



## SILVER Air Curtains

The SILVER Door Air Curtain features unique design matching most of modern interiors of various spaces. Highly efficient and quiet in operation, it is available in the lengths matching the typical door widths. The unit is used to control the inflow of outside air through the doors and other openings in buildings, like:

- shopping centres and supermarkets
- public buildings and offices
- hospitals and chemist shops
- hotels and banks
- warehouses
- restaurants and bars

The SILVER air curtain warms up the air which it draws from the space. It can also be used as a cold curtain, without warming the air. The unit is designed for use for entrance heights as follows:

- size 1 - up to 2,5 m
- size 2 - up to 3,0 m
- size 3 - up to 3,5 m

### PRODUCT DESCRIPTION

The air curtains incorporate:

- coated or painted steel sheet housing with slot along its length and plastic side walls
- water or electric heater
- one up to five double-suction centrifugal fans

The SILVER Air Curtain is available in three sizes and three lengths per size. Typically, the unit is mounted directly to the ceiling or by means of a support structure using four, six or eight threaded rods attached to the unit's housing. Wall mounting using support structure attached to the unit's back wall is also possible. Electric heater types incorporate overheating protection.

### WORKING CONDITIONS

The water heaters are supplied with water with the temperature of 150°C or lower and the pressure of up to 1,5MPa. Electric heater units are supplied from 3x400VAC mains.

## SILVER-1-105-W

### DIMENSIONS



Parameters of fans in curtains	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270

Air flow of the curtains with the water heater				
Air flow [m³/h]		1500		
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	13,7	31	4,6
	10	12,5	34	3,8
	15	11,3	37	3,1
80/60	5	11,4	26	3,2
	10	10,3	29	2,6
	15	9,1	33	2,0
70/50	5	9,2	22	2,1
	10	8,1	25	1,6
	15	7,1	28	1,2

<b>60/40</b>	<b>5</b>	<b>7,1</b>	<b>18</b>	<b>1,2</b>
	<b>10</b>	<b>6,1</b>	<b>21</b>	<b>0,9</b>
	<b>15</b>	<b>5,1</b>	<b>25</b>	<b>0,8</b>

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 1m</b>	<b>64</b>
<b>From distance of 3m</b>	<b>60</b>
<b>Curtain weight</b>	
<b>Weight [kg]</b>	<b>34</b>

## SILVER-1-105-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	1500
Thermal power levels [kW]	6

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	35

## SILVER-1-105-Z

### DIMENSIONS

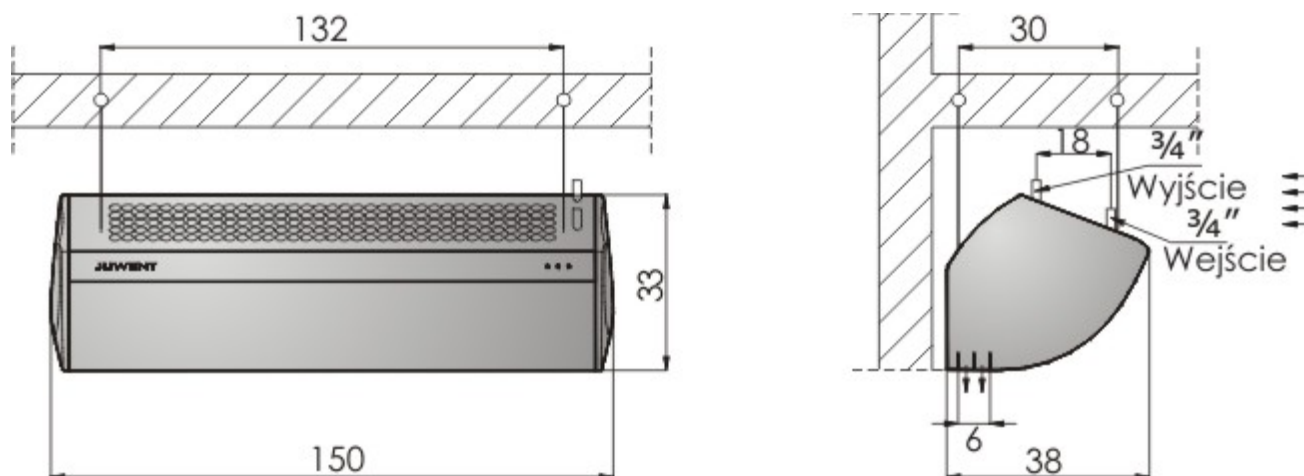


Parameters of fans in curtain	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270
Air flow [m <sup>3</sup> /h]	1500

