



Comfort Door Air Curtain

**EASY**



[www.stavoklima.eu](http://www.stavoklima.eu)

## Description

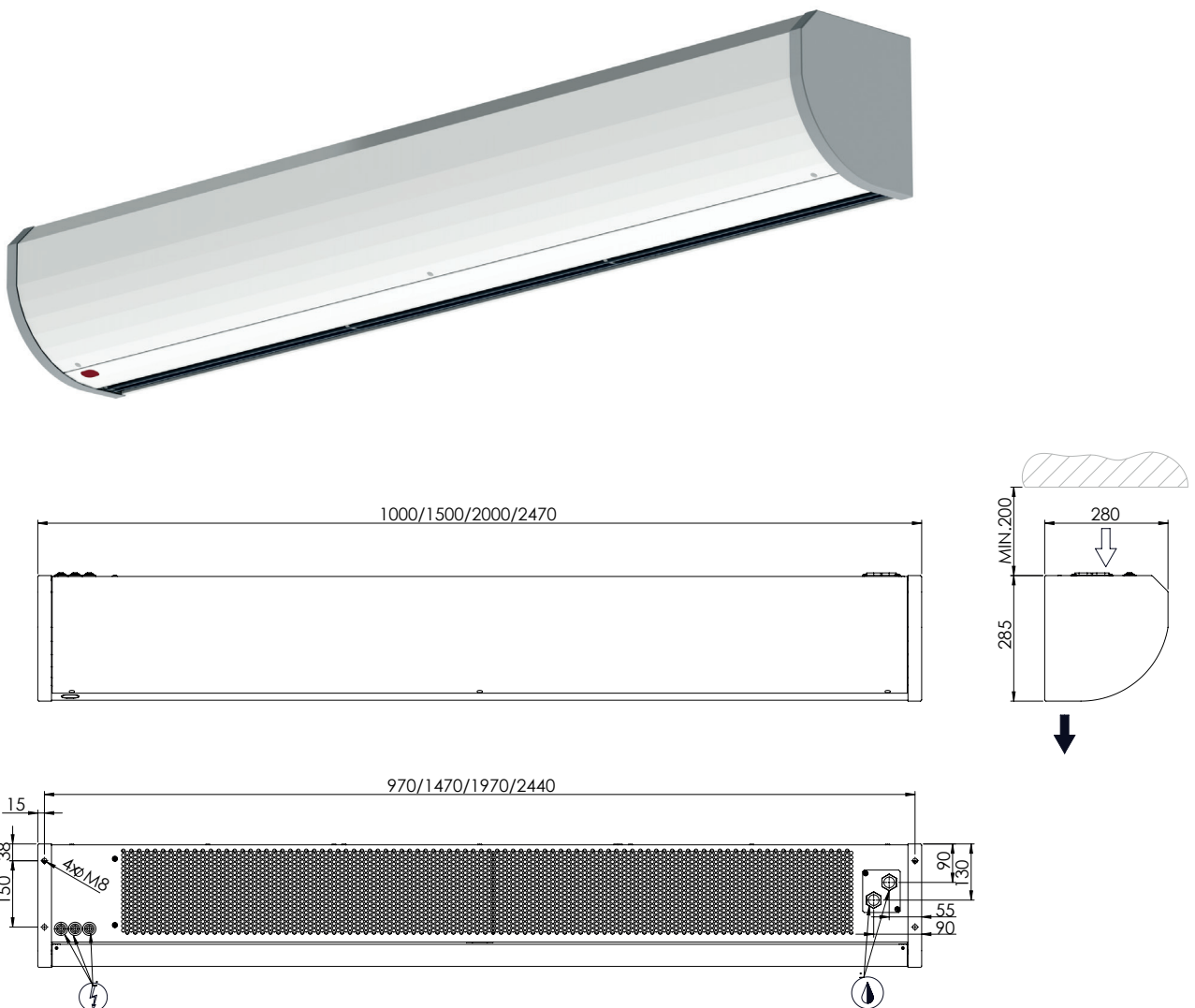
EASY air door curtain represents the entry level of comfort air curtains by Stavoklima. The air curtain is a compact device suitable for majority of smaller spaces such as shop units in shopping centres, boutiques, restaurants, banks, or hotel entrances.

