

AEROCLIMA STYLE

Hot/cold hydronic wall-mounted air heaters



Aeroclima STYLE 10 - 15
with standard 3-speed basic control

Technical and construction characteristics

The AEROCLIMA STYLE unit heater consists of a heat exchange unit between the fluid circulating inside the exchanger (hot or chilled water) and the air flow exerted by a fan unit.

The AEROCLIMA STYLE unit heater is made up of a 4-row coil and built-in condensation tray to produce not only heating but also cooling. The ambient air is sucked in by the fans and pushed through the heat exchanger which releases heat from the air itself in winter or removes heat in summer. In the summer cycle, according to the thermo-hygrometric conditions of the ambient air, condensation of water vapor is also formed which is collected in the appropriate basin and evacuated outside. The treated air is introduced into the environment through the horizontal fin grille, which can be manually adjusted.

The covering mantle is made of steel sheet painted with polyester powders, to guarantee long life over time and the fins can be manually adjusted.

At the rear there are, depending on the model, one or two axial-type convection fans with accident prevention grilles.

The fan motors are single-phase with external rotor, set up for different operating speeds, via a special autotransformer.

The units are designed for use in 2-pipe systems, with hydraulic connections located on the left, looking at the appliance from the front.

The heat exchange battery is made with copper tubes and aluminum fins blocked by mechanical expansion of the tubes. The connections to the electrical panel, housed in a special waterproof box, are found on the right side of the appliance. Both types of connection, hydraulic and electrical, are also accessible from the side, after removing the respective shaped panels.

The appliance is supplied as standard complete with a wall fixing bracket made of metal tube, with an exclusive mounting system designed to simplify installation, as well as allowing optimal positioning of the appliance itself. The optimal combination of air heater/heat pump A2B Accorroni E.G. offers maximum versatility of use with the highest possible energy efficiency. Single phase power supply.



MADE
IN ITALY



MULTI-SPEED
VENTILATION



PDC
AEROTERMO
OPTIMAL
COMBINATION



CONDITIONING



HEATING

Model	Cooling power kW	Thermal power* kW	Thermal power** kW	Code	€
AEROCLIMA STYLE 10	10,20	24,60	14,90	30400001	2.080,00
AEROCLIMA STYLE 15	17,40	42,50	25,80	30410001	2.670,00

*Inlet water heat output 70 °C - (ΔT 10°C) room air temperature. 20°C

** Inlet water heat output 50 °C - (ΔT 5°C) room air temperature. 20°C

Accessories AEROCLIMA STYLE



Wall-mounted electronic room thermostat
with summer-off-winter selector and 3-speed switch (with
valve control complete with 4m cable)

50005230 **82,00**



Mechanical consensus thermostat for
wall-mounted electronic room thermostat or basic control

36205214 **36,00**



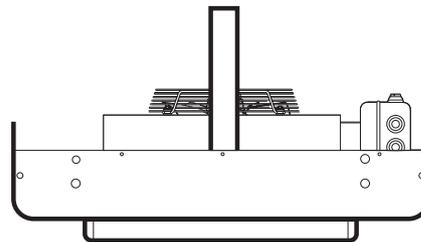
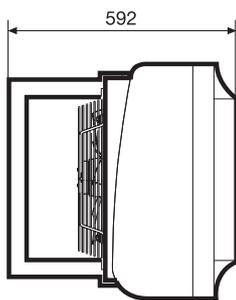
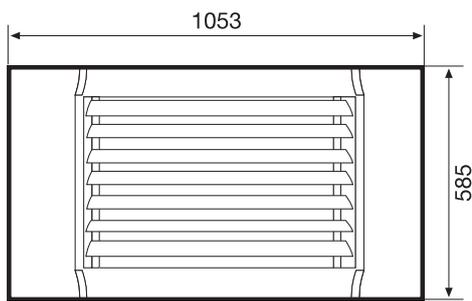
3-way valve
with ON/OFF actuator

