

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



MADE IN ITALY



SILENT VENTILATION



BATTERY REVERSIBLE



ONLY HEATING



INSTALLATION EASY

Model	Thermal power kW	Air flowm <sup>3</sup> /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

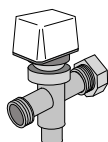
### Accessories LC 28 - LC 40



On / off room thermostat with display

75100007

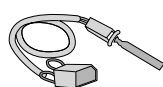
80,00



3-way valve with ON / OFF actuator

36205404

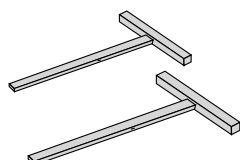
180,00



Thermostat of mechanical consent

36205214

36,00



Support shelf for wall installation

30240090

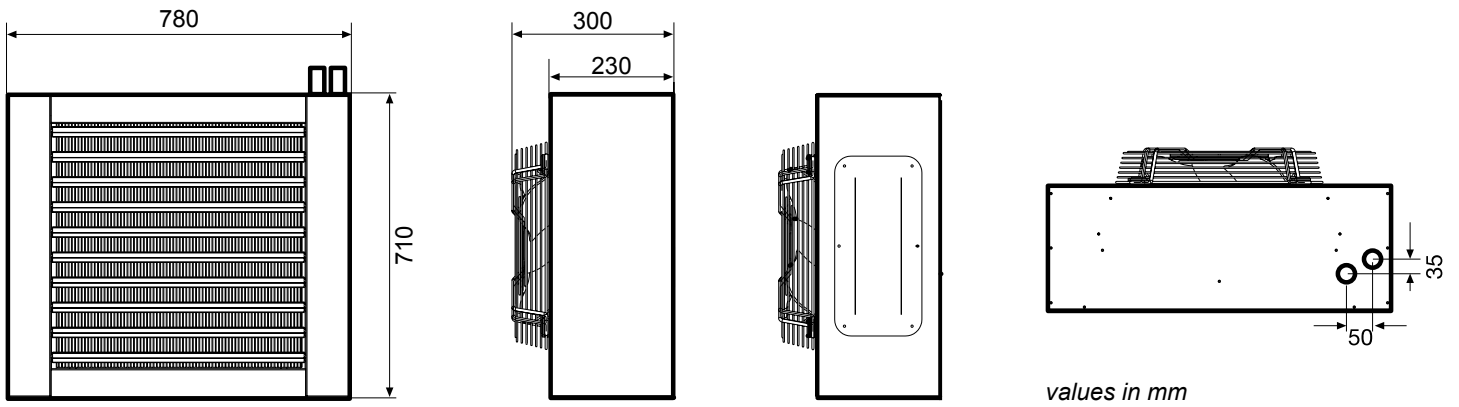
110,00

# LC

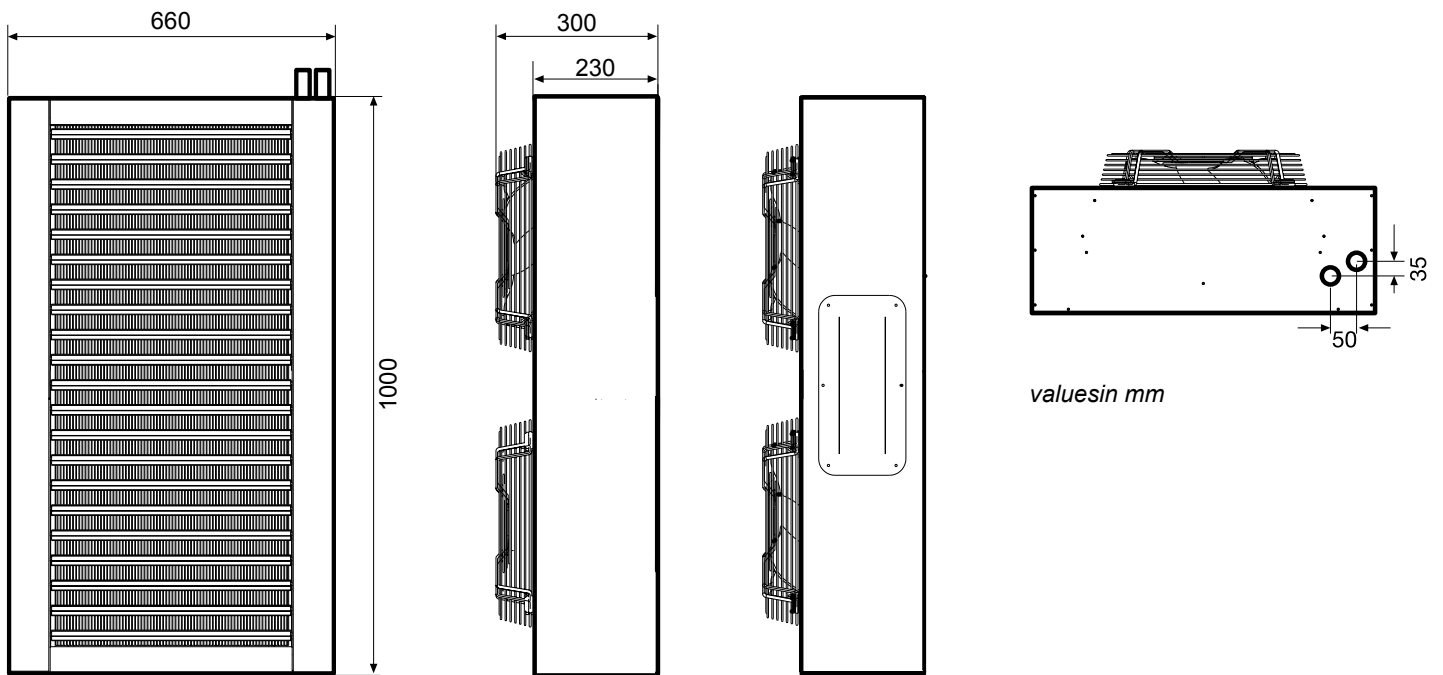
Hot only hydronic suspended unit heaters

## Dimensions LC

LC 28



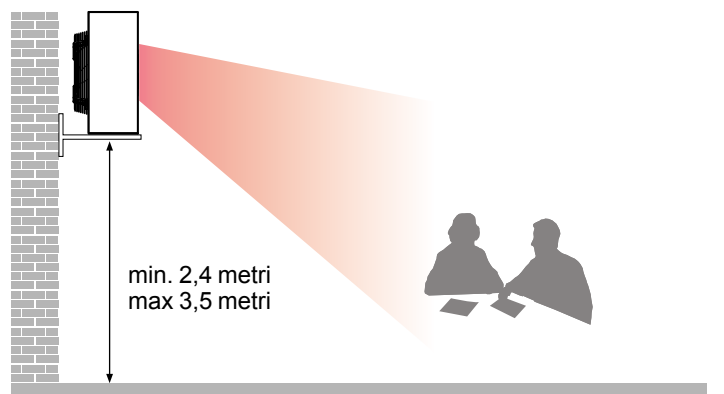
LC 40



## Incorrect air flow



## Optimal air flow



**LC 28 - Table 1 - heating yields  $\Delta T$  5 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  10 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  15 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  20 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  5 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  10 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  15 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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  $\Delta T$  20 °C**

DESCRIPTION		Thermal capacity (kW) variable temp. air to d.b. (°C)			
Inlet air temp °C		20	15	10	5
Air flow m <sup>3</sup> /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 <sup>3</sup> /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,  $\Delta T$  10 °C (2) Winter heating: Ambient air temperature 20 °C - Inlet water temperature 50 °C,  $\Delta T$  5 °C