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	31

# SILVER-1-150-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,130
Current [A]	0,60
Revolutions [rpm]	1270

Air flow of the curtains with the water heater				
Air flow [m³/h]			2250	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	20,6	32	2,7
	10	19,0	34	2,2
	15	17,2	37	1,8
80/60	5	17,2	27	1,8
	10	15,6	30	1,5
	15	13,9	33	1,2
70/50	5	13,9	23	1,3
	10	12,3	25	0,9
	15	10,7	29	0,7

<b>60/40</b>	<b>5</b>	10,7	19	0,7
	<b>10</b>	9,2	21	0,5
	<b>15</b>	7,7	25	0,4

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	45

## SILVER-1-150-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	9
Thermal power levels [kW]	2250

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	45



## SILVER-1-150-Z

### DIMENSIONS

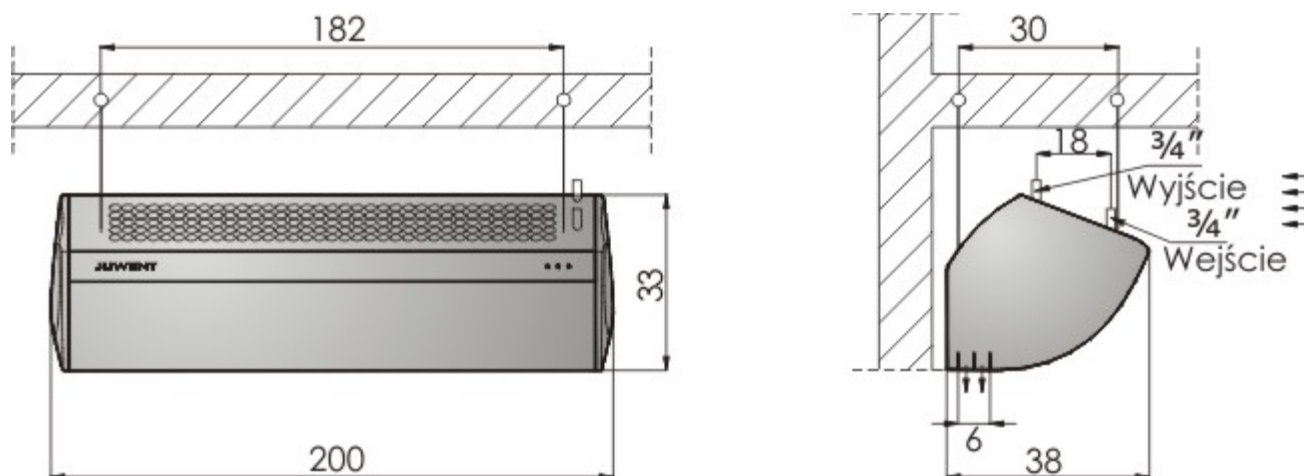


Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270
Air flow [m <sup>3</sup> /h]	2250