36205404 **180,00**

AEROCLIMA STYLE

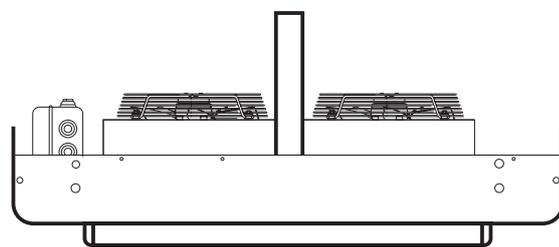
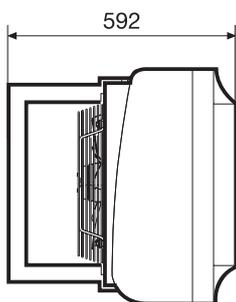
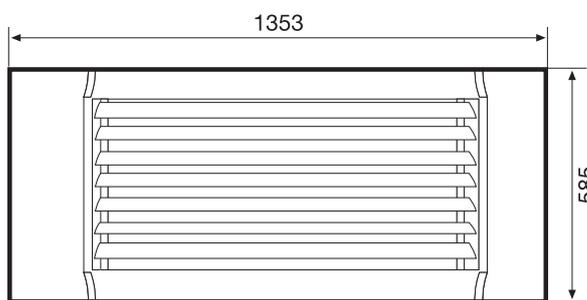
Hot/cold hydronic wall-mounted air heaters

Dimensions aeroterma AEROCLIMA STYLE 10



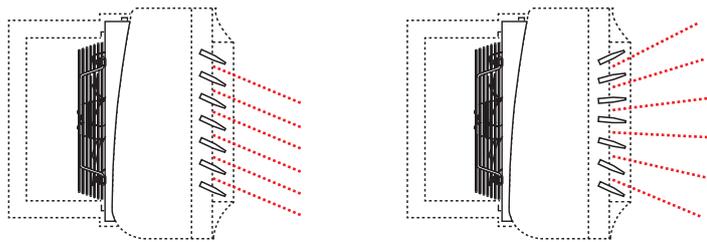
Values in mm

Dimensions aeroterma AEROCLIMA STYLE 15

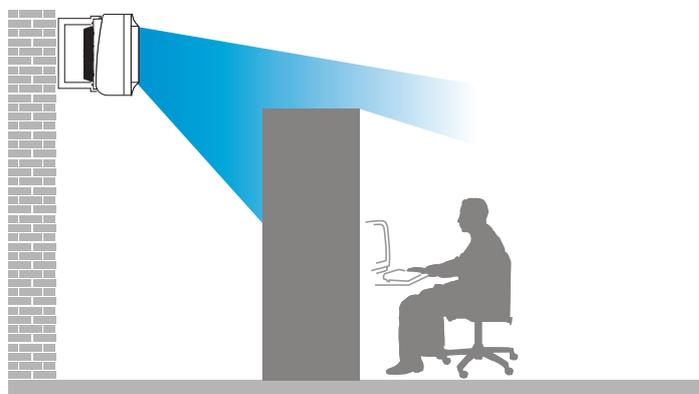


Values in mm

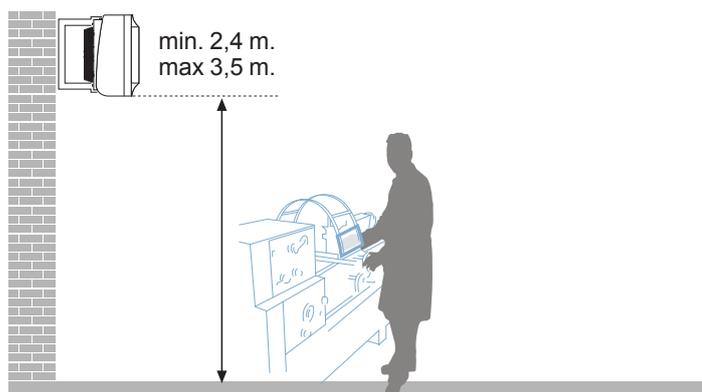
Possible orientations of the fins



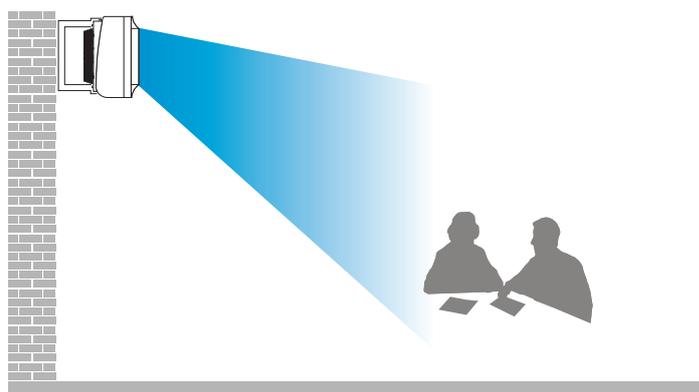
Incorrect air flow



Installation height



Optimal air flow



AEROCLIMA STYLE

Hot/cold hydronic wall-mounted air heaters

Technical data table AEROCLIMA STYLE 10 - 15

DESCRIPTION	U.M.		STYLE 10	STYLE 15
Inlet water heat output 70°C (ΔT 10°C) ambient air temperature 20°C	kW	max	24,60	42,50
		med	22,80	32,40
		min	19,60	26,70
Water flow rate	l/h		2116	3655
Pressure drops	kPa		12,3	14,1
Hydraulic circuit volume	l		4,0	6,0
Air side temperature difference	°C	max	33,5	31,5
		med	34,1	34,9
		min	35,9	37,2
Inlet water thermal power 50°C (ΔT 5°C) ambient air temperature 20°C	kW	max	14,90	25,80
		med	13,80	19,60
		min	11,90	16,20
Water flow rate	l/h		2563	4438
Pressure drops	kPa		16,2	21,4
Air side temperature difference	°C	max	20,3	19,1
		med	20,7	21,1
		min	21,8	22,6
Total cooling capacity inlet water 7°C (DT 5°C) d.b. air temperature 27°C, b.W. 19°C (47% R.H.)	kW	max	10,20	17,40
		med	9,60	13,90
		min	8,48	11,80
Cooling capacity Sensitive inlet water 7°C (DT 5°C) d.b. air temperature 27°C, b.W. 19°C (47% R.H.)	kW	max	8,39	14,50
		med	7,78	11,10
		min	6,72	9,20
Water flow	l/h		1754	2993
Pressure drop	kPa		9,2	11,4
Air flow	m ³ /h	max	2180	4000
		med	1980	2750
		min	1620	2130
Auxiliary speeds (*)	n. / (m ³ /h)		15 / (450÷2200)	15 / (1080÷4600)
Number of fans	n.		1	2
Sound pressure (5 meters in free field with directionality factor =2)	dB(A)	max	49,5	49,6
		med	47,8	42,3
		min	45,6	37,7
Sound power	dB(A)	max	71,5	71,6
		med	69,8	64,3
		min	67,6	59,7
Auxiliary speed sound pressure min-max (**)	dB(A)		32,0÷56,3	34,8÷65,3
Power supply			230V/1/50Hz	
Launch	m	vel. max	20	22
		vel. min	14	15
Electrical power absorbed	W	max	115	220
		med	105	200
		min	85	180
Max current absorbed	A		0,63	1,20
Degree of protection for fan(s).			IP44	
Degree of protection of the device			IP24	
OPERATING LIMITS				
Inlet water temperature min÷max	°C		3÷80	
Pressure max	kPa		800	
Inlet air temperature max	°C		45	
Weight	Kg		44	59

(*) Selectable ventilation speeds in addition to the standard ones

(**) Sound pressure level at 1 meter, in free field with directionality factor 2, in the minimum and maximum value of the auxiliary speeds available.