The EASY air curtain is a device, which produces a natural air barrier against penetration of cold air into heat environment; in summer, it operates as a protection against penetration of hot summer air to the spaces being air conditioned. The use of the air curtain can save high cooling costs in the air-conditioned spaces.

As the name suggests, EASY is characterized in simple and pleasant design with built-in control system that allows the user to choose a controller type. BASE IR remote controller or BASE plug-in cable wall-mounted controller may be selected. The BASE plug-in cable controller may be used to control the air curtain from a superior system through Modbus communication protocol.

The EASY air curtain is designed for horizontal placement over door space using sub-ceiling or wall-mounting brackets. The models available have no heating, with hot water, or electric heating. Included in each model is an adjustable slat for optimum air flow setting. A wide range of accessories is available for the unit, for example, thermostatic valve, exhaust or room thermostat, or a door contact.

The EASY model is available in lengths of 1000, 1500, 2000, and 2500 mm, and recommended for maximum installation height of 2.2 m. The air curtain colour design is RAL 9010 with side bars in RAL 9007.



## Technical data

EASY - S	EASY-100-0-S	EASY-150-0-S	EASY-200-0-S	EASY-250-0-S	EASY-100-1-S	EASY-150-1-S	EASY-200-1-S	EASY-250-1-S
Air volume	1050	1595	2175	2700	1325	2015	2750	3425
Fans								
power input [W]	290	435	580	725	364	546	728	910
current [A]	1,26	1,89	2,52	3,15	1,58	2,37	3,16	3,95
voltage [V]	230	230	230	230	230	230	230	230
Type of controller	BASE, BASE IR							
Protection degree	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise level	Lp (A) - 3m dB (A)							
	57	57	57	58	62	63	63	63
Weight	[kg]							
	22	30	38	48	22	30	38	48

EASY - W	EASY-100-0-W	EASY-150-0-W	EASY-200-0-W	EASY-250-0-W	EASY-100-1-W	EASY-150-1-W	EASY-200-1-W	EASY-250-1-W
Air volume	1000	1525	2075	2575	1300	1975	2700	3350
Hot-water coil (70/50/18°C)								
heating capacity [kW]	7,8	13,2	18,2	23,2	9,1	15,5	21,4	27,4
pressure lost [kPa]	1,2	4,4	3,5	6,5	1,6	5,8	4,6	8,7
flow volume rate [m³/h]	0,14	0,25	0,36	0,47	0,36	0,65	0,9	1,15
Hot-water coil (50/30/18°C)								
heating capacity [kW]	3,4	6,2	8,5	11,1	4	7,2	10	13
pressure lost [kPa]	0,3	1,2	1	1,9	0,4	1,6	1,3	2,5
flow volume rate [m³/h]	0,14	0,25	0,36	0,47	0,15	0,3	0,4	0,54
connection ["]	1/2"	3/4"	3/4"	3/4"	1/2"	3/4"	3/4"	3/4"
Fans								
power input [W]	290	435	580	725	364	546	728	910
current [A]	1,26	1,89	2,52	3,15	1,58	2,37	3,16	3,95
voltage [V]	230	230	230	230	230	230	230	230
Type of controller	BASE, BASE IR							
Protection degree	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise level	Lp (A) - 3m dB (A)							
	57	57	57	58	62	63	63	63
Weight	[kg]							
	30	40	50	60	30	40	50	60

EASY - 0 - E	EASY-100-0-E 3kW	EASY-100-0-E 5kW	EASY-150-0-E 6kW	EASY-150-0-E 8kW	EASY-200-0-E 7,5 kW	EASY-200-0-E 10 kW	EASY-250-0-E 10,5 kW	EASY-250-0-E 14 kW
Air volume	1000	1000	1500	1500	2050	2050	2550	2550
Electrical heater								
capacity [kW]	3	5	6	8	7,5	10	10,5	14
power supply [V]	3x230	3x230	3x230	3x230	3x230	3x230	3x230	3x230
Fans								
power input [W]	290	290	435	435	580	580	725	725
current [A]	1,26	1,26	1,89	1,89	2,52	2,52	3,15	3,15
voltage [V]	230	230	230	230	230	230	230	230
Type of controller	BASE, BASE IR							
Protection degree	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise level	Lp (A) - 3m dB (A)							
	57	57	57	57	57	57	58	58
Weight	[kg]							
	28	30	40	42	53	55	62	65

