



## KP/BB Air Curtains

Air curtains for doors and gates are used for protection against outdoor air intake at gates and constructional holes and in doors in halls of industrial plants, storerooms, department stores etc. . They are fitted for deriving and heating air from outside a room. They may also be used without heating air as so called "cold" curtains. The curtains are fitted for installation at gates at the height of 2÷6 m. They may be positioned above gates or at the their sides. Several curtains in a row may be used.

### PRODUCT DESCRIPTION

The curtains consist of:

- housing made of galvanized sheet (with possibility of painting) with intake crack along the whole length
- water or heater electric heater (only sizes 01, 02)
- axial-flow fans (2,3,4 or 5)

The curtains are offered in two variants A and B, with five sizes in each. Each size of a curtain is manufactured in several lengths. B variant with increased spacing of fans and with less quantity of air is meant for milder conditions of the curtain operation.

### WORKING CONDITIONS

The curtains allow for air speed at the floor within the limits of  $2,5 \div 6$  m/s. The water heaters are supplied with water with the temperature of 150°C or lower and the pressure of up to 1,5MPa.

## KP/BB-A-01-94-W

### DIMENSIONS



Parameters of fan in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

Air flow of the curtain with the water heater				
Air flow [m³/h]		2900		
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	15,2	20	2,1
	10	13,7	23	1,8
	15	12,3	27	1,4
80/60	5	12,5	17	1,5
	10	11,1	21	1,2
	15	9,7	24	1,0

<b>70/50</b>	<b>5</b>	10,0	14	1,1
	<b>10</b>	8,5	18	0,9
	<b>15</b>	7,4	22	0,7
<b>60/40</b>	<b>5</b>	7,5	12	0,7
	<b>10</b>	6,3	16	0,5
	<b>15</b>	5,1	20	0,4

Operational noise level [dB(A)]	
Noise level at distance of 3m	60
Curtain weight	
Weight [kg]	47

## KP/BB-A-01-94-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	2900
Thermal power levels [kW]	3 / 9 / 12

Operational noise level [dB(A)]	
From distance of 1m	60
Curtain weight	
Weight [kg]	47

## KP/BB-A-01-94-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410
Air flow [m <sup>3</sup> /h]	2900	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	47

## KP/BB-A-01-141-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

Air flow of the curtains with the water heater				
Air flow [m³/h]		4350		
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	23,0	20	2,1
	10	21,1	24	1,8
	15	18,4	27	1,4
80/60	5	18,8	17	1,5
	10	17,1	21	1,2
	15	14,6	24	1,0
70/50	5	14,9	14	1,1
	10	13,2	18	0,9
	15	11,1	22	0,7

<b>60/40</b>	<b>5</b>	11,2	12	0,7
	<b>10</b>	9,6	16	0,5
	<b>15</b>	7,6	20	0,4

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	68

## KP/BB-A-01-141-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

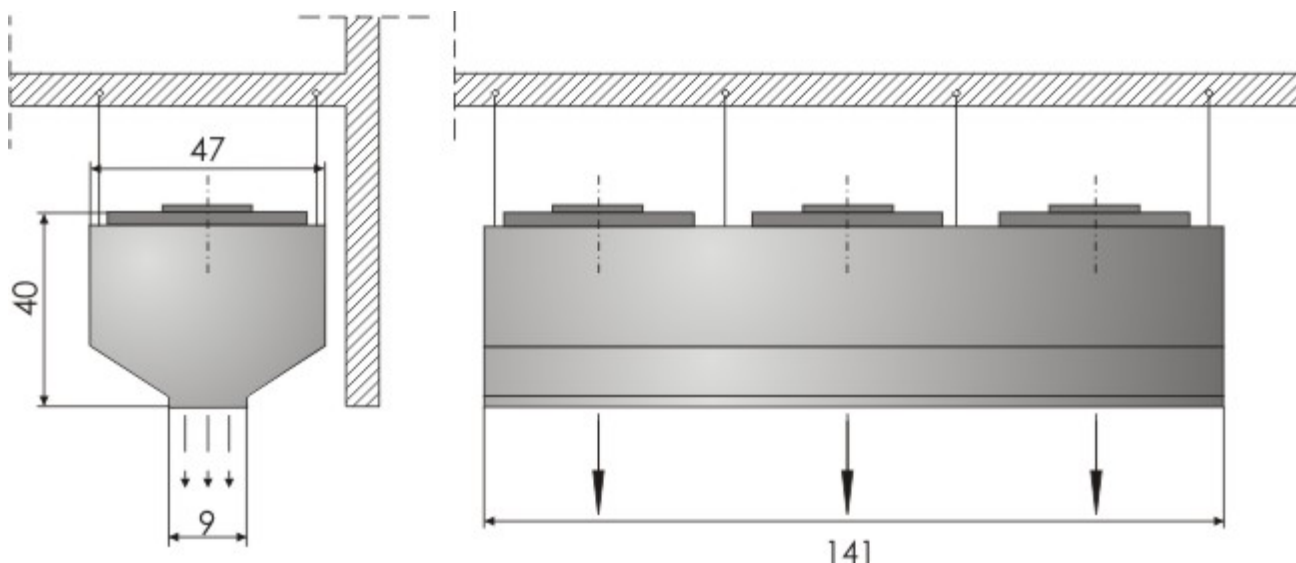
Thermal power and air flow of the curtain with the electric heaters		
Air flow [m <sup>3</sup> /h]	4350	
Thermal power levels [kW]	6 / 12 / 18	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	68



## KP/BB-A-01-141-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410
Air flow [m <sup>3</sup> /h]	4350	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	68

## KP/BB-A-01-188-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

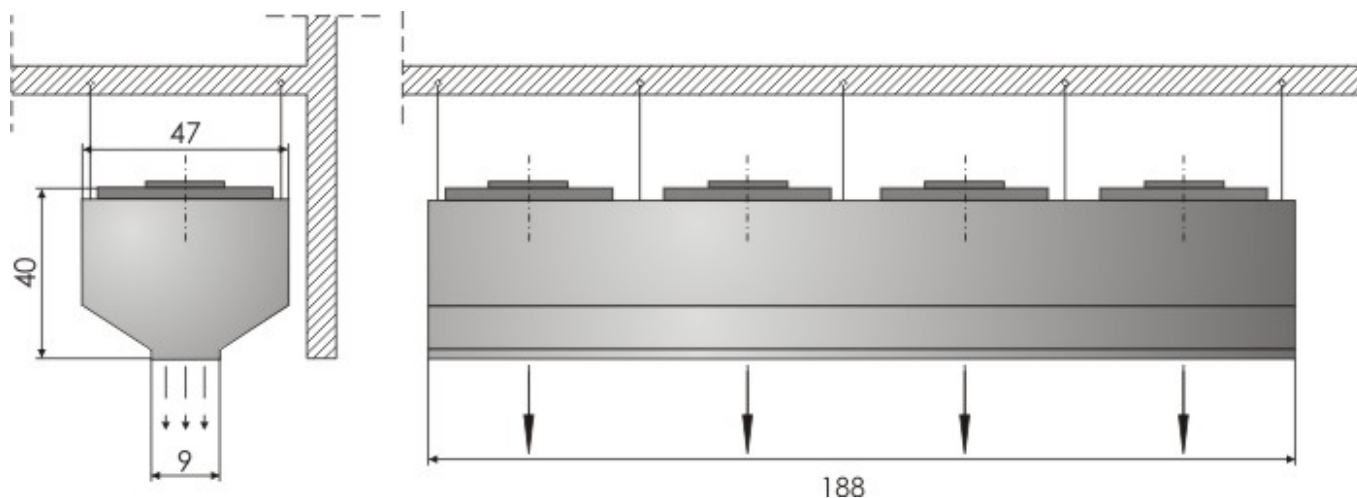
Air flow of the curtains with the water heater				
Air flow [m³/h]			5800	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	30,6	20	2,1
	10	27,6	23	1,8
	15	24,6	27	1,4
80/60	5	25,1	17	1,5
	10	22,3	21	1,2
	15	19,5	24	1,0
70/50	5	20,2	14	1,1
	10	17,3	18	0,9
	15	14,7	22	0,7

