

## SOLANO DESIGN



- 3-speed motor
- adjustable air stream
- crossflow fan
- vertical mounting
- air inlet on the upper side
- controlled by thermostat with speed controller
- door switch operation
- BMS connection possible

\* Optional water or electrical heater

Installation height <sup>(1)</sup>	[m]	5
Heating capacity <sup>(2)</sup>	[kW]	13,6-30,8
Air flow	[m <sup>3</sup> /h]	2000-6300
Weight	[kg]	25,8-41,9
Colour		white, RAL 9016
Lenghts	[m]	1; 1,5 or 2

<sup>(1)</sup> Range of vertical isothermal air stream at 2 m/s

<sup>(2)</sup> Inlet/outlet water temperature 90/70°C,  
inlet air temperature 10°C

### Application:

Used in offices and industrial buildings where a clean design is required. SOLANO DESIGN curtains are dedicated for horizontal installation directly above the door.

address

## Technical data

		Design W-100	Design N-100	Design E-100	Design W-150	Design N-150	Design E-150	Design W-200	Design N-200	Design E-200
Power supply	[V/Hz]	230/50	230/50	3x400/50	230/50	230/50	3x400/50	230/50	230/50	3x400/50
Power consumption	[kW]	0,36	0,40	7,5	0,46	0,48	11,5	0,50	0,54	15,5
Current consumption	[A]	1,7	1,9	11	2,1	2,1	16,6	2,3	2,4	22,4
Heating capacity	[kW]	13,6		7,0	23,0		11,0	30,8		15,0
IP		21	21	21	21	21	21	21	21	21
Connection	[“]	½	–	–	½	–	–	½	–	–
Air flow	[m³/h]	2900	3300	2900	4300	5000	4300	5500	6300	5500
Sound level <sup>(1)</sup>	[dB(A)]	59	60	59	60	61	60	60	61	60
Max. heating water temperature	[°C]	95	–	–	95	–	–	95	–	–
Max. operating pressure	[MPa]	1,6	–	–	1,6	–	–	1,6	–	–
Air temperature rise <sup>(2)</sup>	(ΔT) [°C]	14	–	11	16	–	12	17	–	13
Weight	[kg]	25,8	24,0	28,0	32,9	30,7	34,9	39,2	36,3	41,9

<sup>(1)</sup> Conditions: Distance to the unit 3 metres at 500 m³/h and medium room sound absorption, second Fan step

<sup>(2)</sup> Inlet/outlet water temperature 90/70°C and inlet air temperature 10°C

## Control comparison



### S-C REGULATION

The simplest control system for 3-step fans. Air curtain operation is regulated by 3-step fan speed controller with thermostat.



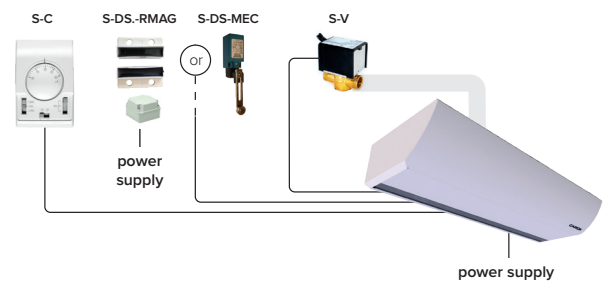
### S-TOUCH REGULATION

Intelligent control system for air curtains, that increases the functionality. Intelligent controller with touch screen.

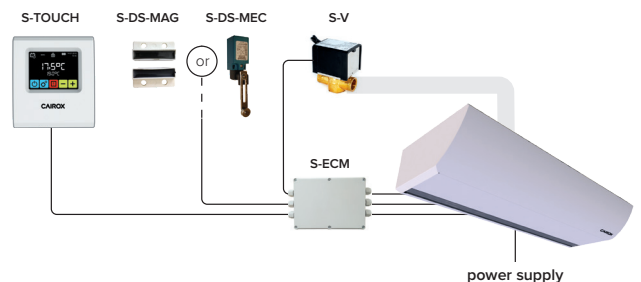
Controlling options	S-C REGULATION	S-TOUCH REGULATION
Manual 3-step air flow regulation	✓	✓
<b>Modes</b>		
Heating/Ventilation	✓	✓
Operation depending on door sensor and temperature	✓	✓
Weekly programmer		✓
BMS		✓
Switch-off delay		✓
Idle speed mode		✓
<b>Max. number of connected units</b>		
Via controller	2	31
Via additional splitters	18	n/a

## Connection diagrams

### Air curtains SOLANO DESIGN S-C REGULATION

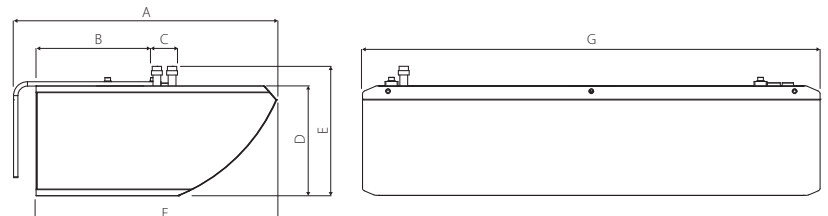


### Air curtains SOLANO DESIGN S-TOUCH REGULATION



## Dimensions

	DESIGN 100	DESIGN 150	DESIGN 200
A	605	605	605
B	280	280	280
C	70	70	70
D	255	255	255
E	300	300	300
F	555	555	555
G	1055	1545	2035



## Order example:

### DESIGN W – 100

- N** – curtain without heater exchanger (ambient)
- +** – curtain with water heater exchanger
- ⚡** – curtain with electric heaters