EASY - 1 - E	EASY-100-1-E 3kW	EASY-100-1-E 5kW	EASY-150-1-E 8kW	EASY-150-1-E 10kW	EASY-200-1-E 10 kW	EASY-200-1-E 12,5 kW	EASY-250-1-E 14 kW	EASY-250-1-E 17,5 kW
Air volume	1300	1300	1975	1975	2700	2700	3350	3350
Electrical heater								
heating capacity [kW]	3	5	8	10	10	12,5	14	17,5
power supply [V]	3x230	3x230	3x230	3x230	3x230	3x230	3x230	3x230
Fans								
power input [W]	364	364	546	546	728	728	910	910
current [A]	1,58	1,58	2,37	2,37	3,16	3,16	3,95	3,95
voltage [V]	230	230	230	230	230	230	230	230
Type of controller	BASE, BASE IR							
Protection degree	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Noise level	Lp (A) - 3m dB (A)							
	62	62	63	63	63	63	63	63
Weight	[kg]							
	28	30	40	42	53	55	62	65

## Control

The EASY air curtain provides the user a selection between infra remote control or wired wall-mounted control. Both controls offer three-step fan control, two-step heating mode level, and door contact activation. Upon request for controlling of the air curtain from a superior system, the circuit board may be connected to the Modbus communication protocol.

### Wire remote controller **BASE**

Dimensions: 86 x 86 x 25 (mm)

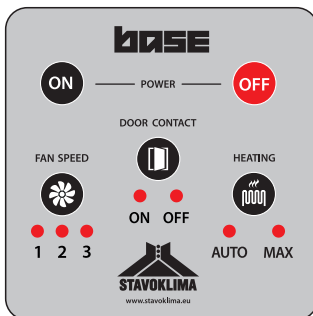


### Wireless remote controller **BASE-IR**

Dimensions: 97 x 40 x 12 (mm)



### Basic description of the operation modes:



**FAN 1** = fan operation, first speed  
**FAN 2** = fan operation, second speed  
**FAN 3** = fan operation, third speed



**Power ON** = the air curtain is on



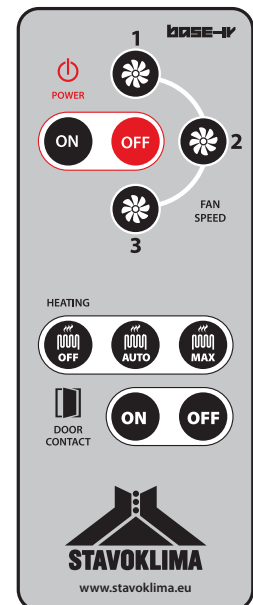
**Power OFF** = the air curtains is off



**Heating OFF** = heating disabled  
**AUTO** = heating initiation in AUTO mode. The air curtain operates in heating mode unless set temperature is reached in the exhaust sensor, and at the same time, temperature set in the thermostat is not reached.  
**MAX** = heating initiation in MAX mode. The air curtain operates in heating mode for 100% of its output until condition set in the thermostat is reached.