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	39

# SILVER-1-200-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270

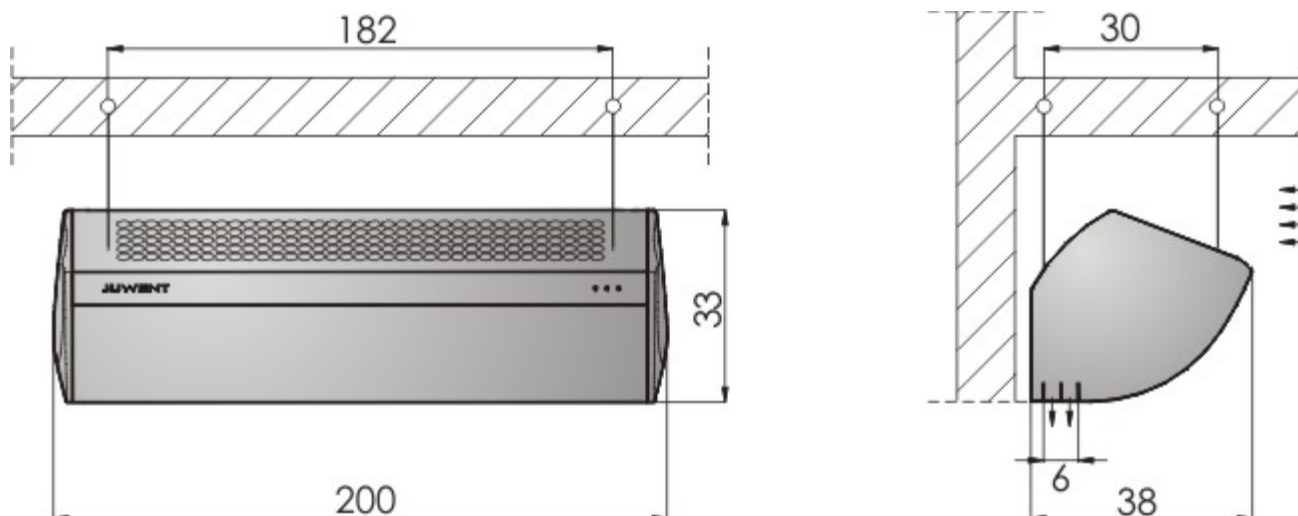
Air flow of the curtains with the water heater				
Air flow [m³/h]			3000	
Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	27,5	31	5,2
	10	25,1	34	4,3
	15	22,7	37	3,6
80/60	5	22,9	26	3,6
	10	20,6	29	2,9
	15	18,3	33	2,3
70/50	5	18,5	22	2,4
	10	16,3	25	1,8
	15	14,2	29	1,3

<b>60/40</b>	<b>5</b>	14,3	18	1,4
	<b>10</b>	12,1	21	1,0
	<b>15</b>	10,1	25	0,7

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 1m</b>	66
<b>From distance of 3m</b>	62
<b>Curtain weight</b>	
<b>Weight [kg]</b>	66

## SILVER-1-200-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	3000
Thermal power levels [kW]	12

Operational noise level [dB(A)]	
From distance of 1m	66
From distance of 3m	62
Curtain weight	
Weight [kg]	65

## SILVER-1-200-Z

### DIMENSIONS

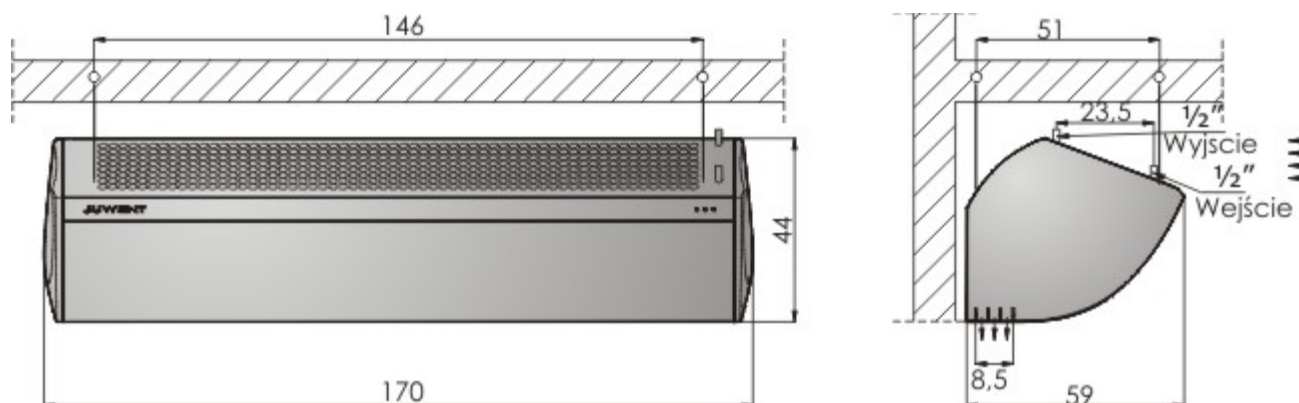


Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,16
Current [A]	0,7
Revolutions [rpm]	1270
Air flow [m <sup>3</sup> /h]	3000

