

LC

Hot-only hydronic wall-mounted air heaters



Fan Coil LC 28



Fan Coil LC 40



MADE
IN ITALY



SILENT
VENTILATION



HEATING
ONLY



EASY
INSTALLATION

Technical and construction characteristics

The new LC water air heater has been designed for heating industrial, artisanal, commercial, sports and tertiary environments. This new system terminal consists of a 2-row coil and a single-speed axial fan for the LC 28 version and two single-speed axial fans for the LC 40 version. The main components of the LC unit heater are:

- Pre-painted steel sheet structure complete with fins

- adjustable deflectors placed on the delivery in such a way as to obtain correct distribution of the flow of hot air in the room to be air conditioned;

- 2-row heat exchange coil made of tube copper and aluminum fins with high thermal conductivity;
- Axial fans with balanced blades inserted in a special case mouthpiece which enhances performance and reduces noise to a minimum, complete with painted steel safety grille.

The main features of the LC unit heater are:

- Low noise with external rotor fan motor;
- Compact size;
- Support shelves supplied as an accessory;
- Special compartment for electrical connections inserted on board;
- Single phase power supply.

Model	Thermal power kW	Air flow m ³ /h	Code	€
LC 28 aerotermino only heating	28,1	2250	30401020	1.250,00
LC 40 aerotermino only heating	42,4	4300	30401030	1.950,00