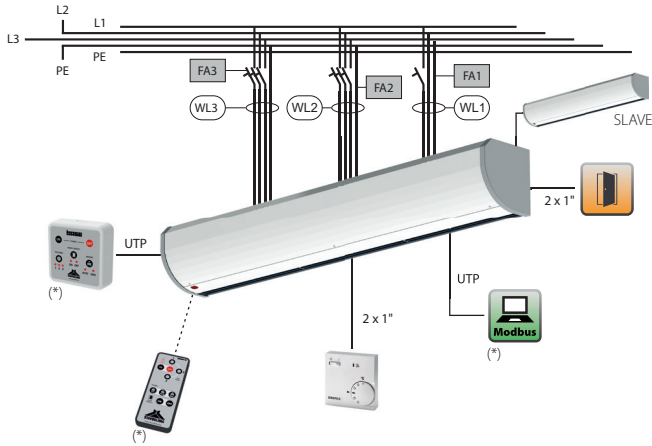


**Door contact ON** = enables door contact feature  
**Door contact OFF** = disables door contact feature



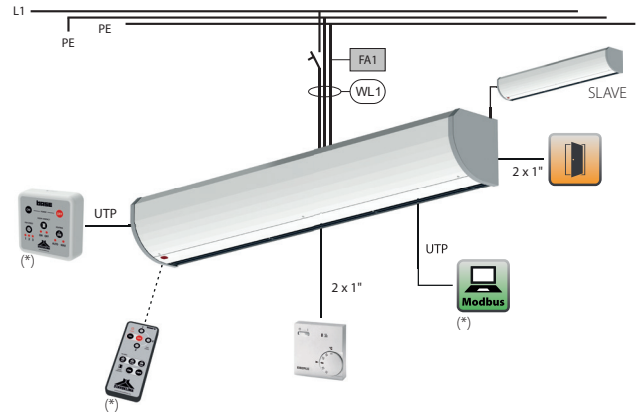
## Wiring diagram

### Electrical air curtain



(\*) the EASY air curtain permits selection of one control type only either wall-mounted controller, infra remote controller, or control from the superior system using the Modbus protocol.

### Ambient air curtain, hot water air curtain



(\*) the EASY air curtain permits selection of one control type only either wall-mounted controller, infra remote controller, or control from the superior system using the Modbus protocol.

Cables and circuit breakers - electrical air curtains EASY 0

EASY 0	heater capacity	circuit breaker		cable		cable	
	[kW]	FA2	FA3	WL2	WL3	FA1	WL1
EASY 0 - 100	3	B/6A/3p	-	5Jx1,5	-	B/6A/3p	3Jx1,5
EASY 0 - 100	5	B/10A/3p	-	5Jx1,5	-		
EASY 0 - 150	6	B/10A/3p	-	5Jx1,5	-		
EASY 0 - 150	8	B/10A/3p	B/10A/1p	5Jx1,5	3Jx1,5		
EASY 0 - 200	7,5	B/13A/3p	-	5Jx2,5	-		
EASY 0 - 200	10	B/13A/3p	B/13A/1p	5Jx2,5	3Jx2,5		
EASY 0 - 250	10,5	B/20A/3p	-	5Jx2,5	-		
EASY 0 - 250	14	B/20A/3p	B/20A/1p	5Jx2,5	3Jx2,5		

Cables and circuit breakers - electrical air curtains EASY 1

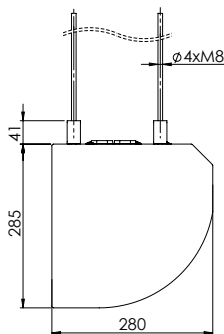
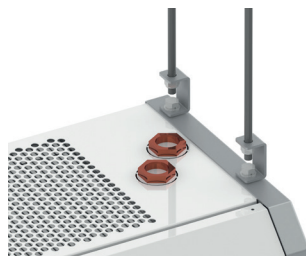
EASY 1	heater capacity	circuit breaker		cable		cable	
	[kW]	FA2	FA3	WL2	WL3	FA1	WL1
EASY 1 - 100	3	B/6A/3p	-	5Jx1,5	-	B/6A/3p	3Jx1,5
EASY 1 - 100	5	B/10A/3p	-	5Jx1,5	-		
EASY 1 - 150	8	B/10A/3p	B/10A/1p	5Jx1,5	3Jx1,5		
EASY 1 - 150	10	B/10A/3p	B/10A/3p	5Jx1,5	5Jx1,5		
EASY 1 - 200	10	B/13A/3p	B/13A/1p	5Jx2,5	3Jx2,5		
EASY 1 - 200	12,5	B/13A/3p	B/13A/3p	5Jx2,5	5Jx2,5		
EASY 1 - 250	14	B/20A/3p	B/20A/1p	5Jx2,5	3Jx2,5		
EASY 1 - 250	17,5	B/20A/3p	B/20A/3p	5Jx2,5	5Jx2,5		