Operational noise level [dB(A)]	
From distance of 1m	66
From distance of 3m	62
Curtain weight	
Weight [kg]	58

# SILVER-2-170-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Air flow of the curtains with the water heater				
Air flow [m³/h]			3900	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	34,1	29	1,8
	10	31,0	32	1,4
	15	28,1	35	1,1
80/60	5	28,3	25	1,1
	10	25,5	28	0,9
	15	22,7	31	0,7
70/50	5	22,8	21	0,8
	10	20,1	24	0,6
	15	17,5	27	0,4
60/40	5	17,6	17	0,4
	10	15,0	20	0,3
	15	12,5	24	0,3

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	75

## SILVER-2-170-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	3900
Thermal power levels [kW]	18

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	78



## SILVER-2-170-Z

### DIMENSIONS

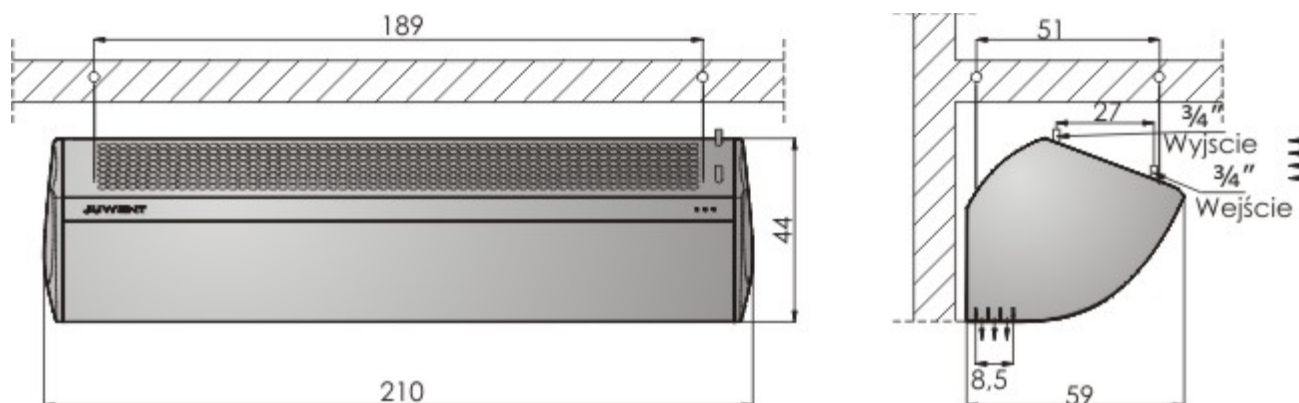


Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400
Air flow [m <sup>3</sup> /h]	3900

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	89

# SILVER-2-210-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Air flow of the curtains with the water heater				
Air flow [m³/h]			4400	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	43,6	33	5,8
	10	39,8	36	5,1
	15	36,0	39	4,1
80/60	5	36,4	28	4,1
	10	32,7	31	3,3
	15	29,2	34	2,8
70/50	5	29,4	23	2,8
	10	22,9	27	2,0
	15	22,5	30	1,4
60/40	5	22,7	19	1,4
	10	19,4	22	1,1
	15	16,2	25	0,9