Accessories LC 28 - LC 40



On/off room thermostat with display

75100007

80,00



3-way valve
with ON/OFF actuator

36205404

180,00



Thermostat
of mechanical consent

36205214

36,00



Support shelf for wall
installation

30240090

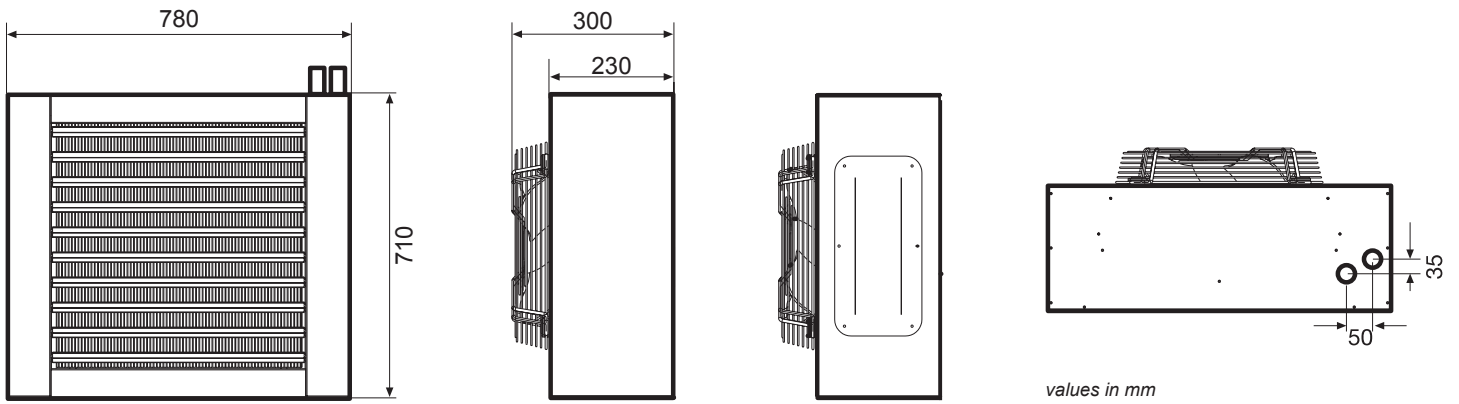
110,00

LC

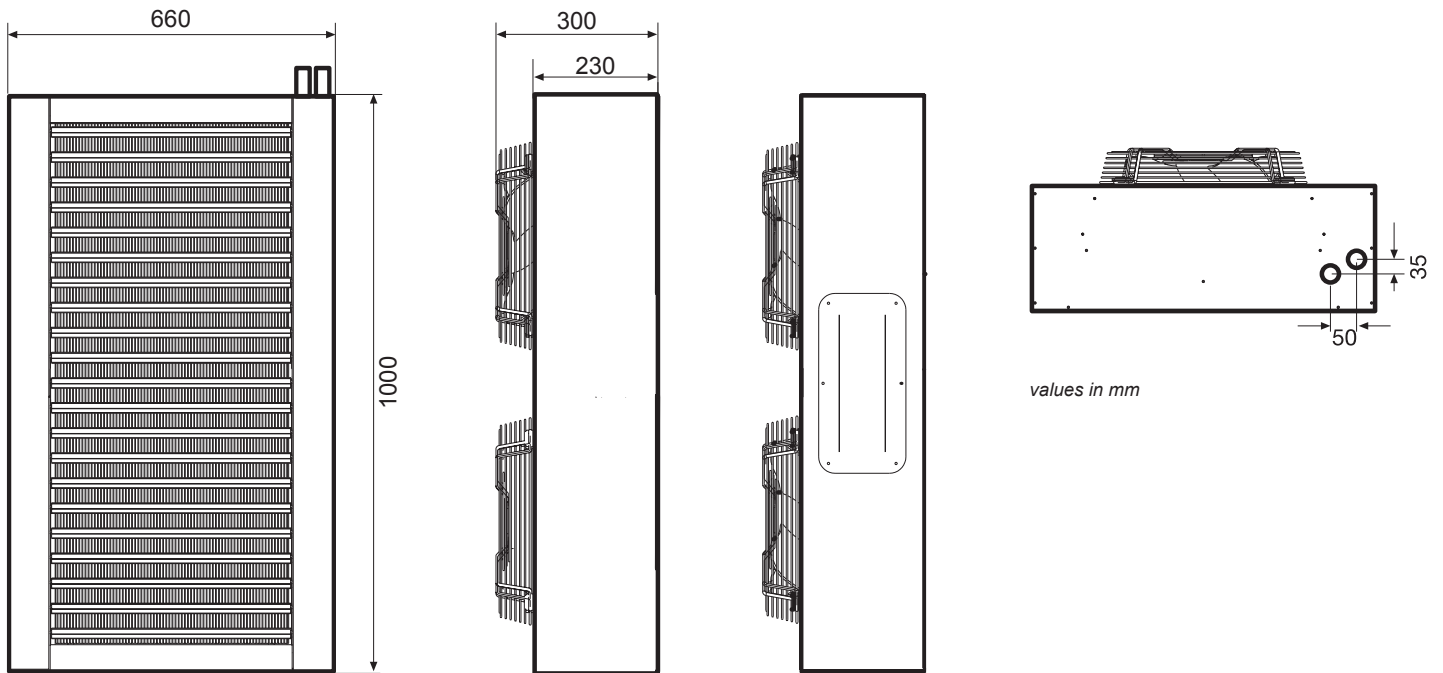
Hot-only hydronic wall-mounted air heaters

