



Recessed air curtain

# Econ-C mini



## Description

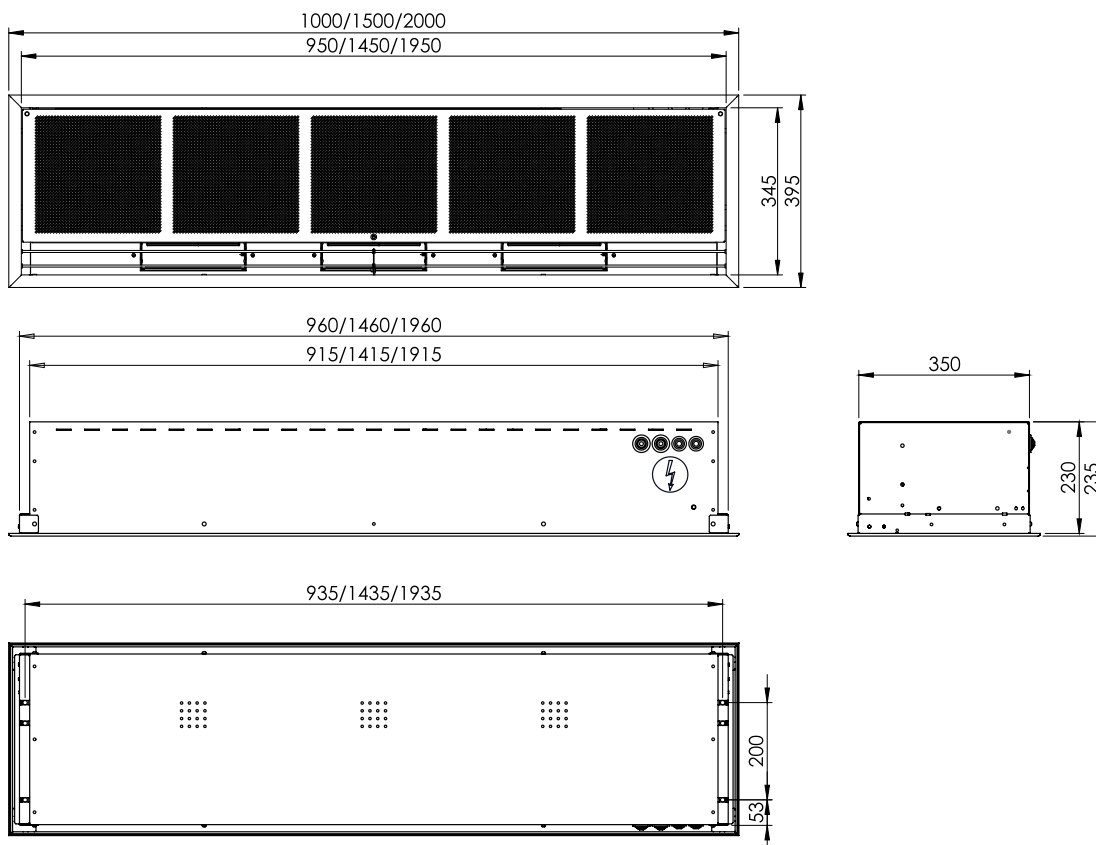
**Econ-C mini** air curtain represents basic and the most compact solution of comfort air curtains series for recessed areas. Owing to its discrete design the air curtain is suitable for high aesthetic demand interiors, complements harmonically the space, and also meets all functional requirements.

The air curtain forms a natural air barrier against penetrating hot air into the air conditioned environment and protects against undesirable smell, insects, and dust. In these installations, the air curtain will meet all requirements for the energy-saving equipment and thermal comfort in the building. Standardized dimension range & simple design makes Econ-C mini the ideal solution for individual shops in large shopping galleries, boutiques, restaurants, banks and hotels.

Air curtain control is ensured by means of the Econ wall-mounted controller - user friendly controller with basic functions.

The main advantages of the Econ-C III curtain consist in its price availability, quick and easy assembly, low noise level, low weight, the best quality materials and components used, and last but not least compact dimensions of the product

Econ-C mini air curtains are offered in a ambient version or with an electric heater, where you can choose from several variants of heating power. Any of the offered accessories can be used to fully equip the air curtain. The air curtain is supplied in a RAL 9010 painting.



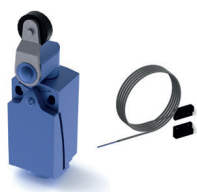
### Basic features:

- location: horizontally only, hidden into the suspended ceiling
- version:
  - without heating, the air curtain operates with interior air only
  - with electrical heater
- for door height 2,2 m
- suitable for door widths: 1,0; 1,5; 2,0m
- colour design: zinc-coated steel cover, suction grid and covering frame normally in RAL 9010 (white)
- exhaust grid slats from anodized aluminium
- suction grid being also used as service door for easy service access
- interior arrangement of the air curtain designed to make all components accessible
- optional additional lining up the air curtain after embedding into the suspended ceiling (indoor access)

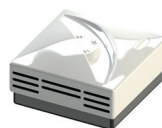
Technical data:			Econ C mini 100 S	Econ C mini 150 S	Econ C mini 200 S	Econ C mini 100 E	Econ C mini 150 E	Econ C mini 200 E
Air volume	electric heater <b>E</b>	m <sup>3</sup> /h	-	-	-	1390	2125	2850
	without heatingu	m <sup>3</sup> /h	1420	2150	2950	-	-	-
Heating capacity	alt 1 max	[kW]	-	-	-	6	10	12,5
	alt 2 max	[kW]	-	-	-	9	12,5	15
Voltage		[V]	3 x 230	3 x 230	3 x 230	3 x 230	3 x 230	3 x 230
AC fan	power input	[W]	340	510	680	340	510	680
	current	[A]	1,5	2,25	3	1,5	2,25	3
	voltage	[V]	230	230	230	230	230	230
Controller			Econ			Econ		
IP protection			IP20	IP20	IP20	IP20	IP20	IP20
Noice level*		[dB (A)]	55	56	57	55	56	57
Weight		[kg]	28	42	56	28	42	56