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	99

## SILVER-2-210-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	4400
Thermal power levels [kW]	24

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	100

## SILVER-2-210-Z

### DIMENSIONS

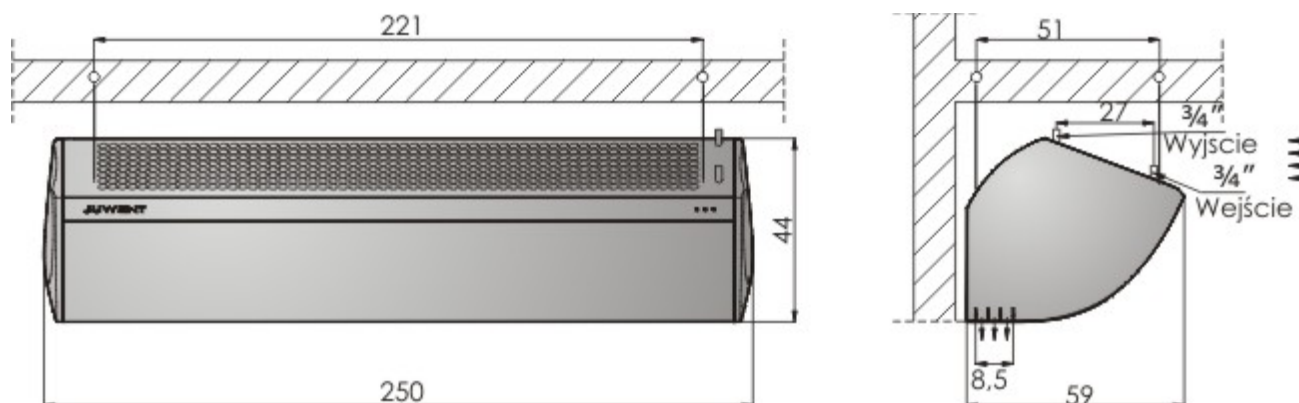


Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400
Air flow [m <sup>3</sup> /h]	4400

Operational noise level [dB(A)]	
From distance of 1m	69
From distance of 3m	65
Curtain weight	
Weight [kg]	89

# SILVER-2-250-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	5
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Air flow of the curtains with the water heater				
Air flow [m³/h]			6500	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	63,9	32	10,0
	10	59,3	35	7,5
	15	52,8	39	6,8
80/60	5	53,3	28	7,0
	10	47,9	31	5,4
	15	42,7	34	4,5
70/50	5	43,1	23	4,5
	10	38,0	26	3,6
	15	33,0	30	2,2
60/40	5	33,4	19	2,2
	10	28,4	22	1,9
	15	23,8	25	1,4

Operational noise level [dB(A)]	
From distance of 1m	71
From distance of 3m	68
Curtain weight	
Weight [kg]	131

## SILVER-2-250-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	5
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	6500
Thermal power levels [kW]	30

Operational noise level [dB(A)]	
From distance of 1m	71
From distance of 3m	68
Curtain weight	
Weight [kg]	133



## SILVER-2-250-Z

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	5
Voltage [V]	230
Motor power [kW]	0,147
Current [A]	1,55
Revolutions [rpm]	1400
Air flow [m <sup>3</sup> /h]	6500

Operational noise level [dB(A)]	
From distance of 1m	71
From distance of 3m	68
Curtain weight	
Weight [kg]	120

# SILVER-3-150-W

## DIMENSIONS



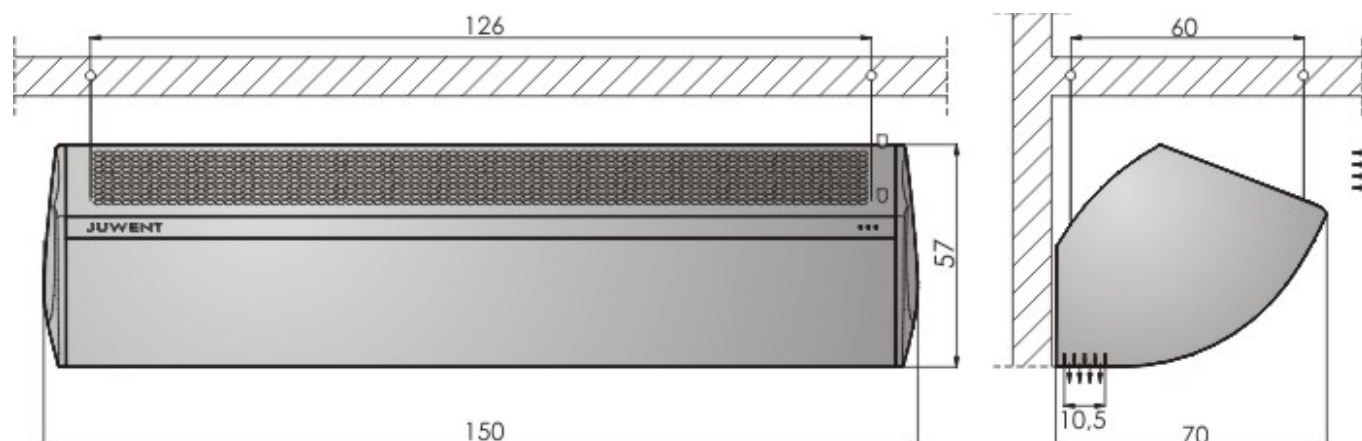
Parameters of fans in curtains	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Air flow of the curtains with the water heater				
Air flow [m³/h]			5400	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	43,9	28	2,7
	10	41,0	34	2,3
	15	36,3	34	1,8
80/60	5	36,5	24	1,9
	10	32,8	27	1,5
	15	29,2	30	1,2
70/50	5	29,4	20	1,2
	10	25,9	23	0,9
	15	22,5	27	0,7
60/40	5	22,6	17	0,7
	10	19,3	20	0,5
	15	16,1	23	0,4