Dimensions LC

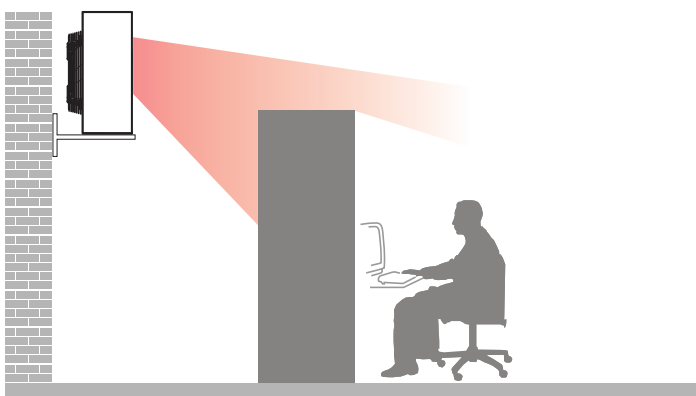
Aerotermino LC 28



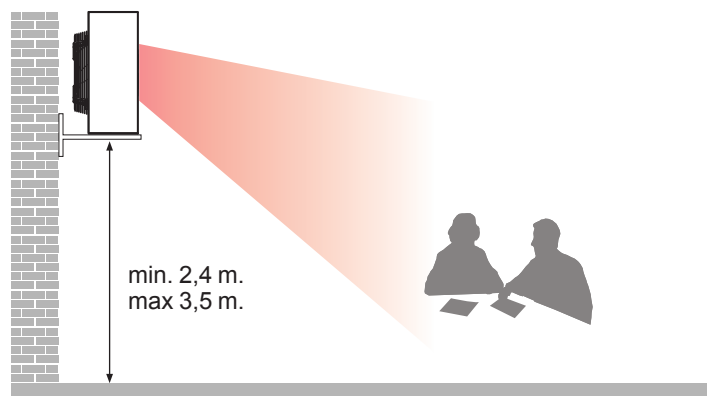
Aerotermino LC 40



Incorrect air flow



Optimal air flow



LC 28 - Table 1 - heating yields ΔT 5 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		2250			
Water inlet	45 °C	13,79	17,09	20,50	24,04
	50 °C	17,00	20,40	23,82	27,36
	55 °C	20,32	23,62	27,14	30,68

LC 28 - Table 2 - heating yields ΔT 10 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		2250			
Water inlet	60 °C	21,58	25,01	28,53	32,17
	65 °C	24,89	28,32	31,84	35,48
	70 °C	28,10	31,64	35,28	38,92
	80 °C	34,68	43,08	41,89	45,65

LC 28 - Table 3 - heating yields ΔT 15 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		2250			
Water inlet	60 °C	29,65	34,80	39,96	45,50
	65 °C	34,65	39,80	45,14	50,66
	70 °C	39,65	44,98	50,32	55,84
	80 °C	49,64	54,98	60,47	66,17

LC 28 - Table 3 - heating yields ΔT 20 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		2250			
Water inlet	60 °C	32,91	38,97	45,15	51,87
	65 °C	38,46	44,58	51,00	57,75
	70 °C	44,01	50,37	56,86	63,65
	80 °C	55,10	61,57	68,33	75,43

LC 40 - Table 4 - heating yields ΔT 5 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		4300			
Water inlet	45 °C	20,81	25,78	30,94	36,28
	50 °C	25,66	30,79	35,94	41,28
	55 °C	30,66	35,63	40,95	46,29

LC 40 - Table 5 - heating yields ΔT 10 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		4300			
Water inlet	60 °C	32,56	37,74	43,05	48,54
	65 °C	37,56	42,74	48,05	53,54
	70 °C	42,40	47,74	53,23	58,73
	80 °C	52,32	65,01	63,20	68,88

LC 40 - Table 6 - heating yields ΔT 15 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		4300			
Water inlet	60 °C	43,88	51,50	57,54	67,34
	65 °C	51,28	58,92	66,80	72,95
	70 °C	58,62	64,72	70,44	78,17
	80 °C	69,08	76,44	81,63	89,32

LC 40 - Table 6 - heating yields ΔT 20 °C

DESCRIPTION		Thermal flow (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m ³ /h		4300			
Water inlet	60 °C	48,04	56,89	65,01	73,65
	65 °C	56,15	64,64	73,44	82,01
	70 °C	64,25	73,03	81,87	90,38
	80 °C	80,44	89,27	98,39	105,60

Technical data table LC 28 - LC 40

DESCRIPTION	U.M.	LC 28	LC 40
Thermal power (1)	kW	28,1	42,4
Thermal power (2)	kW	17,0	25,66
Air flow	m ³ /h	2250	4300
Water flow	l/h	2420	3640
Pressure drop	kPa	12,6	21,4
Number fan		1	2
Number speed		1	
Diameter fan	mm	350	350 x 2
Number of revolutions per minute	n.	1300	1300 x 2
Launch	m	16	20
Sound pressure	dB(A)	52	65
Hydraulic connections		1"	
Power supply		230V/1/50Hz	
Electrical absorption	W	90	180
Max inlet water temperature	°C	80	
Max inlet air temperature	°C	50	
Max working pressure	kPa	800	
Degree of protection		IP 24	
Weight	Kg	38	63

(1) Winter heating: Ambient air temperature 20 °C - Inlet water temperature 70 °C, ΔT 10 °C

(2) Winter heating: Ambient air temperature 20 °C - Inlet water temperature 50 °C, ΔT 5 °C