\* Acoustic pressure Lp(A) measurement taken at a distance of 3 m from the unit source

### Accessories for Econ-C mini



**Door contact:** 4 V, DKM or DKMG  
DKM – mechanical door contact  
DKMG – magnetic door contact



**Room thermostat:** 230 V, wall mounting, TP1 or TP2 model with a switch, delivered separately

### Controller Econ:



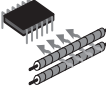
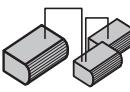

Econ controller is designed for fan speed and electrical heating regulation with connectivity to wide range of external devices (door contact, room or outlet thermostat). Units with electric heat exchangers are equipped with overheating protection with an automatic fan delay.



**Dimensions:** 71 x 71 x 25 [mm]

The controller is designed for surface mounting only, IP 20

### Econ controller functions:

	potential-free door contact incl. adjustable delay	<b>standard</b>		compact dimensions, wall mounting, ergonomical design	<b>standard</b>
	processor control of the unit against overheating	<b>standard</b>		Master/Slave chaining possibility	<b>only with ECON DUAL controller</b>
	processor-controlled protection of the unit against overheating	<b>standard</b>			

## Diagram, Order key

Diagram - ambient air curtains

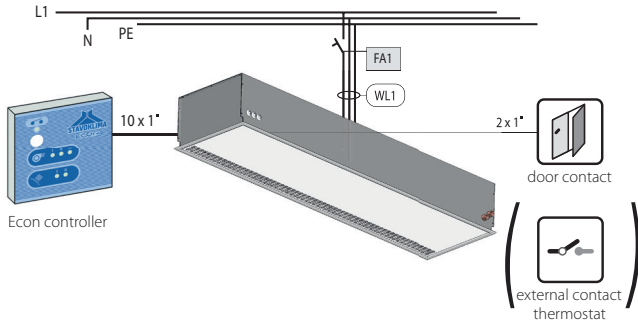
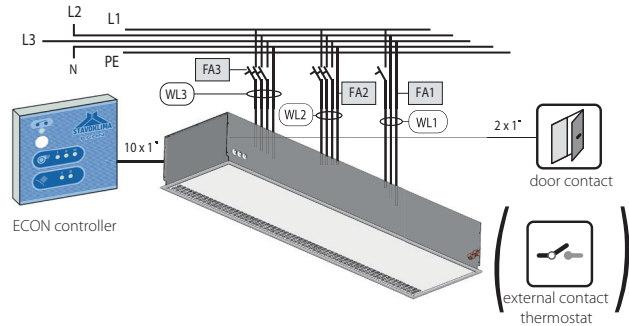


Diagram - electrical heated air curtains



## Order key

Econ-C mini - 100 - E

100; 150; 200  
 100 - unit length 1000 mm  
 150 - unit length 1500 mm  
 200 - unit length 2000 mm

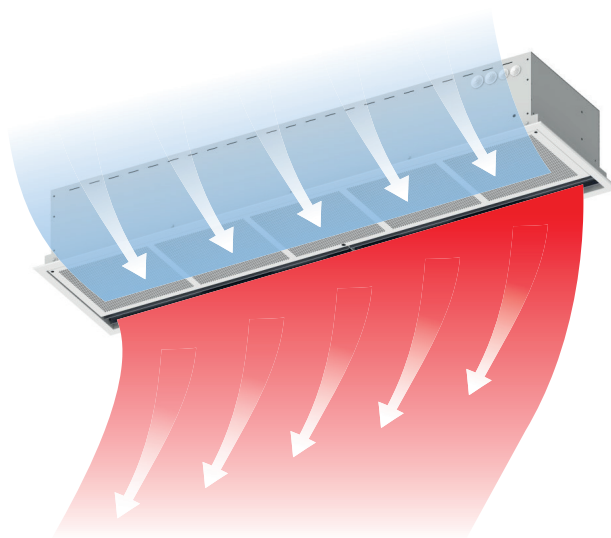
- S - ambient unit without heat exchanger
- E 6 - electric heater 400 V - 6 kW; unit length 1000 mm
- E 9 - electric heater 400 V - 9 kW; unit length 1000mm
- E 10 - electric heater 400 V - 10 kW; unit length 1500 mm
- E 12,5 - electric heater 400 V - 12,5 kW; unit length 1500 a 2000 mm
- E 15 - electric heater 400 V - 15 kW; unit length 2000 mm

Table of cables and protection for ambient models

FA1	1 X 10A/C	WL1	3Cx 1,5 (2,5)
FA2	see tab. EO	WL2	see tab. EO
FA3	see tab. EO	WL3	see tab. EO

Table of cables and protection for electric heated models

	electric heater	cabel (WL2)	circuit breaker (FA2)	cable (WL3)	circuit breaker (FA3)
Air curtain 100	6 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	9 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
Air curtain 150	10 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	12,5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
Air curtain 200	12,5 kw	5Cx4	3x16A/B	5Cx4	3x16A/B
	15 kw	5Cx4	3x16A/B	5Cx4	3x16A/B



Representative: