

BLAV

Vertical air curtain



Product	BLAV
Height	250 cm
Air flow rate	Up to 4700 m ³ /h

SPECIFICATION

High performance, quiet and elegant air curtains used in buildings such as banks, museums, luxury shops, libraries, airports, theatres, administrative buildings

APPLICATION

The air throw effectively protects openings up to 4 metres wide. Therefore, installing two air curtains on both sides of the door, openings up to 8 metres wide are protected

CHARACTERISTICS

Standard colour RAL 9010 (any RAL colour on request).
Left or right installation possible.

W: Water heating
E: Electric heating
S: Without heating



WATER HEATING



ELECTRIC HEATING



WITHOUT HEATING

PERFORMANCE UNDER STANDARD CONDITIONS

BLAV FOR DOORS UP TO 4 M WIDE

Model	Air flow rate m ³ /h			Sound pressure at 3 m dB(A)			Increase Temp. °C	Power [kW/A]	Wt. kg
	Speed 3	Speed 2	Speed 1	Speed 3	Speed 2	Speed 1			
BLAV 25S	4700	3400	2450	54,9	48,8	41,0	-	1,65 / 7,0	95,0
BLAV 25E	4600	3300	2400	54,5	48,3	40,4	15,5	25,65 / 42,0	103
BLAV 25W	4350	3100	2200	54,0	47,7	39,6	34,4	1,65 / 7,0	104



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WATER COIL PARAMETERS FOR TEMPERATURE DIFFERENCE 90/70°C

Model	Air flow rate m ³ /h	Thermal output kW	Outlet temperature °C	Water flow rate l/s	Pressure drop kPa
BLAV 25W	4350	50,1	52,0	0,6	73,0

WATER COIL PARAMETERS FOR TEMPERATURE DIFFERENCE 80/60°C

Model	Air flow rate m ³ /h	Thermal output kW	Outlet temperature °C	Water flow rate l/s	Pressure drop kPa
BLAV 25W	4350	41,5	46,5	0,5	52,0

WATER COIL PARAMETERS FOR TEMPERATURE DIFFERENCE 70/50°C

Model	Air flow rate m ³ /h	Thermal output kW	Outlet temperature °C	Water flow rate l/s	Pressure drop kPa
BLAV 25W	4350	33,9	40,6	0,4	34,0

WATER COIL PARAMETERS FOR TEMPERATURE DIFFERENCE 60/40°C

Model	Air flow rate m ³ /h	Thermal output kW	Outlet temperature °C	Water flow rate l/s	Pressure drop kPa
BLAV 25W	4350	24,2	34,6	0,3	19,0

WATER COIL REGULATION

DEVIATION (WITH CAPILLARY)

The thermostatic valve V135-3/4B regulates the flow rate by diverting water to the coil or to the return circuit to the boiler, depending on the temperature detected by the capillary at the outlet of the

A valve must be installed for each air curtain.



DEVIATION (ON-OFF)

The three-way valve ZV3 with servo control receives the room thermostat signal TER-P; the valve channels water to the coil or to the return circuit to the boiler depending on room temperature.

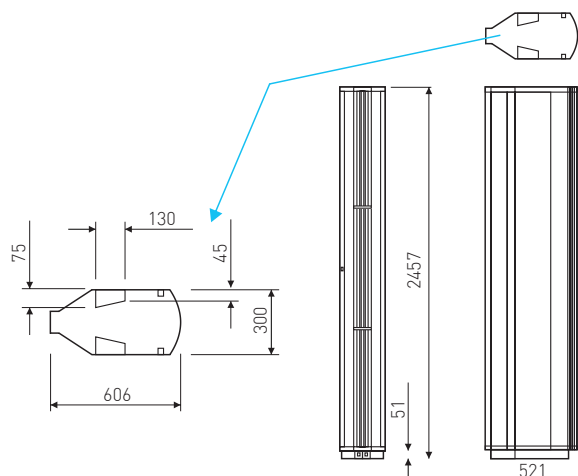
A valve must be installed for each air curtain.



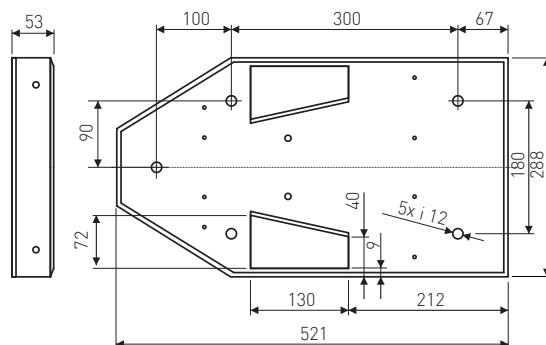
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DIMENSIONS (mm)



AIR CURTAIN DIMENSIONS



FIXING PLATE DIMENSIONS

Model	COMFORT	SUPERIOR
		
CODE →	VCS-R3-C0	VCS-R3-SU
Summary of available functions		
Control type	Touch screen	Touch screen
Mode	Manual/automatic	Manual/automatic
Air flow regulation	3 speeds	3 speeds (AC)
Electric heater regulation	Off/level 1/ level	• (PWM)
Water heater regulation	ON/OFF	0-10V
Frost protection	•	•
Possibility to connect a door contact	• (12V)	• (12V)
External control	•	•
Room temperature measurement	• (NTC)*	• (NTC)*
Concatenation	• (max 10+1)	• (max 10+1)
Selected function indication	• (display)	• (display)
Self learning mode	-	•
BMS connection	Modbus RTU	Modbus RTU, Modbus TCP, BACnet
Error indication	•	•
2nd control panel ready	•	•

* Temperature sensor included in supply



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DISTANCES TO BE OBSERVED