<b>60/40</b>	<b>5</b>	15,0	12	0,7
	<b>10</b>	12,6	16	0,5
	<b>15</b>	10,2	20	0,4

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	89

## KP/BB-A-01-188-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	5800
Thermal power levels [kW]	12 / 18 / 24

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	89

## KP/BB-A-01-188-Z

### DIMENSIONS

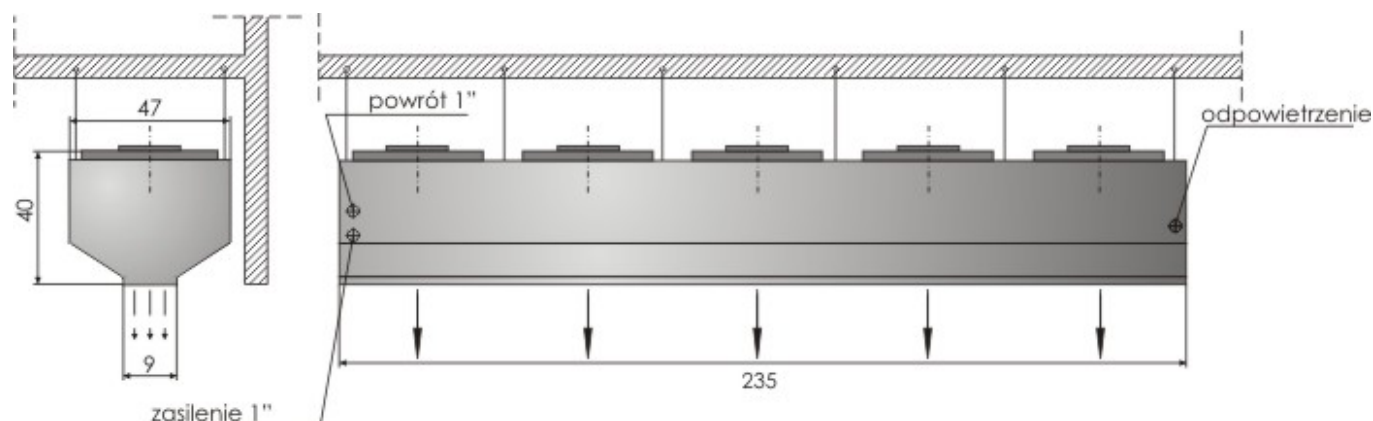


Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410
Air flow [m <sup>3</sup> /h]	5800	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	89

## KP/BB-A-01-235-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

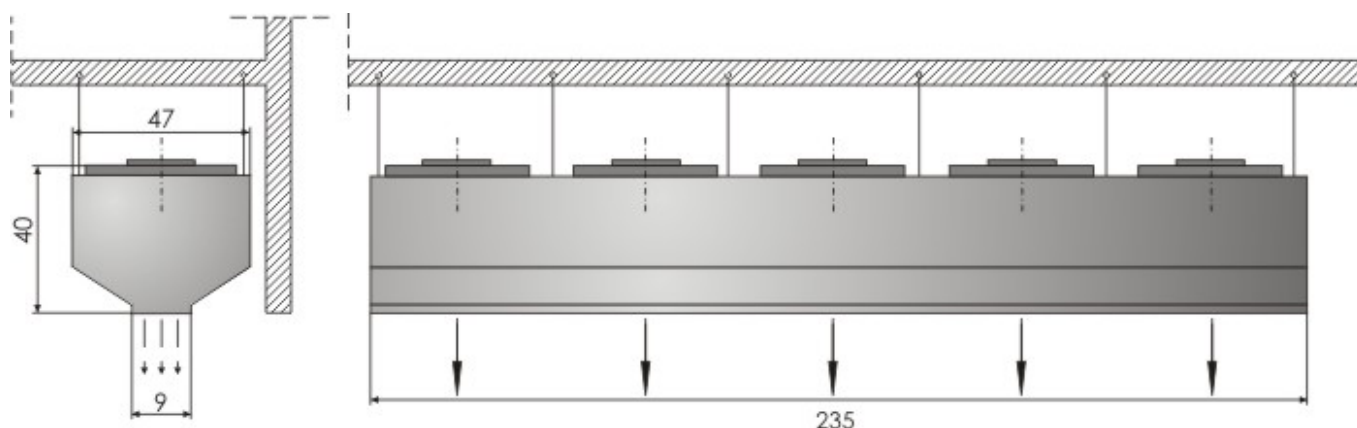
Air flow of the curtains with the water heater				
Air flow [m³/h]			7250	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	39,2	20	2,1
	10	35,3	23	1,8
	15	31,5	27	1,4
80/60	5	32,2	17	1,5
	10	28,5	20	1,2
	15	25,1	24	1,0
70/50	5	25,5	14	1,1
	10	22,2	18	0,9
	15	18,9	22	0,7

<b>60/40</b>	<b>5</b>	19,3	12	0,7
	<b>10</b>	16,1	16	0,5
	<b>15</b>	13,2	20	0,4

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	110

## KP/BB-A-01-235-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

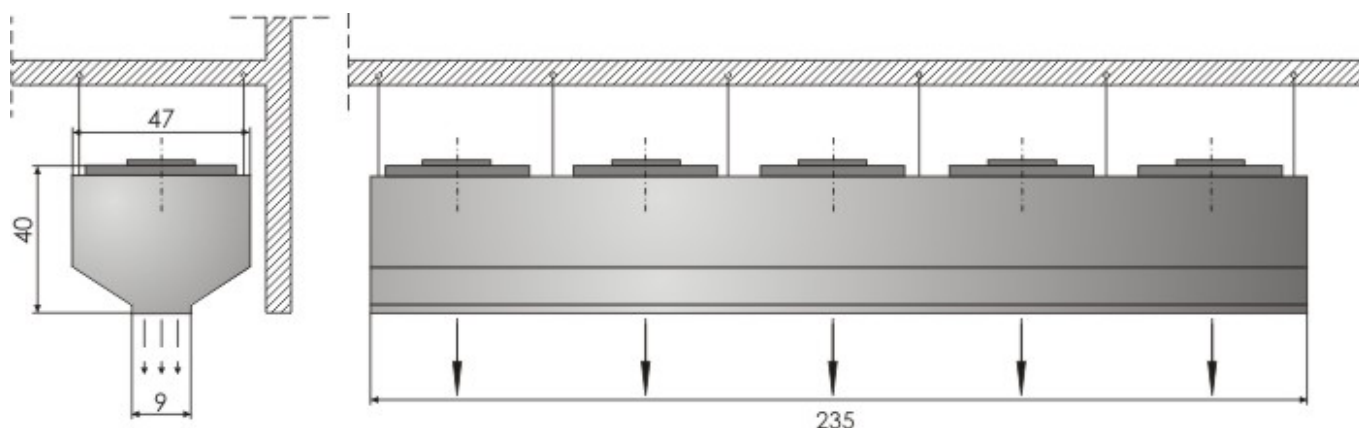
Thermal power and air flow of the curtain with the electric heaters		
Air flow [m <sup>3</sup> /h]	7250	
Thermal power levels [kW]	12 / 24 / 30	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	110



## KP/BB-A-01-235-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410
Air flow [m <sup>3</sup> /h]	7250	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	110

## KP/BB-A-02-110-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Moce cieplne kurtyny z nagrzewnicą wodną				
Wydatek powietrza [m³/h]				4000
Moc cieplna [kW], temperatura powietrza wyływającego [°C] oraz opory przepływu wody [kPa]				
Parametry wody [°C]	Temp. powietrza napływ. [°C]	kW	°C	kPa
90/70	5	26,1	23	6,0
	10	23,5	27	4,8
	15	21,0	30	4,0
80/60	5	21,5	20	4,2
	10	19,1	23	3,3
	15	16,7	27	2,6

<b>70/50</b>	<b>5</b>	17,2	17	2,8
	<b>10</b>	14,8	20	2,2
	<b>15</b>	12,6	24	1,8
<b>60/40</b>	<b>5</b>	12,9	14	1,8
	<b>10</b>	10,8	17	1,3
	<b>15</b>	8,8	21	1,0

<b>Głośność pracy kurtyny [dB(A)]</b>	
<b>Głośność z odległości 3m</b>	62
<b>Masa kurtyny</b>	
<b>Masa [kg]</b>	59

## KP/BB-A-02-110-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	4000
Thermal power levels [kW]	6 / 12 / 18

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	59

## KP/BB-A-02-110-Z

### DIMENSIONS

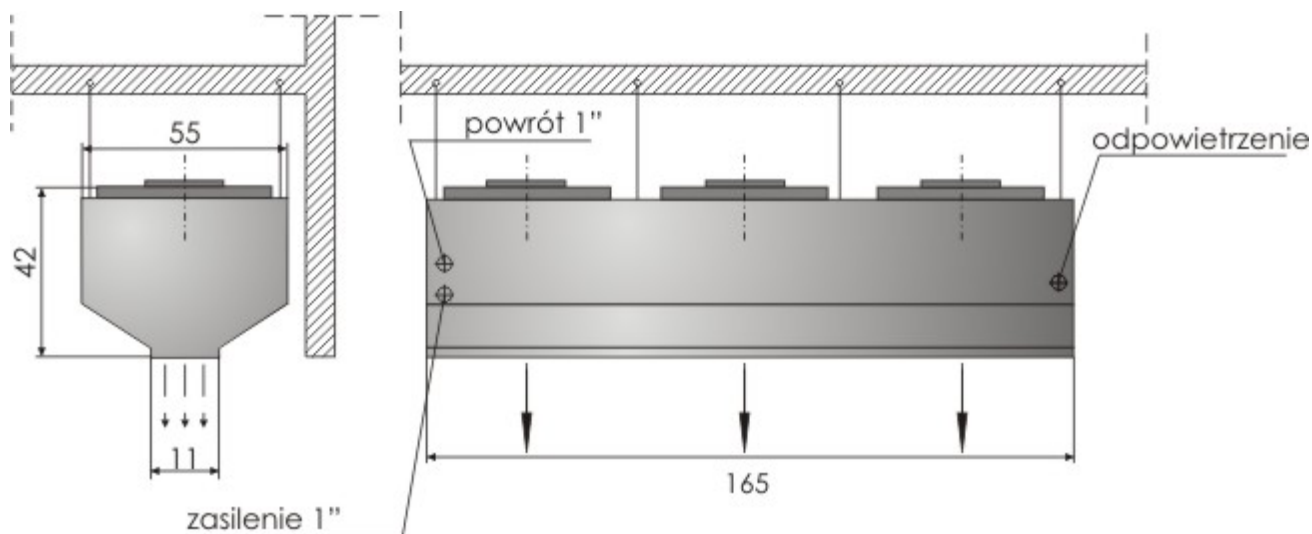


Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350
Air flow [m <sup>3</sup> /h]	4000	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	59

