



Recessed air curtain

Econ-C mini

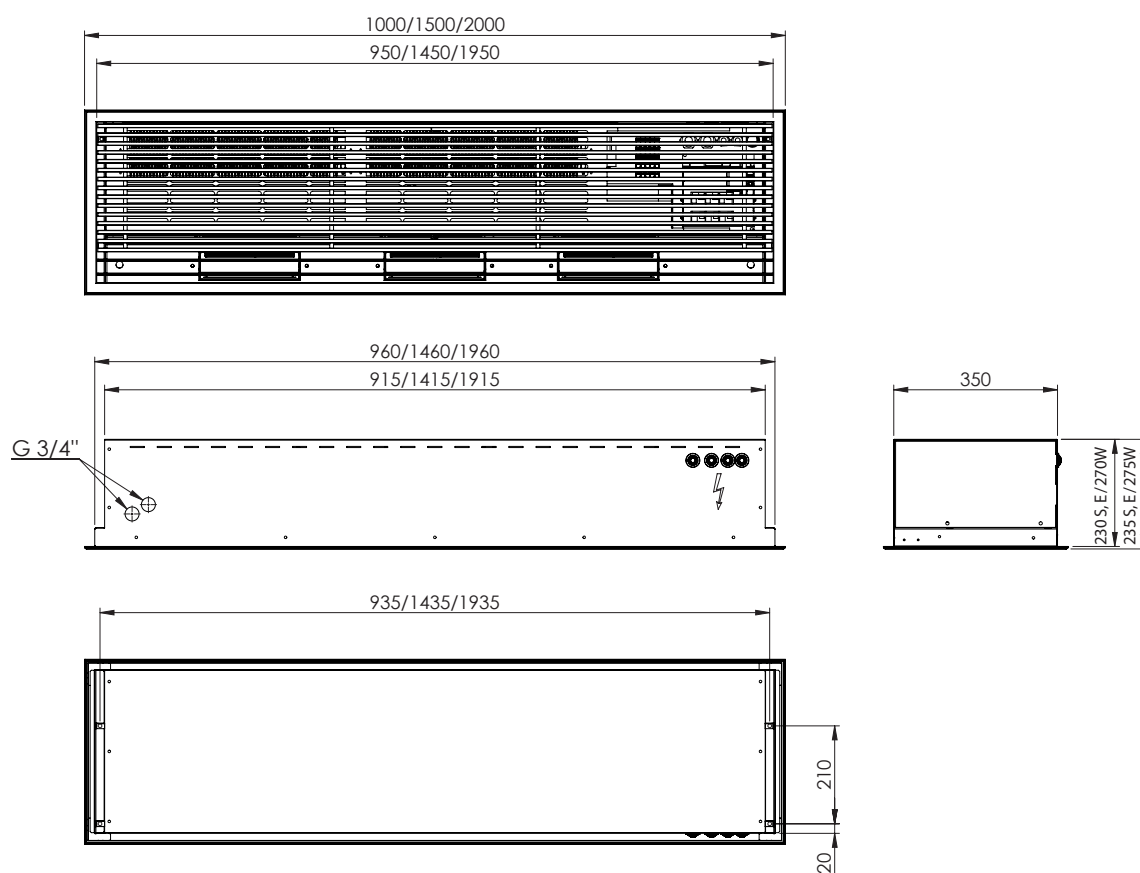


www.stavoklima.eu

Description

Econ-C mini is a recessed air curtain specially designed for confined underceiling areas. Standardized dimension range & simple design makes Econ-C mini the ideal solution for individual shops in large shopping galleries, boutiques, restaurants, banks and hotels. The easy-to-use interface combined with precise processor control provides maximal comfort for the user.

The competitive price, fast & easy installation, silent operation, lightweight design, high build quality and compact dimensions, are its strong points. Wide range of accessories complements the product line. Water heated units can be fitted with different control valves. For units with electric heat exchanger multiple performance variants are available.