Operational noise level [dB(A)]	
From distance of 1m	71
From distance of 3m	61
Curtain weight	
Weight [kg]	91

## SILVER-3-150-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	5400
Thermal power levels [kW]	18

Operational noise level [dB(A)]	
From distance of 1m	71
From distance of 3m	61
Curtain weight	
Weight [kg]	92

## SILVER-3-150-Z

### DIMENSIONS

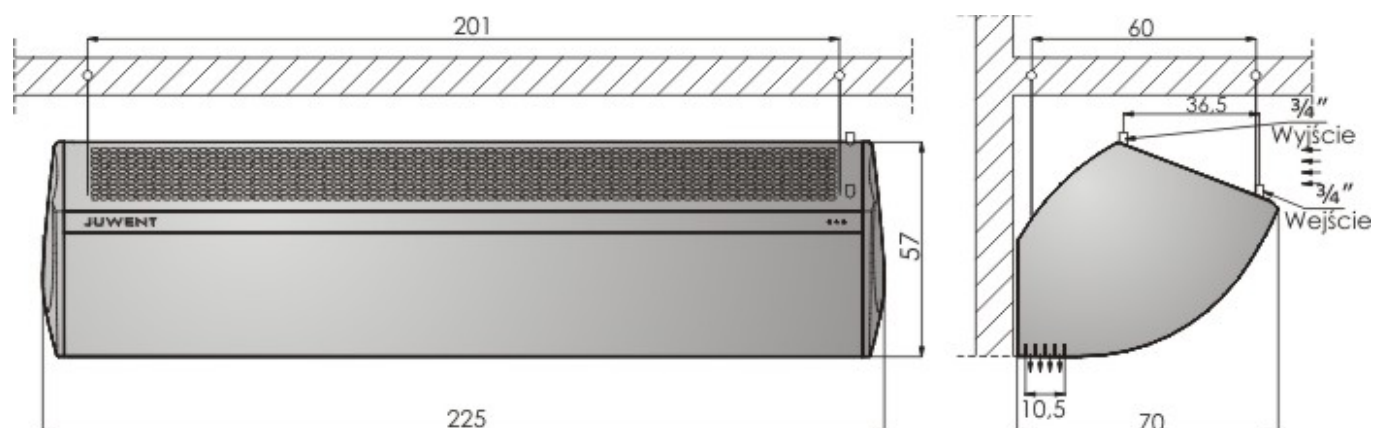


Parameters of fans in curtain	
Number of fans	2
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790
Air flow [m <sup>3</sup> /h]	5400

Operational noise level [dB(A)]	
From distance of 1m	72
From distance of 3m	61
Curtain weight	
Weight [kg]	82

# SILVER-3-225-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Air flow of the curtains with the water heater				
Air flow [m³/h]			8100	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	73,7	30	11,5
	10	67,3	33	10,1
	15	60,9	37	7,0
80/60	5	61,4	26	7,1
	10	55,2	29	6,4
	15	49,2	32	5,1
70/50	5	49,6	22	5,1
	10	43,7	25	4,0
	15	38,0	28	3,0
60/40	5	38,3	18	3,1
	10	32,7	21	2,2
	15	27,3	24	1,5