## KP/BB-A-02-165-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Air flow of the curtains with the water heater				
Air flow [m³/h]		6000		
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	39,3	23	6,0
	10	35,4	27	4,8
	20	31,6	30	4,0
80/60	5	32,3	20	4,2
	10	28,7	23	3,3
	15	25,1	27	2,6

<b>70/50</b>	<b>5</b>	25,7	17	2,8
	<b>10</b>	22,3	20	2,2
	<b>15</b>	19,0	24	1,8
<b>60/40</b>	<b>5</b>	19,5	14	1,8
	<b>10</b>	16,3	17	1,3
	<b>15</b>	13,3	21	1,0

Operational noise level [dB(A)]	
From distance of 3m	61
Curtain weight	
Weight [kg]	59

## KP/BB-A-02-165-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	6000
Thermal power levels [kW]	9 / 18 / 27

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	84



## KP/BB-A-02-165-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350
Air flow [m <sup>3</sup> /h]	6000	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	84

## KP/BB-A-02-220-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

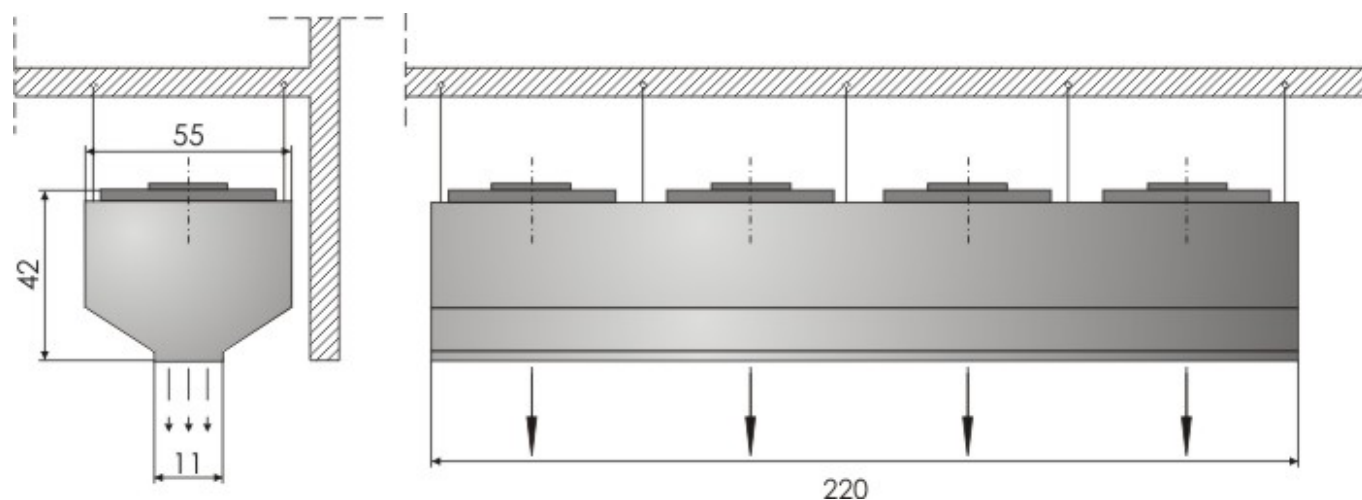
Air flow of the curtains with the water heater				
Air flow [m³/h]		8000		
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	52,4	23	6,0
	10	47,2	27	4,8
	15	42,2	30	4,0
80/60	5	43,1	20	4,2
	10	38,3	23	3,3
	15	33,6	27	2,6
70/50	5	34,3	17	2,8
	10	29,8	20	2,2
	15	25,5	24	1,8

<b>60/40</b>	<b>5</b>	26,1	14	1,8
	<b>10</b>	21,8	17	1,3
	<b>15</b>	17,8	21	1,0

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	111

## KP/BB-A-02-220-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	8000
Thermal power levels [kW]	12 / 24 / 36

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	111

## KP/BB-A-02-220-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350
Air flow [m <sup>3</sup> /h]	8000	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	111

## KP/BB-A-02-275-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Air flow of the curtains with the water heater				
Air flow [m³/h]		10000		
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	65,5	23	6,0
	10	59,1	27	4,8
	15	52,8	30	4,0
80/60	5	53,9	20	4,2
	10	47,9	23	3,3
	15	42,0	27	2,6
70/50	5	42,9	17	2,8
	10	37,3	20	2,2
	15	31,8	24	1,8
60/40	5	32,5	14	1,8
	10	27,3	17	1,3
	15	22,3	21	1,0

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	137

## KP/BB-A-02-275-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

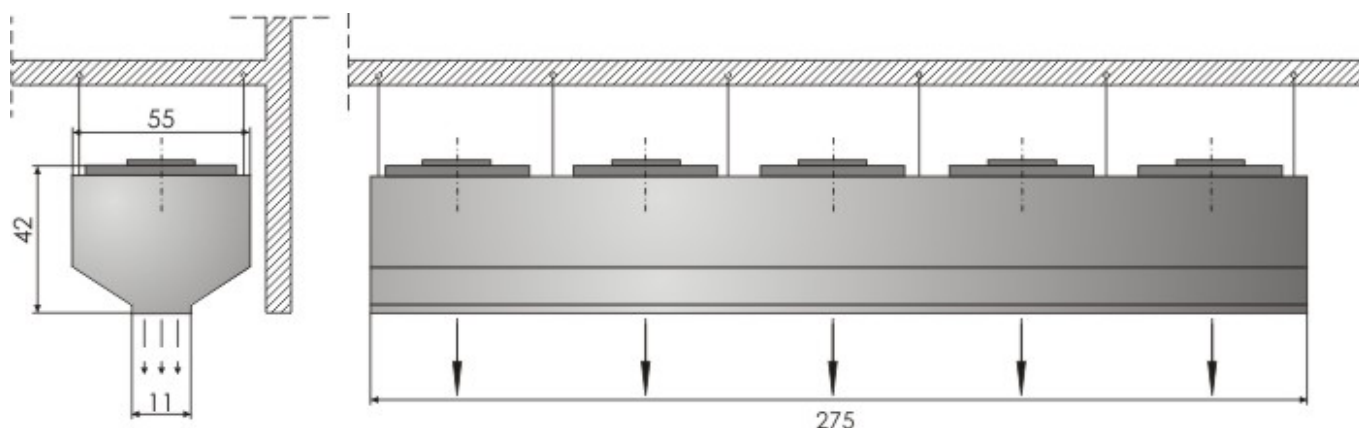
Thermal power and air flow of the curtain with the electric heaters		
Air flow [m <sup>3</sup> /h]	10000	
Thermal power levels [kW]	15 / 30 / 49	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	137



## KP/BB-A-02-275-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	5	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350
Air flow [m <sup>3</sup> /h]	10000	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	137

## KP/BB-A-1-120-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250

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	31,5	18	1,0
	10	28,2	22	0,9
	15	25,5	25	0,8
80/60	5	25,5	16	0,8
	10	22,8	20	0,7
	15	20,2	24	0,6
70/50	5	20,3	14	0,6
	10	17,7	17	0,4
	15	15,3	21	0,3

<b>60/40</b>	<b>5</b>	15,3	11	0,2
	<b>10</b>	12,9	15	0,1
	<b>15</b>	10,7	19	0,1

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	60
<b>Curtain weight</b>	
<b>Weight [kg]</b>	102

## KP/BB-A-1-120-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250
Air flow [m <sup>3</sup> /h]	6500	

Operational noise level [dB(A)]	
From distance of 5m	60
Curtain weight	
Weight [kg]	102

## KP/BB-A-1-180-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250

Air flow of the curtains with the water heater				
Air flow [m³/h]		9750		
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	56,0	21	3,0
	10	51,0	22	2,6
	15	46,2	28	2,2
80/60	5	46,4	18	2,2
	10	41,5	22	1,8
	15	36,7	26	1,4
70/50	5	36,9	15	1,5
	10	32,3	19	1,2
	15	27,8	23	1,0

<b>60/40</b>	<b>5</b>	27,9	13	1,0
	<b>10</b>	23,6	17	0,8
	<b>15</b>	19,5	20	0,6

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	60
<b>Curtain weight</b>	
<b>Weight [kg]</b>	102

## KP/BB-A-1-180-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250
Air flow [m <sup>3</sup> /h]	9750	

Operational noise level [dB(A)]	
From distance of 5m	62
Curtain weight	
Weight [kg]	102

## KP/BB-A-1-240-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250

Air flow of the curtains with the water heater				
Air flow [m³/h]		13000		
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	84,8	23	7,5
	10	77,1	27	6,8
	15	69,5	30	6,0
80/60	5	69,9	20	6,0
	10	62,6	23	4,4
	15	55,4	27	3,5
70/50	5	55,7	17	3,5
	10	48,7	20	3,0
	15	42,0	24	2,3



<b>60/40</b>	<b>5</b>	42,3	14	2,3
	<b>10</b>	35,8	18	1,8
	<b>15</b>	29,2	21	1,4

Operational noise level [dB(A)]	
From distance of 5m	60
Curtain weight	
Weight [kg]	132

## KP/BB-A-1-240-Z

### DIMENSIONS

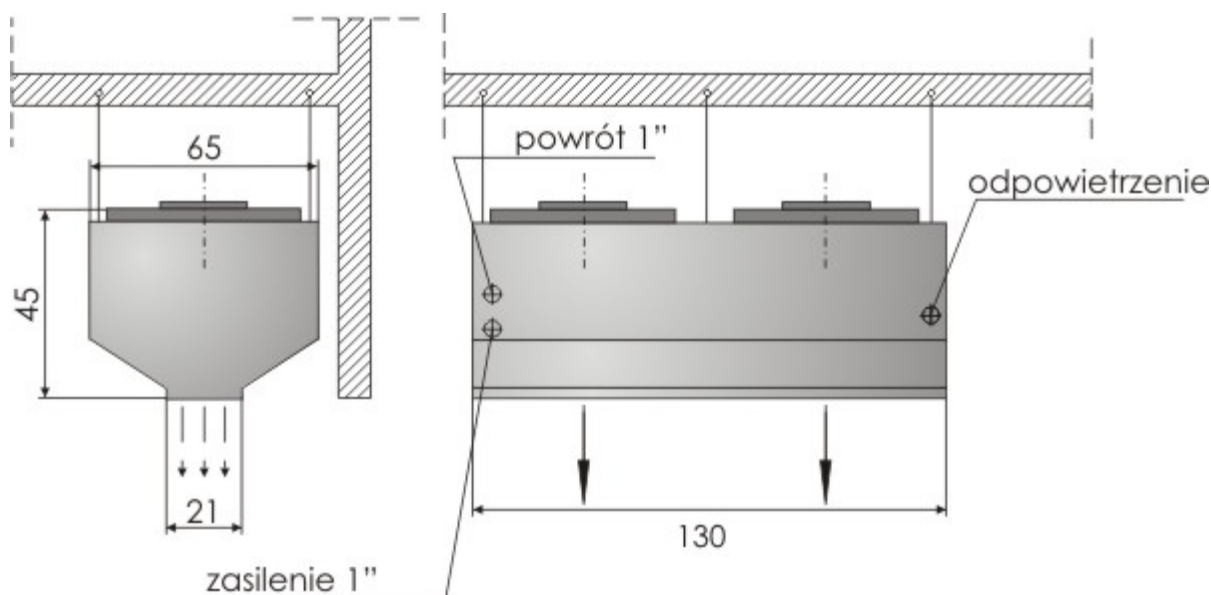


Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250
Air flow [m <sup>3</sup> /h]	13000	

Operational noise level [dB(A)]	
From distance of 5m	60
Curtain weight	
Weight [kg]	132

## KP/BB-A-2-130-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360

Air flow of the curtains with the water heater				
Air flow [m³/h]		11000		
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	49,0	17	1,2
	10	45,2	21	1,1
	15	40,6	25	1,0
80/60	5	40,8	15	1,0
	10	36,5	19	0,9
	15	32,3	23	0,8
70/50	5	32,4	13	0,8
	10	28,3	17	0,7
	15	24,3	21	0,6

<b>60/40</b>	<b>5</b>	24,5	11	0,6
	<b>10</b>	20,6	15	0,5
	<b>15</b>	17,0	19	0,4

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	66
<b>Curtain weight</b>	
<b>Weight [kg]</b>	88

## KP/BB-A-2-130-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360
Air flow [m <sup>3</sup> /h]	11000	

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	88

## KP/BB-A-2-195-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360

Air flow of the curtains with the water heater				
Air flow [m³/h]			16500	
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	89,6	20	5,0
	10	81,4	24	4,3
	15	73,3	28	3,2
80/60	5	73,7	17	3,2
	10	65,9	21	2,7
	15	58,2	25	2,4

<b>70/50</b>	<b>5</b>	58,5	15	2,4
	<b>10</b>	51,2	18	1,9
	<b>15</b>	44,1	22	1,5
<b>60/40</b>	<b>5</b>	44,3	12	1,5
	<b>10</b>	37,5	16	1,2
	<b>15</b>	30,9	20	0,9

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	129

## KP/BB-A-2-195-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360
Air flow [m <sup>3</sup> /h]	16500	

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	129



## KP/BB-A-2-260-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360

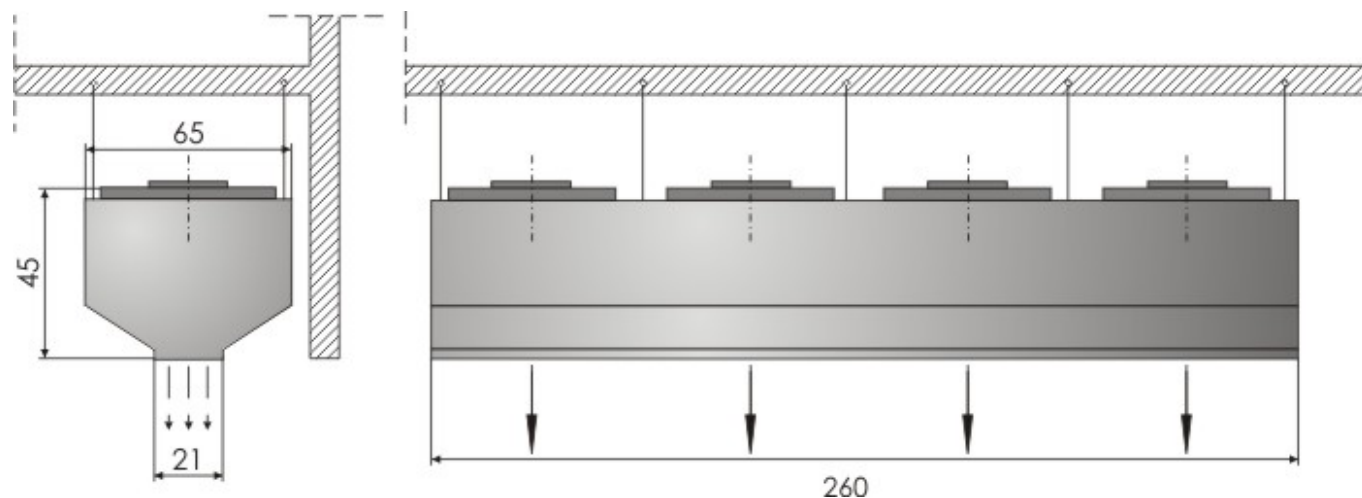
Air flow of the curtains with the water heater				
Air flow [m³/h]			22000	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	125,8	21	11,5
	10	114,2	24	9,3
	15	103,0	28	8,0
80/60	5	103,0	18	8,0
	10	92,6	22	7,6
	15	81,8	25	5,5
70/50	5	82,3	15	5,5
	10	72,0	19	4,5
	15	62,1	23	3,8

<b>60/40</b>	<b>5</b>	62,4	13	3,9
	<b>10</b>	52,7	16	2,6
	<b>15</b>	43,5	20	2,0

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	66
<b>Curtain weight</b>	
<b>Weight [kg]</b>	168