Dimensions		Econ C mini 100 S	Econ C mini 150 S	Econ C mini 200 S	Econ C mini 100 W	Econ C mini 150 W	Econ C mini 200 W	Econ C 100 E6	Econ C 100 E9	Econ C 150 E10	Econ C 150 E12,5	Econ C 200 E12,5	Econ C 200 E15
Air curtain length	mm	1000	1500	2000	1000	1500	2000	1000	1000	1500	1500	2000	2000
Air volume	m³/h	1420	2150	2950	1380	2100	2820	1390	1390	2125	2125	2850	2850
Heating capacity 80/60°C*	kW	-	-	-	9,2	14,7	20,5	-	-	-	-	-	-
	kPa	-	-	-	7,8	3,2	4,2	-	-	-	-	-	-
	m³/h	-	-	-	360	612	864	-	-	-	-	-	-
	T _{out} °C	-	-	-	37,6	38,6	39,4	-	-	-	-	-	-
Heating capacity 60/40°C*	kW	-	-	-	5,2	8,2	11,6	-	-	-	-	-	-
	kPa	-	-	-	3	1,2	1,6	-	-	-	-	-	-
	m³/h	-	-	-	216	324	468	-	-	-	-	-	-
	T _{out} °C	-	-	-	29	29,5	28,4	-	-	-	-	-	-
Heating capacity	kW	-	-	-	-	-	-	6	9	10	12,5	12,5	15
Heating levels		-	-	-	-	-	-	2	2	2	2	2	2
Voltage	V	230V	230V	230V	230V	230V	230V	400V	400V	400V	400V	400V	400V
Power input	W	340	510	680	340	510	680	340	340	510	510	680	680
Current	A	1,5	2,25	3	1,5	2,25	3	1,5	1,5	2,25	2,25	3	3
Protection class	IP	20	20	20	20	20	20	20	20	20	20	20	20
Controller type		Econ	Econ	Econ	Econ	Econ	Econ	Econ	Econ	Econ	Econ	Econ	Econ
Weight	kg	21	30	39	21	30	39	28	28	42	42	56	56

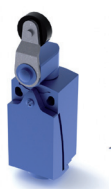
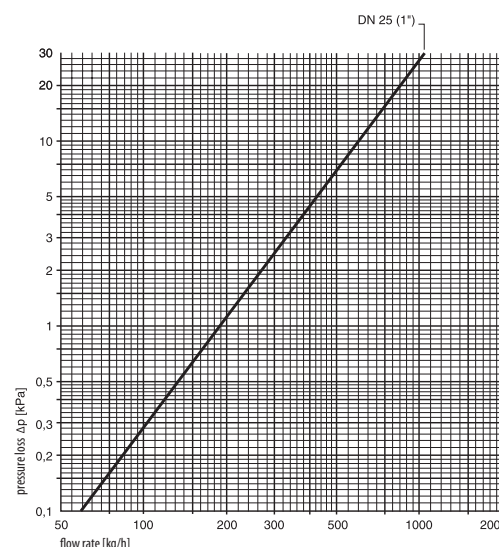
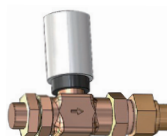
*) ambient temperature 18°C

Econ-C mini accessories

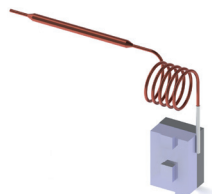
Valve: Based on customer's needs the unit can be fitted with 2-way valve. Control head of the valve can be either automatic (thermostatic) or electro-thermic. Electrothermic head of the valve along with the thermostat must be connected to the unit's motherboard located inside the unit. All valves are delivered separately – unbuilt, due to space reasons.

Zweiwegventil	k_{vs}^* value	allowed opera- ting temperature [°C]	allowed opera- ting pressure [bar]	allowed pressure difference [bar]
DN 25 (1")	2,5	120	10	0,25

* for DN25 is [K] 3,0



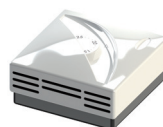
Door contact: 4 V, DKM or DKMG
DKM – mechanical door contact
DKMG – magnetic door contact



Outlet thermostat:
230 V, mounted inside the unit,
the capillary is placed on the outlet,
the thermostat is delivered separately



PPH 3/4":
flexible pressure tubes with stainless
or reinforced sleeve for easy & com-
fortable connection of the water heat
exchanger with a female thread, set
of 2 pieces, length 300 mm, DN 20



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

Controller: Econ

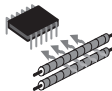
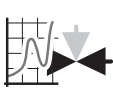
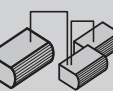
Controller description: Econ controller is designed for fan speed and heating regulation (water as well as electric heated units) with connectivity to wide range of external devices (door contact, room or outlet thermostat), units with electric heat exchangers are equipped with overheating protection with an automatic fan delay.



