



SMART Air Curtains

Air curtains are used for protection against outer air inflow at doors and construction outer holes in shops, department stores, workshops etc. They are fitted for deriving and heating air from inside a room. The curtains are fitted for installation at doors high up to 2,5 m.

PRODUCT DESCRIPTION

The curtains consist of:

- housing made of steel sheet
- electric or water heater
- fan

The curtains are made in three lengths 104, 156 and 200 cm.

WORKING CONDITIONS

Water heaters are fed with water of 150°C or lower temperature and pressure of 1,5Mpa. Electric heater power supply is three-phase 400V. Curtains with 100cm length could be equipped with single phase electric heater with thermal power of 3kW. The heaters are equipped with protection against exceeding max. temperature of heaters operation.

SMART-104-W

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250

Airflow and Heating Capacity				
Airflow (m³/h)			1400	
Heating capacity (kW), discharge air temperature (°C) and water pressure drop (kPa)				
Water temperatures (°C)	Entering air temperature (°C)	kW	°C	kPa
90/70	5	11,5	28	2,1
	10	10,4	31	1,7
	15	9,4	34	1,4
	20	8,5	38	1,1
80/60	5	9,5	24	1,6
	10	8,5	27	1,3
	15	7,6	30	1,0
	20	6,7	34	0,8
70/50	5	7,7	20	1,3
	10	6,7	23	1,0
	15	5,8	27	0,8
	20	5,0	30	0,6
60/40	5	5,9	17	0,7
	10	5,0	20	0,5
	15	4,2	23	0,4
	20	3,4	28	0,3

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	49	46
Weight		
Weight (kg)	25	

SMART-104-E

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250

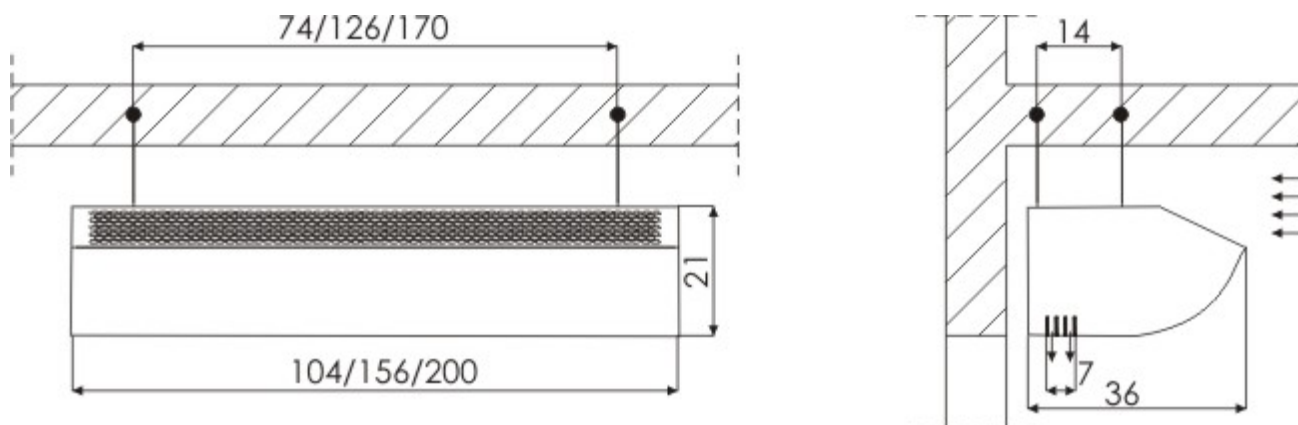
Airflow and Heating Capacity	
Air flow [m³/h]	1750
Thermal power levels [kW]	1,5 / 3 / 4,5 1 / 2 / 3*

* - single phase electric heater

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	49	46
Weight		
Weight (kg)	29	

SMART-104-Z

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250
Airflow (m³/h)	1850

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	49	46
Weight		
Weight (kg)	21	

SMART-156-W

DIMENSIONS



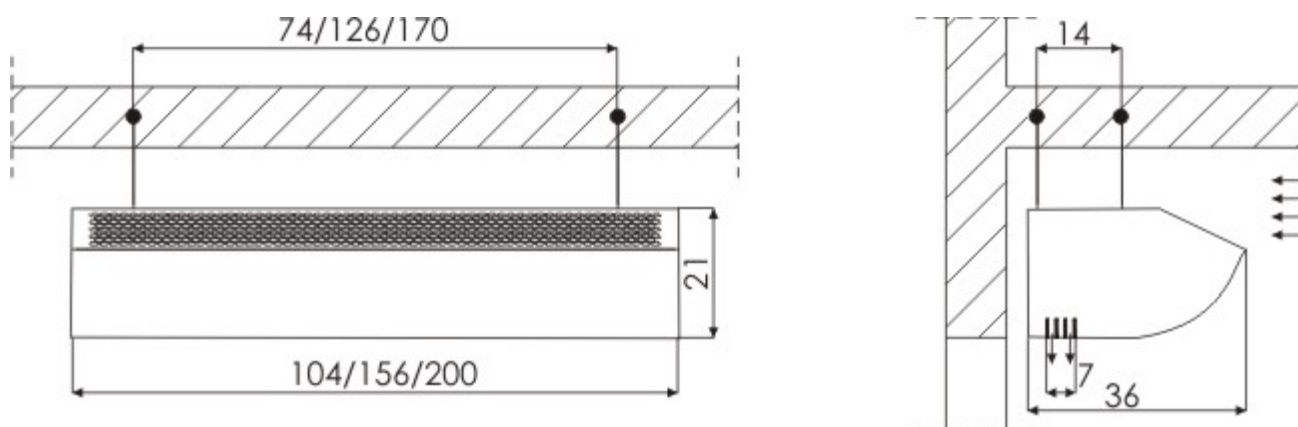
Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250

Airflow and Heating Capacity				
Airflow (m³/h)		2300		
Heating capacity (kW), discharge air temperature (°C) and water pressure drop (kPa)				
Water temperatures (°C)	Entering air temperature (°C)	kW	°C	kPa
90/70	5	19,4	29	8,6
	10	17,6	32	7,0
	15	15,9	35	5,5
	20	14,3	38	5,0
80/60	5	16,2	25	5,9
	10	14,4	28	4,5
	15	12,5	31	3,8
	20	11,3	34	3,0
70/50	5	13,0	21	3,9
	10	11,4	24	3,0
	15	9,9	27	2,3
	20	8,4	31	1,6
60/40	5	10,1	17	2,6
	10	8,5	20	1,7
	15	7,1	24	1,0
	20	5,7	27	1,0

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	48	45
Weight		
Weight (kg)	35	

SMART-156-E

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250

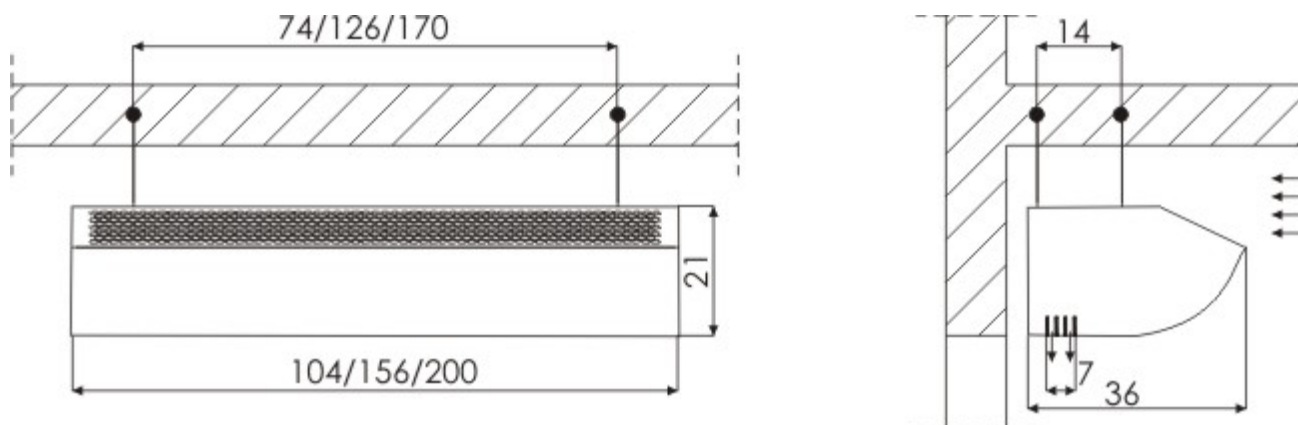
Airflow and Heating Capacity	
Air flow [m ³ /h]	2800
Thermal power levels [kW]	3 / 6 / 9

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	48	45

Curtain weight	
Weight [kg]	37

SMART-156-Z

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130
Current (A)	0,60
Fan speed (rpm)	1250
Airflow (m³/h)	3100

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	61	58
2	56	53
1	48	45
Curtain weight		
Weight [kg]	29	

SMART-200-W

DIMENSIONS



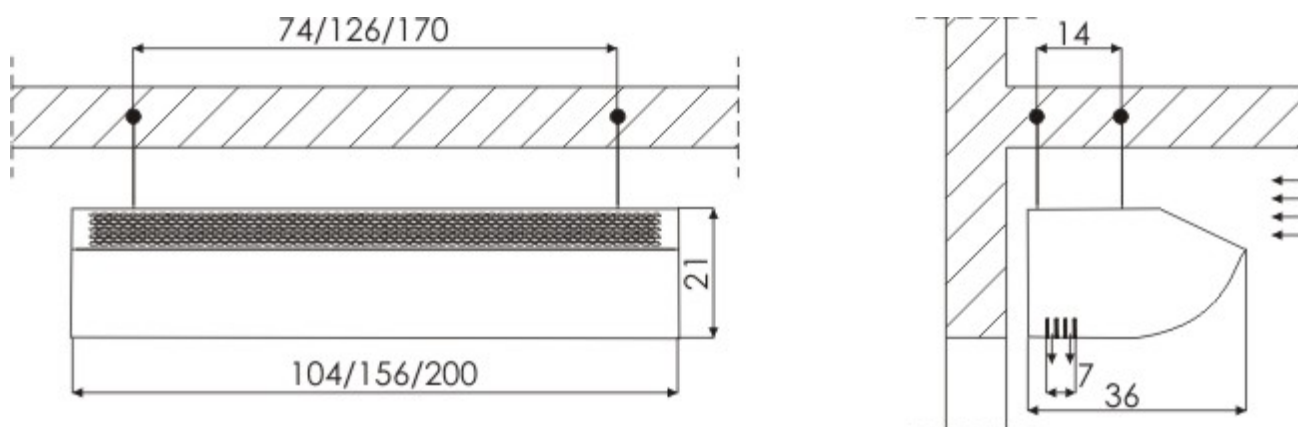
Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130×2
Current (A)	0,60×2
Fan speed (rpm)	1250

Airflow and Heating Capacity				
Air flow [m³/h]			2900	
Heating capacity (kW), discharge air temperature (°C) and water pressure drop (kPa)				
Water temperatures (°C)	Entering air temperature (°C)	kW	°C	kPa
90/70	5	23,5	27	1,7
	10	21,5	31	1,3
	15	19,4	34	1,1
	20	17,4	38	1,0
80/60	5	19,5	24	1,5
	10	17,6	27	1,1
	15	15,6	30	0,9
	20	13,8	34	0,7
70/50	5	15,7	20	1,1
	10	13,9	24	0,9
	15	12,7	27	0,7
	20	10,3	30	0,5
60/40	5	12,1	17	0,7
	10	10,4	20	0,4
	15	8,6	23	0,3
	20	7,0	27	0,2

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	62	59
2	57	54
1	51	48
Curtain weight		
Weight [kg]	44	

SMART-200-E

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130×2
Current (A)	0,60×2
Fan speed (rpm)	1250

Airflow and Heating Capacity	
Airflow (m³/h)	3620
Heating capacity stages (kW)	4 / 8 / 12

* - single phase electric heater

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	62	59
2	57	54
1	51	48
Weight		
Weight (kg)	46	

SMART-200-Z

DIMENSIONS



Fan Parameters	
Voltage (V)	230
Motor power (kW)	0,130×2
Current (A)	0,60×2
Fan speed (rpm)	1250
Airflow (m³/h)	3900

Noise Level (dB(A))		
Selected speed	At a distance of 1 m	At a distance of 3 m
3	62	59
2	57	54
1	51	48
Weight		
Weight (kg)	38	