## KP/BB-A-2-260-Z

### DIMENSIONS

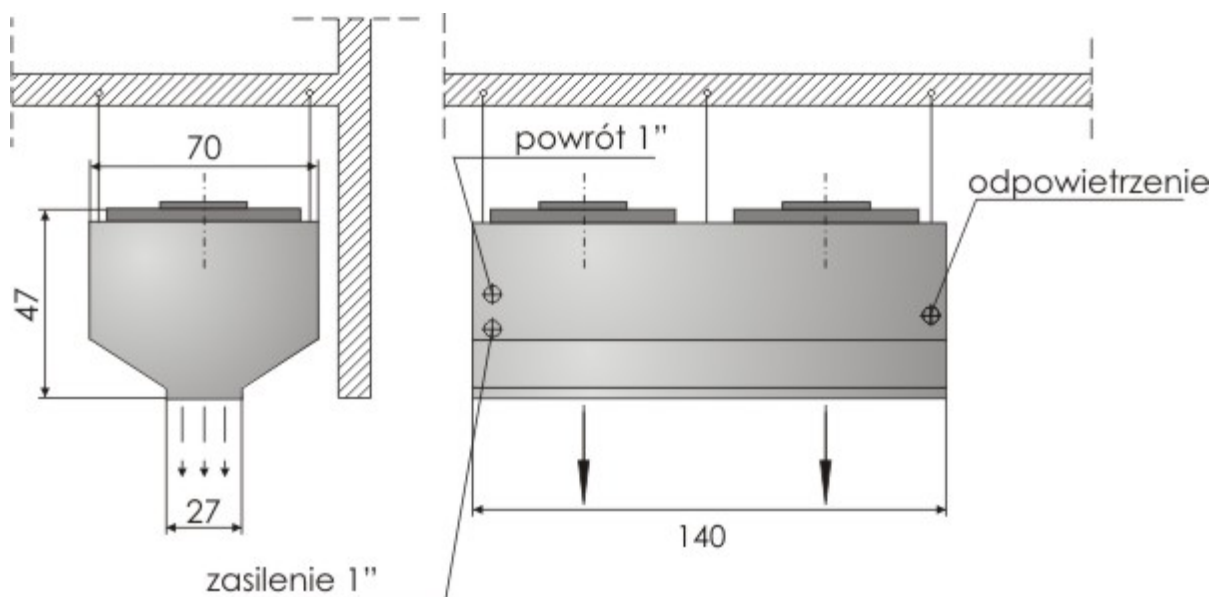


Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360
Air flow [m <sup>3</sup> /h]	22000	

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	168

## KP/BB-A-3-140-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330

Air flow of the curtains with the water heater				
Air flow [m <sup>3</sup> /h]				15600
Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa]				
Parametry wody [°C]	Temp. powietrza napływ. [°C]	kW	°C	kPa
90/70	5	64,2	16	2,2
	10	58,2	20	1,8
	15	52,4	24	1,5
80/60	5	52,6	14	1,5
	10	47,1	18	1,3
	15	41,6	22	1,0
70/50	5	41,7	12	1,0
	10	36,4	16	0,9
	15	31,4	20	0,8

<b>60/40</b>	<b>5</b>	31,5	10	0,8
	<b>10</b>	26,6	14	0,6
	<b>15</b>	21,9	19	0,5

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	67
<b>Curtain weight</b>	
<b>Weight [kg]</b>	105

## KP/BB-A-3-140-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330
Air flow [m <sup>3</sup> /h]	15600	

Operational noise level [dB(A)]	
From distance of 5m	67
Curtain weight	
Weight [kg]	105

## KP/BB-A-3-210-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330

Air flow of the curtains with the water heater				
Air flow [m³/h]			23200	
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	115,0	19	8,0
	10	104,6	23	6,1
	15	94,2	27	5,3
80/60	5	94,6	16	5,2
	10	84,6	20	4,3
	15	74,8	24	3,3
70/50	5	75,1	14	3,1
	10	65,7	18	2,7
	15	56,6	22	2,2

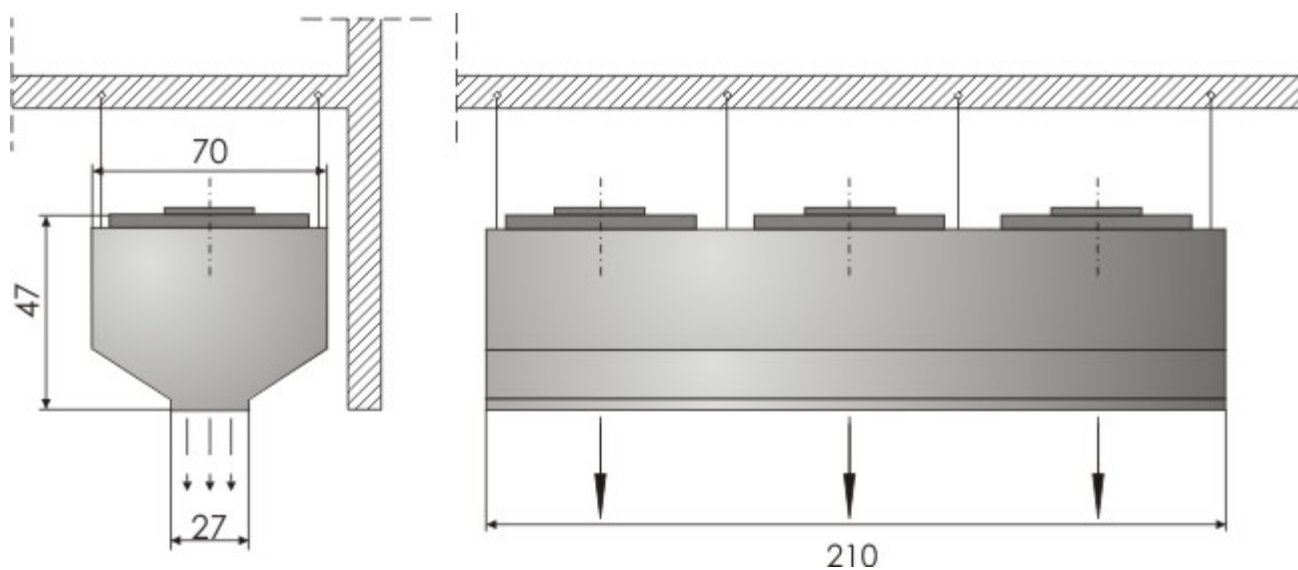
<b>60/40</b>	<b>5</b>	56,8	12	2,2
	<b>10</b>	48,0	16	1,6
	<b>15</b>	39,6	20	1,2

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	67
<b>Curtain weight</b>	
<b>Weight [kg]</b>	151



## KP/BB-A-3-210-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330
Air flow [m <sup>3</sup> /h]	23200	

Operational noise level [dB(A)]	
From distance of 5m	67
Curtain weight	
Weight [kg]	151

## KP/BB-A-3-280-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330

Air flow of the curtains with the water heater				
Air flow [m³/h]			31200	
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	173,9	20	19,5
	10	158,0	24	16,0
	15	142,2	28	13,5
80/60	5	143,1	18	13,4
	10	127,9	21	11,8
	15	113,2	25	9,1
70/50	5	113,0	15	9,0
	10	99,6	19	8,4
	15	85,7	23	6,5

<b>60/40</b>	<b>5</b>	86,2	13	6,4
	<b>10</b>	72,9	16	4,3
	<b>15</b>	60,1	20	3,4

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	67
<b>Curtain weight</b>	
<b>Weight [kg]</b>	199

## KP/BB-A-3-280-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330
Air flow [m <sup>3</sup> /h]	31200	

Operational noise level [dB(A)]	
From distance of 5m	67
Curtain weight	
Weight [kg]	199

## KP/BB-B-01-150-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

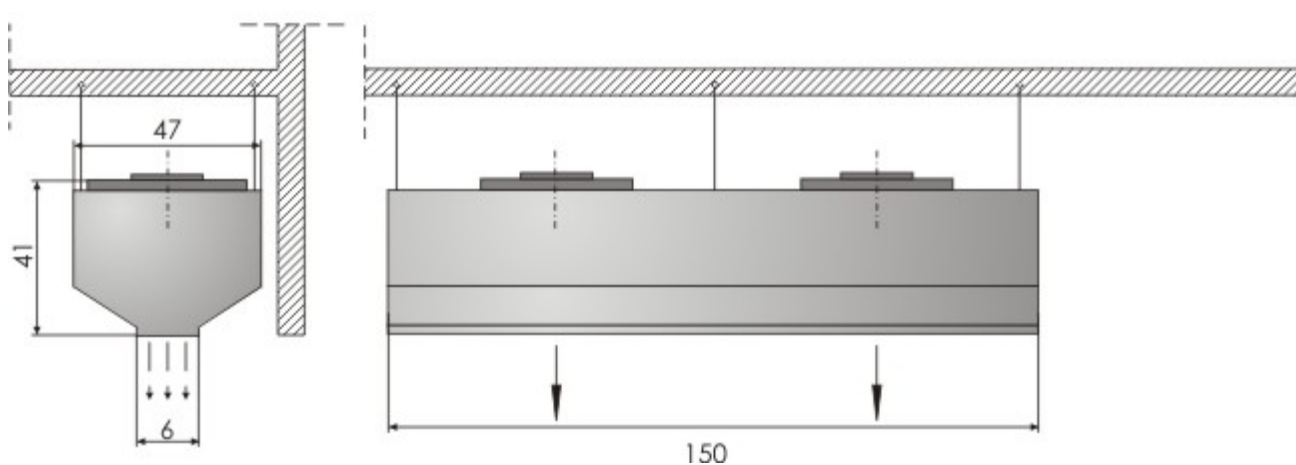
Air flow of the curtains with the water heater				
Air flow [m³/h]		2900		
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	23,0	27	3,8
	10	20,8	30	3,0
	15	18,5	33	2,5
80/60	5	19,1	23	2,6
	10	16,9	26	2,0
	15	14,8	30	1,7
70/50	5	15,1	19	1,7
	10	13,2	23	1,4
	15	11,2	26	1,2

<b>60/40</b>	<b>5</b>	11,5	16	1,3
	<b>10</b>	9,6	19	0,8
	<b>15</b>	7,9	23	0,6

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	65

## KP/BB-B-01-150-E

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410

Thermal power and air flow of the curtain with the electric heaters		
Air flow [m³/h]	2900	
Thermal power levels [kW]	3 / 9 / 12	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	65

## KP/BB-B-01-150-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	4	
Voltage [V]	230	400
Motor power [kW]	0,13	0,12
Current [A]	0,59	0,29
Revolutions [rpm]	1400	1410
Air flow [m <sup>3</sup> /h]	2900	

Operational noise level [dB(A)]	
From distance of 3m	60
Curtain weight	
Weight [kg]	150



## KP/BB-B-02-150-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

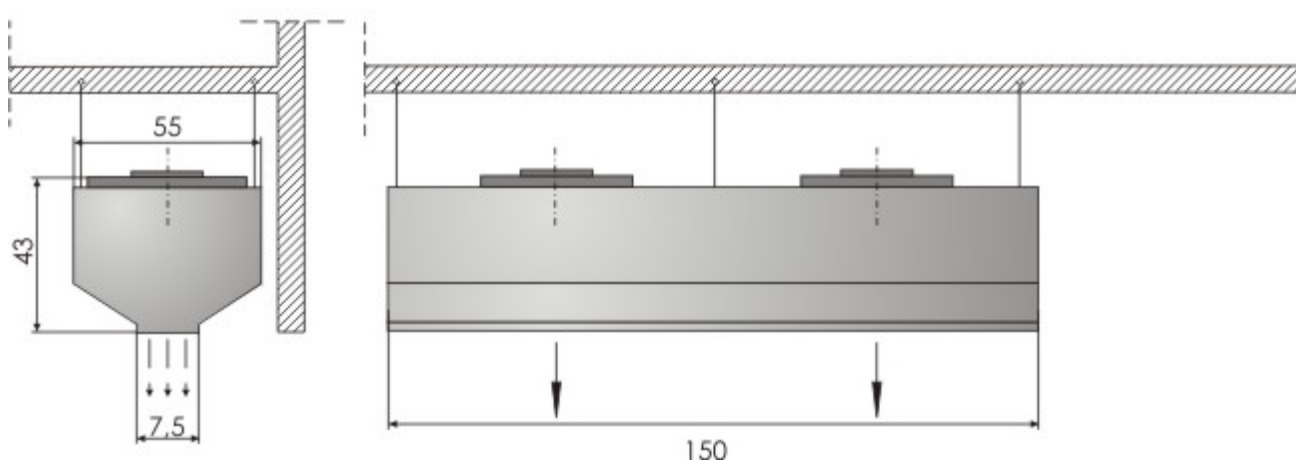
Air flow of the curtains with the water heater				
Air flow [m³/h]			4000	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	33,0	28	7,5
	10	29,8	31	5,5
	15	26,6	34	5,0
80/60	5	27,2	24	5,0
	10	24,2	27	4,2
	15	21,3	30	3,5
70/50	5	21,7	20	3,6
	10	18,9	23	2,8
	15	16,2	26	2,1

<b>60/40</b>	<b>5</b>	16,5	16	2,2
	<b>10</b>	13,9	20	1,8
	<b>15</b>	11,4	23	1,3

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 3m</b>	62
<b>Curtain weight</b>	
<b>Weight [kg]</b>	73

## KP/BB-B-02-150-E

### DIMENSIONS



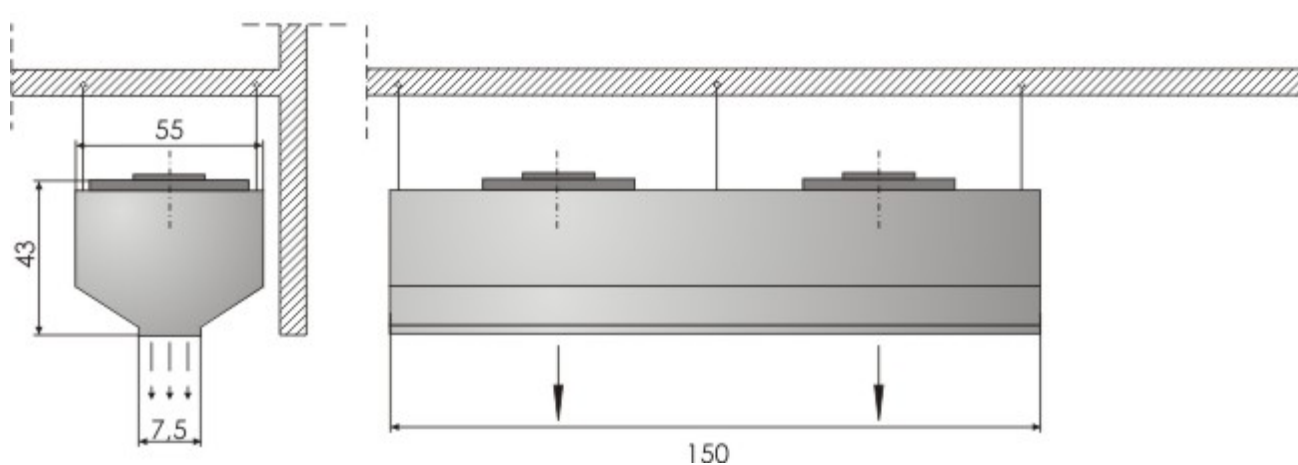
Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350

Thermal power and air flow of the curtain with the electric heaters	
Air flow [m <sup>3</sup> /h]	4000
Thermal power levels [kW]	6 / 12 / 18

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	73

## KP/BB-B-02-150-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,20	0,18
Current [A]	0,9	0,33
Revolutions [rpm]	1400	1350
Air flow [m <sup>3</sup> /h]	4000	

Operational noise level [dB(A)]	
From distance of 3m	62
Curtain weight	
Weight [kg]	73

## KP/BB-B-1-200-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250

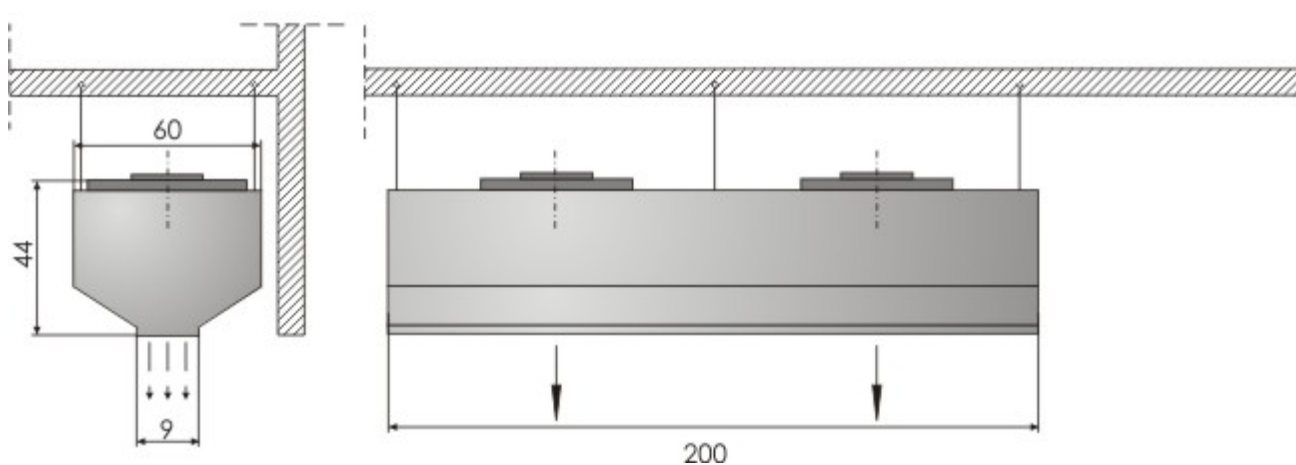
Air flow of the curtains with the water heater				
Air flow [m³/h]			6500	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	49,2	26	2,7
	10	44,7	29	2,3
	15	40,3	33	1,9
80/60	5	40,6	22	1,9
	10	36,4	26	1,6
	15	32,2	29	1,3
70/50	5	32,4	19	1,3
	10	28,4	22	1,0
	15	24,5	26	0,8

<b>60/40</b>	<b>5</b>	24,7	15	0,8
	<b>10</b>	20,9	19	0,6
	<b>15</b>	17,3	22	0,5

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	60
<b>Curtain weight</b>	
<b>Weight [kg]</b>	102

## KP/BB-B-1-200-Z

### DIMENSIONS

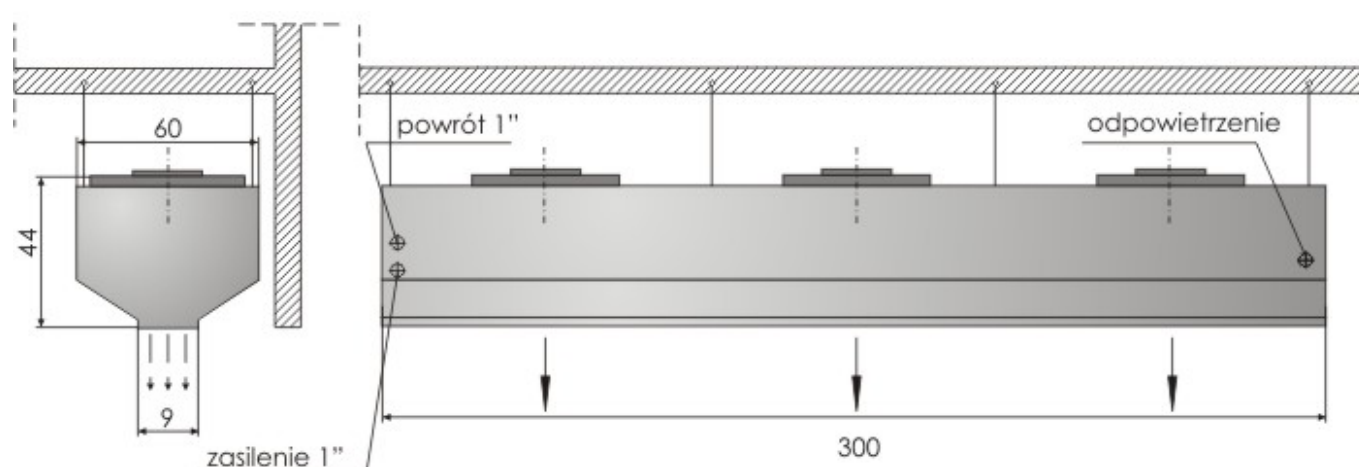


Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250
Air flow [m <sup>3</sup> /h]	6500	

Operational noise level [dB(A)]	
From distance of 5m	60
Curtain weight	
Weight [kg]	102

## KP/BB-B-1-300-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250

Air flow of the curtains with the water heater				
Air flow [m³/h]		9750		
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	86,0	28	9,0
	10	78,3	33	8,0
	15	70,7	36	6,5
80/60	5	71,3	25	6,5
	10	63,9	28	5,3
	15	56,6	32	4,8
70/50	5	57,7	21	4,6
	10	50,0	24	4,0
	15	43,2	28	2,9

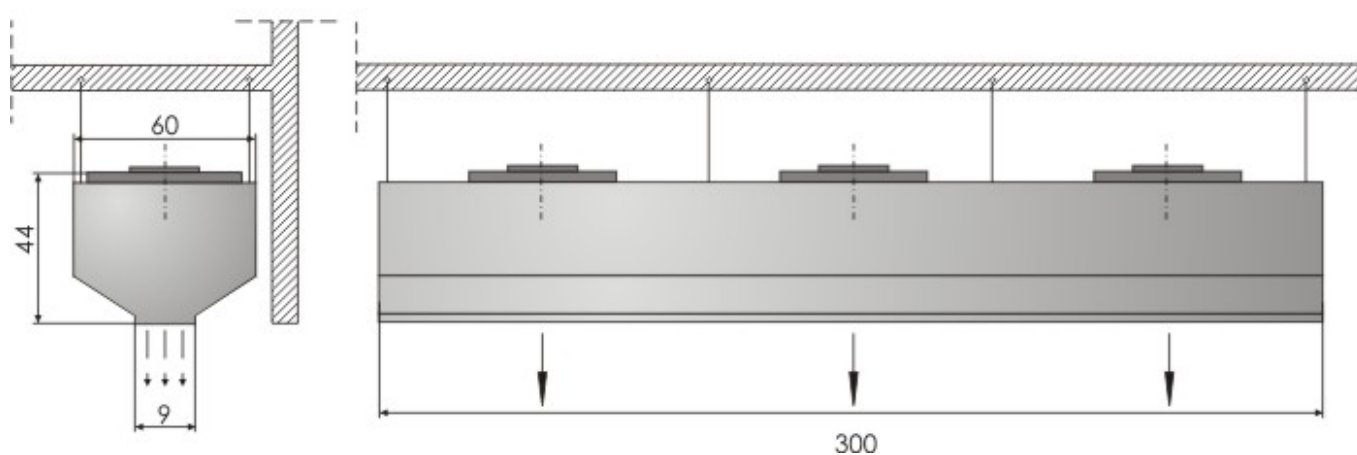


<b>60/40</b>	<b>5</b>	43,5	17	2,9
	<b>10</b>	36,2	20	9,3
	<b>15</b>	36,0	24	1,8

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	60
<b>Curtain weight</b>	
<b>Weight [kg]</b>	149

## KP/BB-B-1-300-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,31	0,28
Current [A]	1,35	0,47
Revolutions [rpm]	1320	1250
Air flow [m <sup>3</sup> /h]	9750	

Operational noise level [dB(A)]	
From distance of 1m	60
Curtain weight	
Weight [kg]	149

## KP/BB-B-2-200-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360

Air flow of the curtains with the water heater				
Air flow [m³/h]			11000	
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	73,2	23	3,2
	10	66,5	27	2,8
	15	60,0	31	2,4
80/60	5	60,4	20	2,5
	10	54,0	24	2,2
	15	47,8	27	1,7
70/50	5	48,1	17	1,7
	10	42,1	21	1,3
	15	36,3	24	1,0

<b>60/40</b>	<b>5</b>	36,5	14	1,0
	<b>10</b>	30,9	18	0,9
	<b>15</b>	25,5	21	0,8

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	66
<b>Curtain weight</b>	
<b>Weight [kg]</b>	117

## KP/BB-A-2-196-Z

### DIMENSIONS

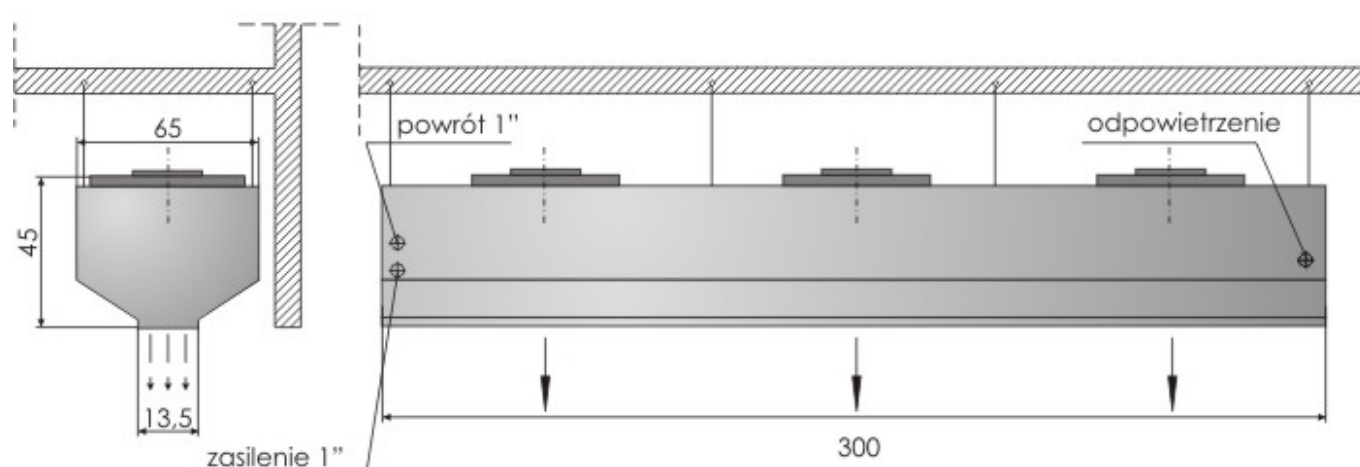


Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360
Air flow [m <sup>3</sup> /h]	11000	

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	117

## KP/BB-B-2-300-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360

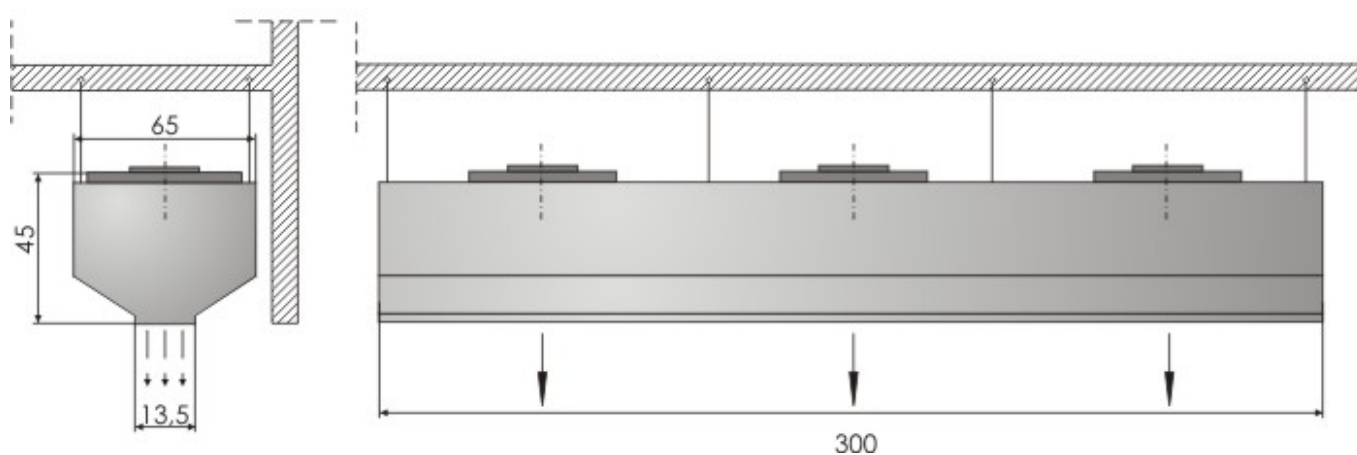
Air flow of the curtains with the water heater				
Air flow [m³/h]			16500	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	128,8	27	14,0
	10	117,1	30	12,5
	15	105,6	33	8,9
80/60	5	106,4	23	9,0
	10	95,3	26	8,0
	15	84,4	30	6,5
70/50	5	85,0	19	6,4
	10	74,5	23	4,8
	15	66,4	26	4,3

<b>60/40</b>	<b>5</b>	<b>64,7</b>	<b>16</b>	<b>4,2</b>
	<b>10</b>	<b>54,9</b>	<b>19</b>	<b>3,0</b>
	<b>15</b>	<b>45,4</b>	<b>23</b>	<b>2,4</b>

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	<b>66</b>
<b>Curtain weight</b>	
<b>Weight [kg]</b>	<b>170</b>

## KP/BB-B-2-300-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,61	0,54
Current [A]	2,8	1,05
Revolutions [rpm]	1310	1360
Air flow [m <sup>3</sup> /h]	16500	

Operational noise level [dB(A)]	
From distance of 5m	66
Curtain weight	
Weight [kg]	170



## KP/BB-B-3-200-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330

Air flow of the curtains with the water heater				
Air flow [m³/h]		15600		
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	88,9	21	5,1
	10	80,8	24	4,0
	15	72,8	28	3,4
80/60	5	73,2	18	3,3
	10	65,5	22	2,8
	15	57,9	25	2,4
70/50	5	58,2	15	2,4
	10	50,9	19	1,9
	15	43,9	23	1,6

<b>60/40</b>	<b>5</b>	44,1	13	1,5
	<b>10</b>	37,3	17	1,4
	<b>15</b>	38,0	20	1,0

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	67
<b>Curtain weight</b>	
<b>Weight [kg]</b>	131

## KP/BB-B-3-200-Z

### DIMENSIONS

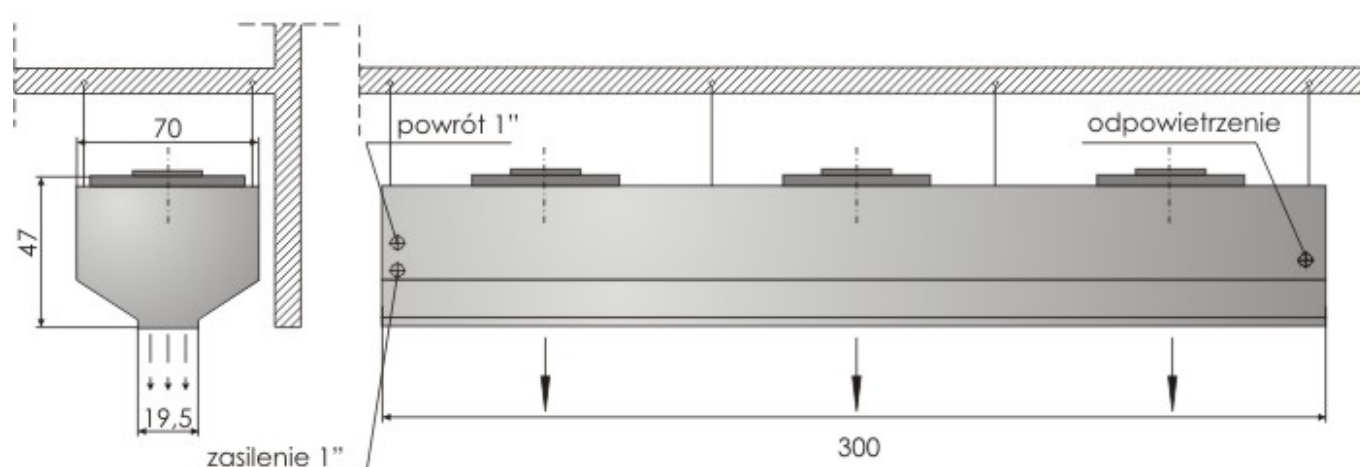


Parameters of fans in curtain		
Number of fans	2	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330
Air flow [m <sup>3</sup> /h]	15600	

Operational noise level [dB(A)]	
From distance of 5m	67
Curtain weight	
Weight [kg]	131

## KP/BB-B-3-300-W

### DIMENSIONS



Parameters of fans in curtains		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330

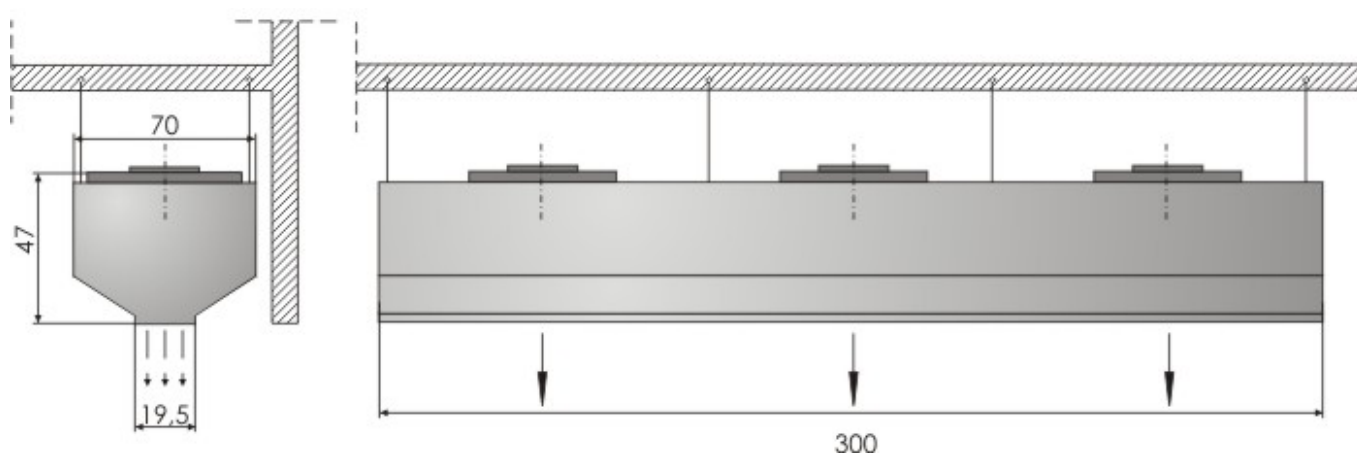
Air flow of the curtains with the water heater				
Air flow [m³/h]			23200	
Thermal power [kW], outflow air temperature [oC] and resistance of water flow [kPa]				
Water temp. [°C]	Inflow air temp. [°C]	kW	°C	kPa
90/70	5	156,0	24	19,0
	10	142,2	27	15,5
	15	128,2	31	13,0
80/60	5	129,0	20	13,0
	10	115,4	24	11,6
	15	102,2	27	9,0
70/50	5	102,0	17	8,9
	10	90,0	21	8,0
	15	77,7	24	6,1

<b>60/40</b>	<b>5</b>	78,1	14	6,1
	<b>10</b>	66,1	18	4,2
	<b>15</b>	54,6	22	3,3

<b>Operational noise level [dB(A)]</b>	
<b>From distance of 5m</b>	67
<b>Curtain weight</b>	
<b>Weight [kg]</b>	188

## KP/BB-B-3-300-Z

### DIMENSIONS



Parameters of fans in curtain		
Number of fans	3	
Voltage [V]	230	400
Motor power [kW]	0,78	0,79
Current [A]	3,4	1,45
Revolutions [rpm]	1310	1330
Air flow [m <sup>3</sup> /h]	23200	

Operational noise level [dB(A)]	
From distance of 5m	67
Curtain weight	
Weight [kg]	188