

## SOLANO CEILING



ready



BMS control  
system



up to  
31 units

- 3 lengths – 1 m, 1,5 m and 2 m
- 3-speed motor
- 5,0 -meter range\*
- adjustable air stream
- under the ceiling mounting
- cross flow fan
- controlled by thermostat with S-C or S-TOUCH
- door switch operation
- enhanced automation in standard
- BMS ready
- various operation modes
- different operation modes MASTER–SLAVE connection

Installation height <sup>(1)</sup>	[m]	5
Heating capacity <sup>(2)</sup>	[kW]	10,9–27,7
Air flow	[m <sup>3</sup> /h]	2200–6600
Weight	[kg]	31,7–53,2
Colour		white <sup>(3)</sup>
Lengths	[m]	1; 1,5 or 2

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

<sup>(2)</sup> For CEILING-W at inlet/outlet water temperature 90/70°C, inlet air temperature 10°C

<sup>(3)</sup> RAL 9016

### Application:

Representative rooms like stores, restaurants, showrooms etc. SOLANO CEILING units are designed for installation in suspended ceilings. Their advantage is possibility of installation in existing ceiling without cutting additional holes.

address

## Technical data

		Ceiling W-100	Ceiling N-100	Ceiling E-100	Ceiling W-150	Ceiling N-150	Ceiling E-150	Ceiling W-200	Ceiling N-200	Ceiling 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]	0,34	0,42	7,5	0,36	0,44	11,5	0,38	0,49	15,5
Current consumption	[A]	1,5	1,9	11	1,6	2	16,6	1,7	2,2	22,4
Heating capacity	[kW]	11,9	–	7,0	20,5	–	11,0	27,7	–	15,0
IP		21	21	21	21	21	21	21	21	21
Connection	[“]	½	–	–	½	–	–	½	–	–
Air flow	[m³/h]	2600	3500	2600	4000	4800	4000	5200	6600	5200
Sound level <sup>(1)</sup>	[dB(A)]	58	60	58	59	60	59	61	63	61
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]	15	–	11	15	–	12	16	–	13
Weight	[kg]	32,3	31,7	34,5	41,2	38,9	42,4	50	47,2	53,2
Weight of unit filled with water	[kg]	33,1	–	–	42,4	–	–	51,6	–	–
Range <sup>(3)</sup>	[m]					5				

<sup>(1)</sup> Acoustic pressure level measured for optimum installation height, on second step of efficiency, in the room with medium capability of sound absorption, capacity 500 m<sup>3</sup>, at distance of 3 m from the unit

<sup>(2)</sup> For CEILING-W at inlet/outlet water temperature 90/70°C and inlet air temperature 10°C / for CEILING-E at inlet air temperature 10°C

<sup>(3)</sup> Range of vertical isothermal air stream, at velocity limit above 2 m/s

## Control comparison



### S-C REGULATION

The simplest control system for 3-step fans. Operation of air curtain is regulated by 3-step fan speed controller with thermostat.



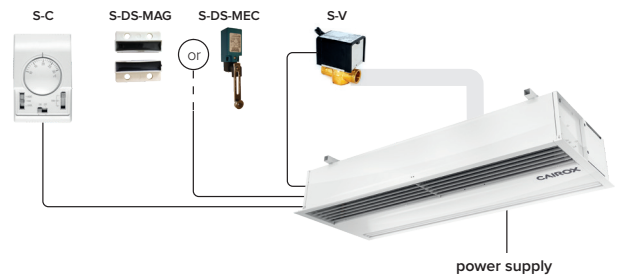
### S-TOUCH REGULATION

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

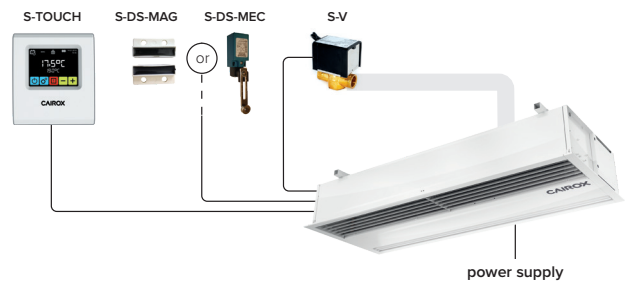
Controlling options	S-C	S-TOUCH
Manual 3-step air flow regulation	✓	✓
<b>Modes</b>		
Heating/Ventilation	✓	✓
Operation depending on door sensor and temperature	✓	✓
Weekly programmer		✓
BMS		✓
Switch-off delay		✓
Idle speed mode		✓
<b>Max. number of connected units</b>		
Via controller	5	31

## Connection diagrams

### Air curtains SOLANO CEILING S-C REGULATION

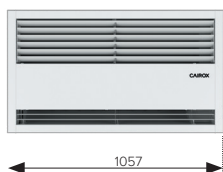


### Air curtains SOLANO CEILING S-TOUCH REGULATION

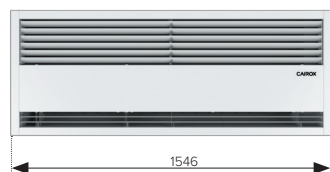


## Dimensions

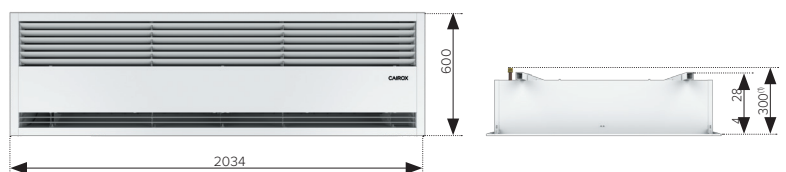
### CEILING N/W/E-100



### CEILING N/W/E-150



### CEILING N/W/E-200



<sup>(1)</sup> Concerns ELIS B-W

## Order example:

### CEILING W – 100

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