Operational noise level [dB(A)]	
From distance of 1m	64
From distance of 3m	60
Curtain weight	
Weight [kg]	34

## SILVER-3-225-E

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	8100
Thermal power levels [kW]	27

Operational noise level [dB(A)]	
From distance of 1m	72
From distance of 3m	68
Curtain weight	
Weight [kg]	143



## SILVER-3-225-Z

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790
Air flow [m <sup>3</sup> /h]	8100

Operational noise level [dB(A)]	
From distance of 1m	72
From distance of 3m	68
Curtain weight	
Weight [kg]	

# SILVER-3-300-W

## DIMENSIONS



Parameters of fans in curtains	
Number of fans	3
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Air flow of the curtains with the water heater				
Air flow [m³/h]			10800	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	106,2	32	26,0
	10	96,9	35	22,0
	15	87,8	38	18,2
80/60	5	88,6	28	18,4
	10	79,2	31	15,0
	15	71,1	34	11,9
70/50	5	71,7	23	12,1
	10	63,2	26	9,4
	15	54,9	30	7,1
60/40	5	55,4	19	7,1
	10	47,3	22	5,2
	15	39,5	25	3,8

Operational noise level [dB(A)]	
From distance of 1m	73
From distance of 3m	69
Curtain weight	
Weight [kg]	181

## SILVER-3-300-E

### DIMENSIONS



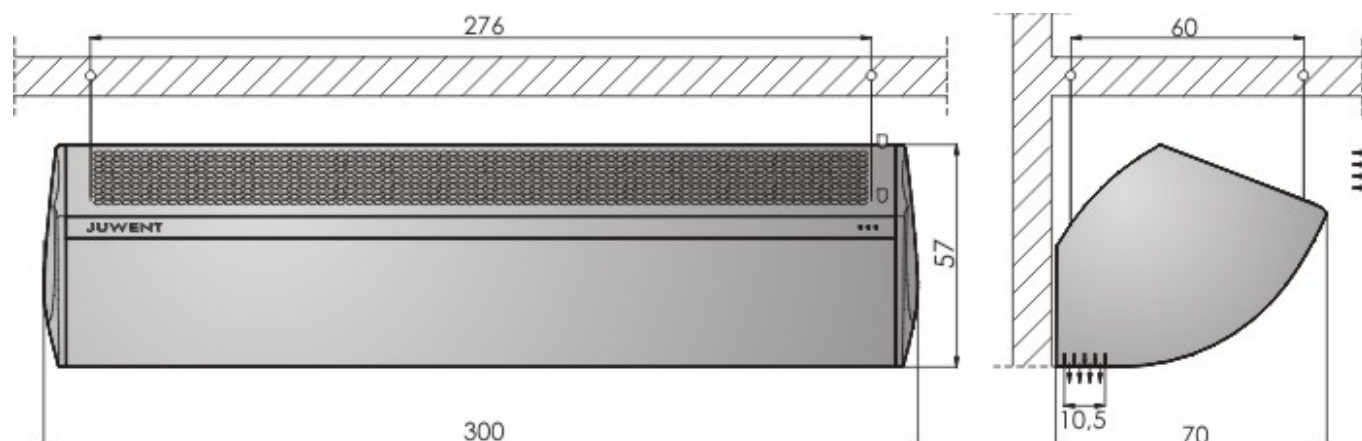
Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	10800
Thermal power levels [kW]	36

Operational noise level [dB(A)]	
From distance of 1m	73
From distance of 3m	69
Curtain weight	
Weight [kg]	184

## SILVER-3-300-Z

### DIMENSIONS



Parameters of fans in curtain	
Number of fans	4
Voltage [V]	230
Motor power [kW]	0,45
Current [A]	2,0
Revolutions [rpm]	790
Air flow [m <sup>3</sup> /h]	10800

Operational noise level [dB(A)]	
From distance of 1m	73
From distance of 3m	69
Curtain weight	
Weight [kg]	162