Dimensions: 71 x 71 x 25

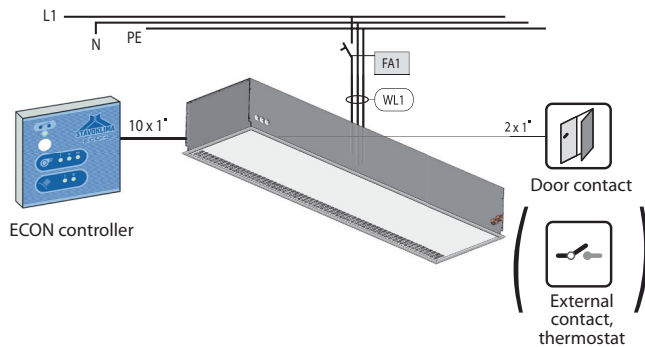
The controller is designed for surface mounting only, IP 20.

Econ controller functions:

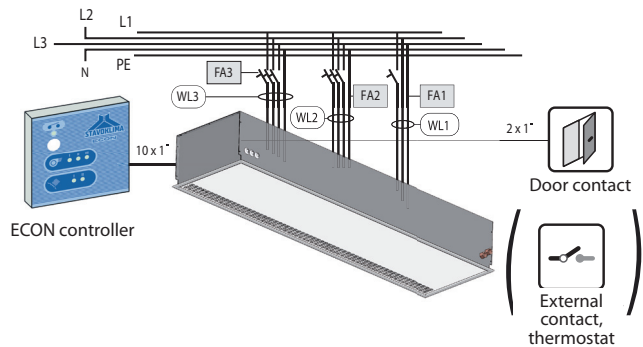
	potential-free door contact incl. adjustable delay	standard		compact dimensions, wall mounting, ergonomic design	standard
	processor control of the unit against overheating	standard		electrothermic valve control	standard
	processor-controlled protection of the unit against overheating	standard		Master/Slave chaining possibility	only with Econ DUAL controller

Diagram, Order key

Water heated & ambient air curtains – diagram



Electric air curtains – diagram



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

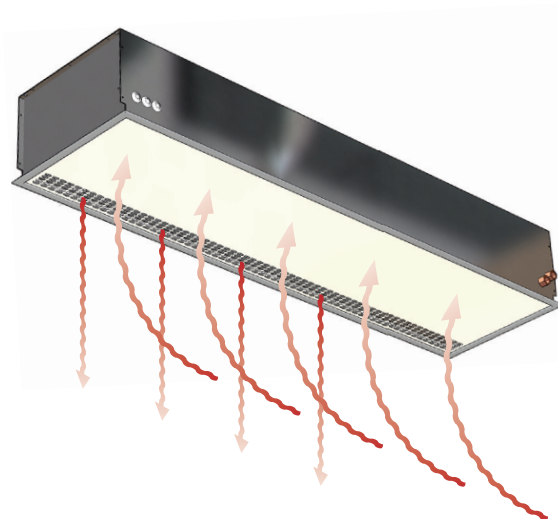
S - ambient unit without heat exchanger
W - heat exchanger 80/60°C, alternatively 60/40°C
E 6 - electric heater 400 V - 6 kW; unit length 1000 mm
E 9 - electric heater 400 V - 9 kW; unit length 1000 mm
E 10 - electric heater 400 V - 10 kW; unit length 1500 mm
E 12,5 - electric heater 400 V - 12,5 kW; unit length 1500 a 2000 mm
E 15 - electric heater 400 V - 15 kW; unit length 2000 mm

Table of cables and protection for water heated models

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

Table of cables and protection for electric heated models

	electric heater	cable (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: