DESCRIPTION

The AW fan heaters are used for permanent heating of warehouses, industrial premises, workshops, sports halls, shops. Due to its attractive design with simple, neat lines, the AW-series can also be installed in public premises. The AW fan heater can be supplemented with a mixing section that supplies fresh air and can also be used as a supply air unit. The AW series is available in four sizes and three models. All fan heaters are designed for a 230V~ power supply, which ensures very simple installation. The fan heaters have a low sound level and offer reliable operation. Casing is made of galvanized steel sheet, painted white. Coils have copper tubes and aluminium fans.

Models:

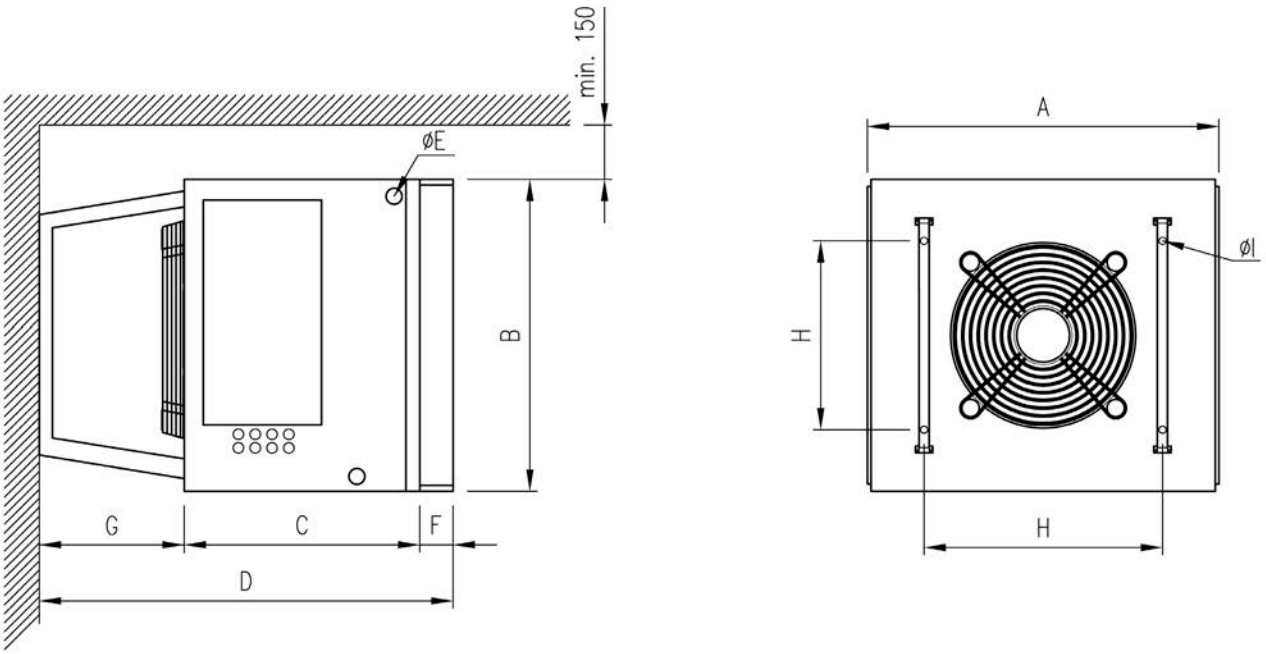
- -a – with built-in control equipment for external sensor and set point adjustment; can also be controlled by an external 0...10V control signal;
- -af – fan heater with built-in control equipment for external sensor and set point adjustment; used in cold areas (if there is risk of freezing) and if is installed with mixing section;
- -s – fan heater for external control equipment; has three fan speeds.

TECHNICAL SPECIFICATION & DIMENSIONS

Type	AW12	AW22	AW42	AW62
Power supply	230V~	230V~	230V~	230V~
Current, max. [A]	0.4	0.6	0.9	2.2
Air flow rate[1] (low/intermemediate/high speed) [m^3/h]	600/900/1200	1100/1500/2300	1900/2500/3900	3000/4500/6200
Sound level[2] (low/intermemediate/high speed) [dB(A)]	41/51/56	41/52/56	44/55/62	48/57/68
Throw[4] (high speed) [m]	4.5	7.0	9.0	14.0
Throw with AWLA[4] (high speed) [m]	6.5	10.0	12.5	19.0
Connecting pipes diameter [mm]	22	22	28	28
Max. operating water temp., AW-a, AW-af [°C]	100	100	100	100
Max. operating water temp., AW-s [°C]	150	150	150	150
Max. operating pressure (water) [bar]	10	10	10	10
Max. ambient temperature [°C]	30	30	30	30
Can be ordered in version –a	X	X	X	X
Can be ordered in version –af	-	X	X	X
Can be ordered in version –s	X	X	X	X
Weight [kg]	17	23	32	46
Degree of protection	IP44[3]	IP44[3]	IP44[3]	IP44[3]

[1]The air flow rate with mixing section and filter fitted is about 20% lower than the specified data for open outlet fans.
[2]Is measured at 5 meters from the AW.
[3]The –a model is delivered as standard with IP20 valve actuator; can be changed to IP54 valve to special order.
[4]The throw length data is valid when the inlet temperature is +40°C and the room temperature is +18°C; the throw length is defined as the distance from the fan heater to the point where the air speed has dropped to 0.2m/s.

Dimensions [mm]	A	B	C	D	ØE	F	G	H	ØI
AW12	485	430	325	570	22	46	200	260	10
AW22	560	530	350	600	22	46	200	330	10
AW42	710	655	400	740	28	70	270	420	10
AW62	855	780	445	785	28	70	270	550	10



Capacity of AW12

Water temp.		In/out 90°C/70°C				In/out 80°C/60°C				In/out 60°C/40°C			
Air flow rate [m³/h]	Air in [°C]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]
1200	-10	44.2	24.4	0.3	32.2	37.8	21.5	0.3	26.0	25.1	15.8	0.2	15.3
900	-10	49.0	19.9	0.2	22.4	42.2	17.6	0.2	18.2	28.3	12.9	0.2	10.8
600	-10	55.5	14.7	0.2	13.2	48.0	13.1	0.2	10.7	32.7	9.6	0.1	6.4
1200	0	48.7	21.1	0.3	25.0	42.3	18.4	0.2	19.6	29.3	12.7	0.2	10.5
900	0	53.1	17.3	0.2	17.4	46.1	15.0	0.2	13.7	32.0	10.4	0.1	7.4
600	0	59.0	12.8	0.2	10.2	51.3	11.1	0.1	8.1	35.8	7.8	0.1	4.4
1200	+15	55.3	16.5	0.2	16.2	48.7	13.8	0.2	11.9	35.2	8.3	0.1	5.0
900	+15	58.8	13.5	0.2	11.3	51.7	11.3	0.1	8.3	37.1	6.8	0.1	3.5
600	+15	63.7	10.0	0.1	6.6	55.9	8.4	0.1	4.9	39.7	5.1	0.1	2.1

Capacity of AW22

Water temp.		In/out 90°C/70°C				In/out 80°C/60°C				In/out 60°C/40°C			
Air flow rate [m³/h]	Air in [°C]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]
2300	-10	40.0	43.2	0.5	31.0	34.1	38.1	0.5	25.0	22.2	27.8	0.3	14.5
1500	-10	47.3	32.2	0.4	18.3	40.6	28.4	0.3	14.8	27.0	20.8	0.3	8.7
1100	-10	52.3	25.7	0.3	12.2	45.1	22.7	0.3	9.9	30.5	16.7	0.2	5.9
2300	0	45.0	37.4	0.5	24.0	39.1	32.4	0.4	18.7	26.9	22.3	0.3	9.8
1500	0	51.5	27.9	0.3	14.2	44.7	24.2	0.3	11.1	30.9	16.8	0.2	5.9
1100	0	56.1	22.3	0.3	9.5	48.8	19.4	0.2	7.4	33.8	13.4	0.2	4.0
2300	+15	52.2	29.3	0.4	15.4	46.0	24.4	0.3	11.2	33.4	14.5	0.2	4.6
1500	+15	57.5	21.8	0.3	9.1	50.6	18.3	0.2	6.7	36.2	10.9	0.1	2.8
1100	+15	61.3	17.4	0.2	6.1	53.8	14.6	0.2	4.5	38.2	8.8	0.1	1.9

Capacity of AW42

Water temp.		In/out 90°C/70°C				In/out 80°C/60°C				In/out 60°C/40°C			
Air flow rate [m³/h]	Air in [°C]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]
3900	-10	38.5	71.0	0.9	38.0	32.9	62.7	0.8	30.7	21.3	45.8	0.6	18.0
2500	-10	46.1	52.6	0.6	22.2	39.6	46.5	0.6	18.0	26.4	34.1	0.4	10.7
1900	-10	50.7	43.2	0.5	15.6	43.7	38.2	0.5	12.7	29.4	28.1	0.3	7.6
3900	0	43.7	61.6	0.8	29.5	37.9	53.4	0.7	23.1	26.2	36.9	0.4	12.2
2500	0	50.5	45.6	0.6	17.2	43.9	39.6	0.5	13.5	30.4	27.5	0.3	7.3
1900	0	54.6	37.5	0.5	12.1	47.5	32.6	0.4	9.6	33.0	22.7	0.3	5.2
3900	+15	51.1	48.2	0.6	19.0	45.1	40.3	0.5	13.9	33.0	24.0	0.3	5.7
2500	+15	56.7	25.7	0.4	11.1	49.9	29.9	0.4	8.2	36.0	18.0	0.2	3.4
1900	+15	60.1	29.3	0.4	7.8	52.8	24.6	0.3	5.8	37.8	14.8	0.2	2.5

Capacity of AW62

Water temp.		In/out 90°C/70°C				In/out 80°C/60°C				In/out 60°C/40°C			
Air flow rate [m³/h]	Air in [°C]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]	Air out [°C]	Output [kW]	Flow water [l/s]	Pressure drop, water [kPa]
6200	-10	36.6	108.4	1.3	43.2	31.2	95.7	1.2	34.8	20.1	69.9	0.8	20.2
4500	-10	42.1	87.9	1.1	29.5	36.0	77.6	1.0	23.8	23.7	56.9	0.7	13.9
3000	-10	48.9	66.3	0.8	17.7	42.1	58.6	0.7	14.3	28.3	43.0	0.5	8.4
6200	0	42.0	94.1	1.2	33.4	36.4	81.6	1.0	26.0	25.1	56.2	0.7	13.7
4500	0	46.9	76.2	0.9	22.8	40.7	66.2	0.8	17.8	28.2	45.8	0.6	9.4
3000	0	53.1	57.5	0.7	13.7	46.1	50.0	0.6	10.7	32.0	34.7	0.4	5.7
6200	+15	46.7	73.6	0.9	21.4	43.9	61.4	0.8	15.6	32.2	36.6	0.4	6.3
4500	+15	53.7	59.7	0.7	14.6	47.4	49.9	0.6	10.7	34.4	29.9	0.4	4.4
3000	+15	58.8	45.0	0.6	8.8	51.7	37.7	0.5	6.5	37.1	22.7	0.3	2.7