37,0
XLE-150TO	1.500	2	5.250	ACQUA	23,8*	0,96 / 400 / 50	70,0	99,0
XLE-200TO	2.000	3	8.100	ACQUA	35,9*	1,44 / 400 / 50	69,0	133,0

\* Values for air temperature of 18 °C and water temperature gradient of 90/70 °C