

LC

Hot only hydronic suspended unit heaters



LC 28



LC 40

Technical and construction features

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 air heater are:

- Pre-painted steel sheet structure complete with fins adjustable deflectors placed on the delivery in such a way as to obtain a correct distribution of the flow of hot air in the environment to be conditioned
- 2-row heat exchange coil made of copper and aluminum fins with high thermal conductivity
- Axial fans with balanced blades inserted in a suitable mouthpiece that enhances its performance and reduces noise to a minimum, complete with safety grille in painted steel

The main features of the LC air heater are:

- Low noise with external rotor fan motor - Compact size
- Reversibility of hydraulic connections
- Can also be mounted on the ceiling with a special kit



MADE IN ITALY



SILENT VENTILATION



BATTERY REVERSIBLE



ONLY HEATING



INSTALLATION EASY

installation supplied as an accessory

- Support brackets supplied as an accessory
- Special compartment for electrical connections inserted on board
- Single-phase power supply

Model	Thermal power kW	Air flow ³ /h	Code	€
LC 28 hot only air heater	28,1	2250	30401020	1.150,00
LC 40 hot only air heater	42,4	4300	30401030	1.780,00

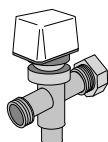
Accessories LC 28 - LC 40



On / off room thermostat with display

75100007

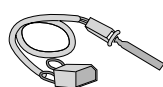
80,00



3-way valve with ON / OFF actuator

36205404

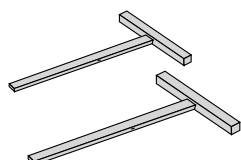
180,00



Thermostat of mechanical consent

36205214

36,00



Support shelf for wall installation

30240090

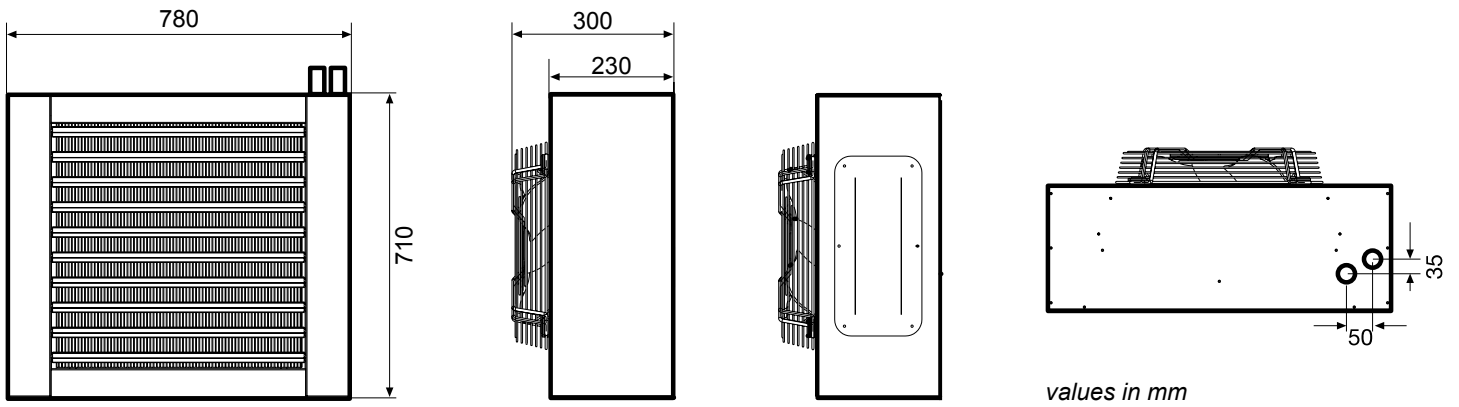
110,00

LC

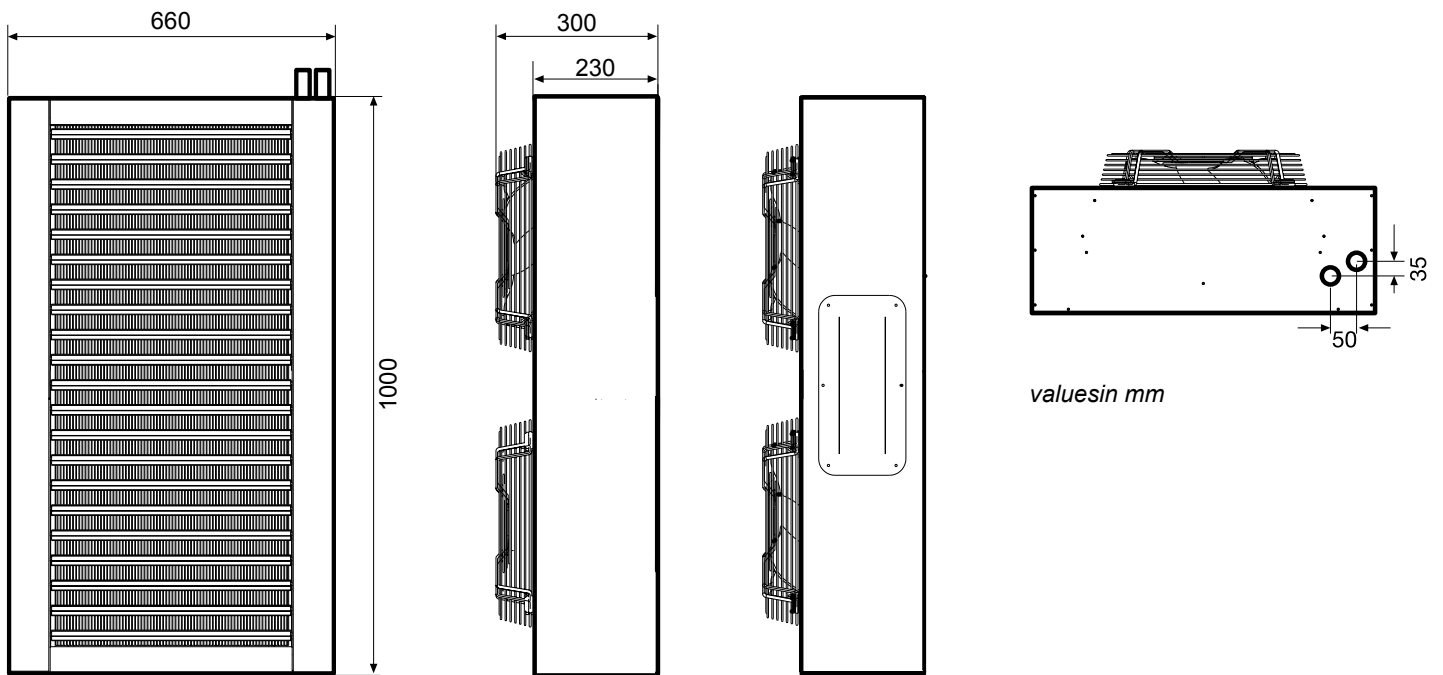
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Dimensions LC

LC 28



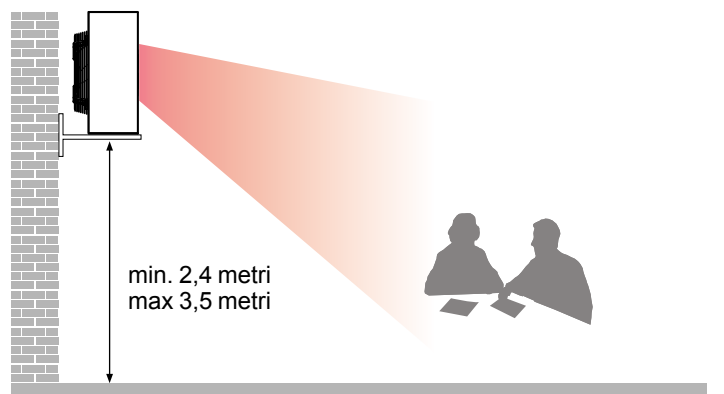
LC 40



Incorrect air flow



Optimal air flow



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

DESCRIPTION		Thermal capacity (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 capacity (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 - Tabella 3 - heating yields ΔT 15 °C

DESCRIPTION		Thermal capacity (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 - Tabella 3 - heating yields ΔT 20 °C

DESCRIPTION		Thermal capacity (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 capacity (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 capacity (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 - Tabella 6 - heating yields ΔT 15 °C

DESCRIPTION		Thermal capacity (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 - Tabella 6 - heating yields ΔT 20 °C

DESCRIPTION		Thermal capacity (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

Air heaters 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
Load losses	kPa	12,6	21,4
Number of fans		1	2
Speed number		1	
Fan diameter	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	
Electric 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