Cables and circuit breakers - water heated air curtains EASY 0 and EASY 1

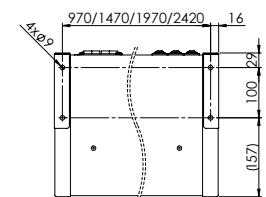
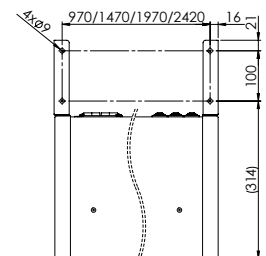
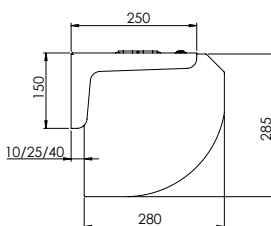
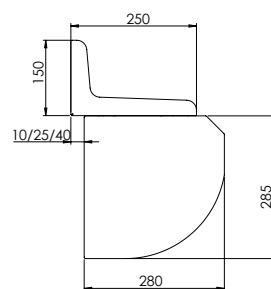
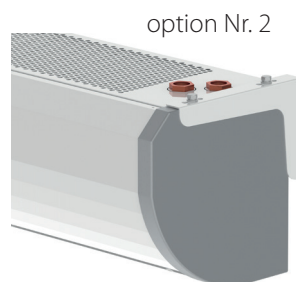
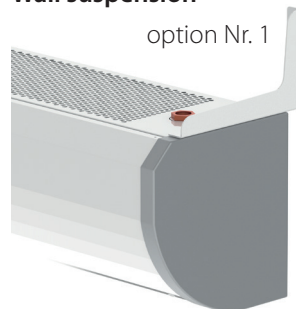
cable WL1	3J x 1,5
cable FA1	B/6A/3p

## Suspension options

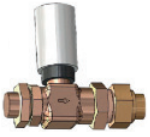
### Ceiling suspension



### Wall suspension

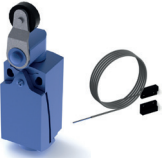


## Optional accessories



### Valves

As required by the customer, a built-in 2-way or 3-way valve with control actuator can be supplied for the hot water heat exchanger. The valve actuator can be supplied a automatic (thermostatic) or electrothermic. Opening time approx. 4 min. when starting from a cold state. When the supply voltage is interrupted, the thermal actuator or valve opens smoothly. The actuator is always delivered in "normally open" (NO – 230V/3W) version).



### Door contact: 24 V

DKM - mechanical door contact  
DKMG - magnetic door contact



### Room thermostat: 230V

- wall mounting  
- basic version, with a switch, digital or industry with IP54



### Communication cable PK 8/x

- connecting communication cable between the air curtain and the controller  
- available in lengths from 1m up to 20m



### PPH 3/4":

- 300mm long flexible connection pipes with stainless steel or braided reinforcement for easy connection of heat exchanger  
- set consists of 2 pieces, DN 20

type	characteristics	actuator	kvs value [m <sup>3</sup> /h]	admissible pressure difference [bar]	admissible working temperature [°C]	admissible working pressure [bar]	temperature range [°C]
TV XXL"-N	2-way, non built-in	thermostatic	0,2	0,2	120	10	25-57
ETVQ 3/4"-N	2-way, pressure independent, non built-in	electrothermic, IP54	-	0,15 / 4	90	16	-
ETVQ 1"-N	2-way, pressure independent, non built-in	electrothermic, IP55	-	0,23 / 4	90	16	-

### Order key:

EASY – 100 – 1 – W

100; 150; 200; 250  
**100** – unit length 1000 mm  
 150 – unit length 1500 mm  
 200 – unit length 2000 mm  
 250 – unit length 2500 mm

0 - capacity level 0; standard heater; recommended mounting height 2,0m  
**1** - capacity level 1; standard heater; recommended mounting height 2,2m

S - no heating air curtain  
**W** - water heated exchanger

Version -0-

E3-el. heater 3 kW; air curtain 1000 mm  
 E5-el. heater 5 kW; air curtain 1000 mm  
 E6-el. heater 6 kW; air curtain 1500 mm  
 E8-el. heater 8 kW; clona 1500 mm  
 E7,5-el. heater 7,5 kW; air curtain 2000 mm  
 E10-el. heater 10 kW; air curtain 2000 mm  
 E10,5-el. heater 10,5 kW; air curtain 2500 mm  
 E14-el. heater 14 kW; air curtain 2500 mm

Version -1-

E3-el. heater 3 kW; air curtain 1000 mm  
 E5-el. heater 3 kW; air curtain 1000 mm  
 E8-el. heater 3 kW; air curtain 1500 mm  
 E10-el. heater 10 kW; air curtain 1500 mm  
 E10-el. heater 10 kW; air curtain 2000 mm  
 E12,5-el. heater 12,5 kW; air curtain 2000 mm  
 E14-el. heater 14 kW; air curtain 2500 mm  
 E17,5-el. heater 17,5 kW; air curtain 2500 mm

Ditributor: