

AEROCLIMA STYLE

Horizontal Wall unit for heating and cooling



STYLE 10 - 15

with basic 3-speed control as standard



MADE
IN ITALY



VENTILATION
MORE SPEED



PDC
AEROTERMO
PAIRING
OPTIMAL



CONDITIONING



HEATING

Technical and construction features

The AEROCLIMA STYLE unit heater consists of a heat exchange group 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 composed of a 4-row coil and built-in condensate 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 yields in the winter or removes heat from the air itself in the summer. In addition, in the summer cycle, according to the thermo-hygrometric conditions of the ambient air, water vapor condensation is formed which is collected in the special basin and evacuated to the outside.

The treated air is introduced into the environment through the grille with horizontal fins, in extruded aluminum, which can be adjusted manually.

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

In the rear there are, depending on the model, one or two axial convection fans with safety grille.

The fan motors are single-phase with external rotor, designed for different operating speeds, by means of a special autotransformer.

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

The heat exchange coil is made with copper pipes and aluminum fins blocked by mechanical expansion of the pipes.

The connections to the electrical panel, housed in a special watertight box, are located on the right side of the device.

Both types of connection, hydraulic and electrical, are also accessible from the side, after removing the respective shaped panels.

The device 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 to allow the optimal positioning of the device itself.

The optimal coupling Air heater / heat pump A2B Accorroni E.G. offers maximum versatility of use with the highest possible energy efficiency. Single-phase power supply.

Model	Cooling Output kW	Heating Output* kW	Heating Output** kW	Code	€
AEROCLIMA STYLE 10	10,20	24,60	14,90	30400001	1.900,00
AEROCLIMA STYLE 15	17,40	42,50	25,80	30410001	2.440,00

* heating power for intake water $T=70\text{ }^{\circ}\text{C}$

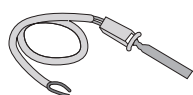
** heating power for intake water $T=50\text{ }^{\circ}\text{C}$

Accessories AEROCLIMA STYLE



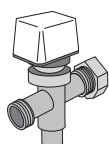
Remote control
whit thermostat
switch off summer/winter and
3 speeds selector

50005230 82,00



Fan control thermostat

30402004 36,00



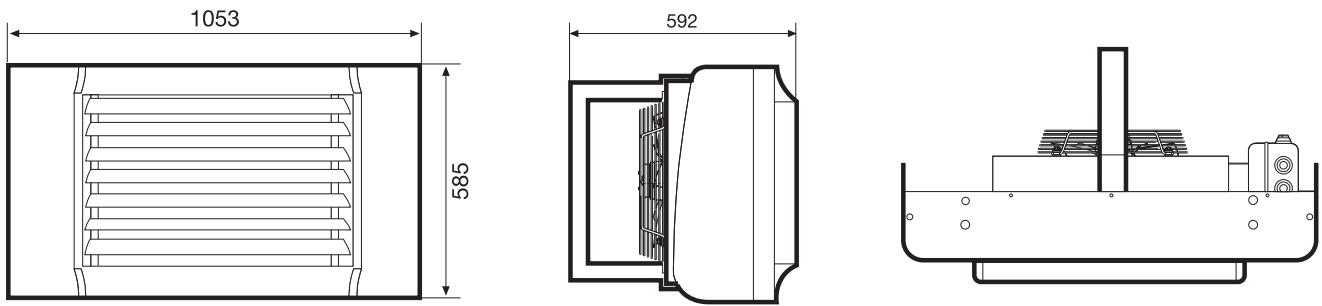
Kit 3-ways valve including
ON/OFF actuator
pipes and couplings

36205404 180,00

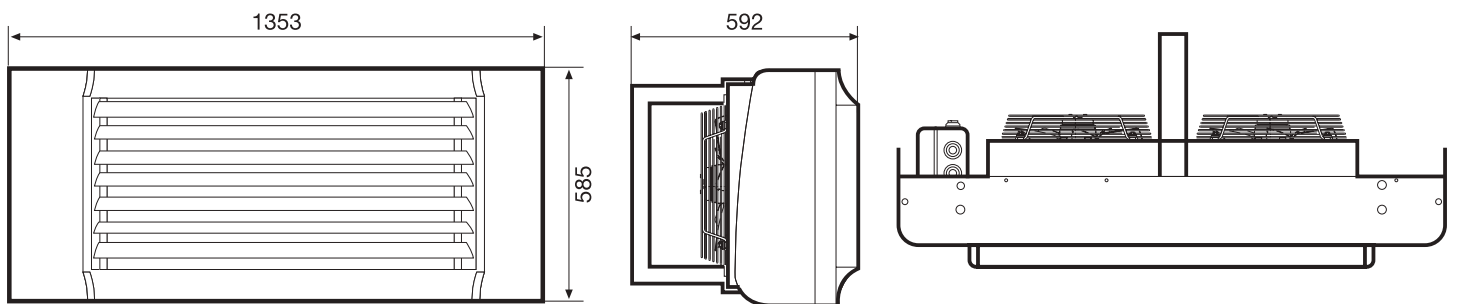
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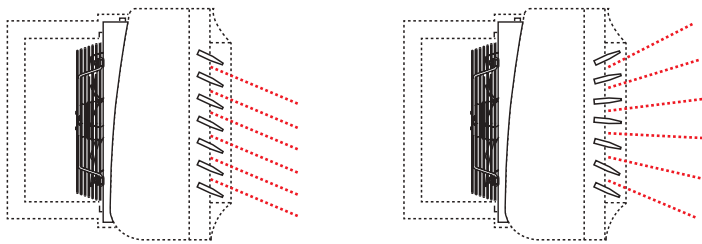
Dimensions aerotermino Aeroclima STYLE 10



Dimensions aerotermino Aeroclima STYLE 15



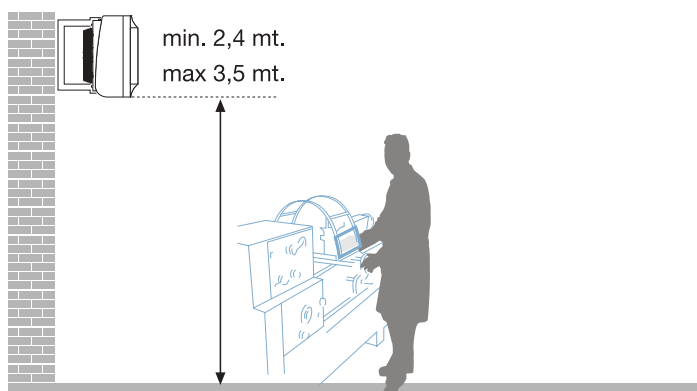
Possible fins orientation



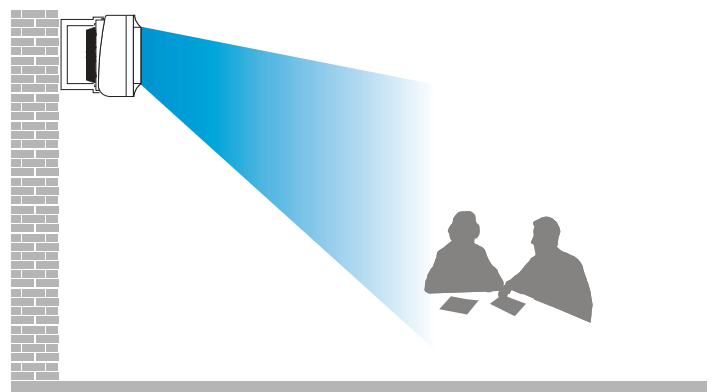
Wrong air flow direction



Installation's height



Optimal air flow direction



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Technical datasheet AEROCLIMA STYLE 10 - 15

DESCRIPTION	U.M.		STYLE 10	STYLE 15
Heating output - water inlet $\Delta T = 70\text{ }^{\circ}\text{C}$ ($\Delta T 10\text{ }^{\circ}\text{C}$) Room temperature $\Delta T = 20\text{ }^{\circ}\text{C}$	kW	max	24,60	42,50
		med	22,80	32,40
		min	19,60	26,70
Water flow rate	l/h		2116	3655
Water pressure drop	kPa		12,3	14,1
Hydraulic circuit's volume	l		4,0	6,0
Air temperature rise	$^{\circ}\text{C}$	max	33,5	31,5
		med	34,1	34,9
		min	35,9	37,2
Heating output - water inlet $\Delta T = 50\text{ }^{\circ}\text{C}$ ($\Delta T 5\text{ }^{\circ}\text{C}$) Room temperature $\Delta T = 20\text{ }^{\circ}\text{C}$	kW	max	14,90	25,80
		med	13,80	19,60
		min	11,90	16,20
Water flow rate	l/h		2563	4438
Water pressure drop	kPa		16,2	21,4
Air temperature rise	$^{\circ}\text{C}$	max	20,3	19,1
		med	20,7	21,1
		min	21,8	22,6
Cooling output Water inlet $\Delta T = 7\text{ }^{\circ}\text{C}$ ($\Delta T 5\text{ }^{\circ}\text{C}$) Room temperature d.b. $27\text{ }^{\circ}\text{C}$, w.b. $19\text{ }^{\circ}\text{C}$ (47% R.H.)	kW	max	10,20	17,40
		med	9,60	13,90
		min	8,48	11,80
Sensitive cooling capacity Water inlet $\Delta T = 7\text{ }^{\circ}\text{C}$ ($\Delta T 5\text{ }^{\circ}\text{C}$) Room temperature d.b. $27\text{ }^{\circ}\text{C}$, w.b. $19\text{ }^{\circ}\text{C}$ (47% R.H.)	kW	max	8,39	14,50
		med	7,78	11,10
		min	6,72	9,20
Water flow rate	l/h		1754	2993
Water pressure drop	kPa		9,2	11,4
Air flow rate	m^3/h	max	2180	4000
		med	1980	2750
		min	1620	2130
Auxiliary fan speeds (*)	n. / (m^3/h)		15/(450÷2200)	15/(1080÷4600)
Fans number	n.		1	2
Sound pressure level (5 m. in open field, direction factor = 2)	dB(A)	max	49,5	49,6
		med	47,8	42,3
		min	45,6	37,7
Sound power level	dB(A)	max	71,5	71,6
		med	69,8	64,3
		min	67,6	59,7
Sound pressure auxiliary speeds (**)	dB(A)		32,0÷56,3	34,8÷65,3
Power supply			230V/1/50Hz	
Launching	m	vel. max	20	22
		vel. min	14	15
Electrical power input	W	max	115	220
		med	105	200
		min	85	180
Max absorbed current	A		0,63	1,20
Fan/s IP code			IP44	
Unit IP code			IP24	
Functional limits				
Water inlet temperature min÷max	$^{\circ}\text{C}$		3÷80	
Max pressure	kPa		800	
Air inlet temperature max	$^{\circ}\text{C}$		45	
Net weight	kg		44	59

(*) Additional fan speed selectable

(**) Sound pressure level calculated, for all speeds, at 1 m, in open field with and direction factor = 2, in the value of min. and max. of the speeds available.