SYSTEMA
HEATING COOLING GREEN ENERGY

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OHA 18 » 36

Industrial heating of small, medium and large environments.

» **4 MODELS:**

4 lenghts: 18, 24, 30 and 36 meters

4 powers: 54, 72, 90 and 100 kW

» **HIGH EFFICIENCY:**

Burner efficiency up to 94.6%

Radiant circuit emissions 3kw/m

» **COMPACT AND EASY TO INSTALL:**

It can also be installed completely indoor*

Lighter, lower load on the building structure

Small size, it can be installed in smaller spaces

» **INSTALLABLE AT GREAT HEIGHTS**

New Combustion Unit and New Radiant Circuit

Stainless steel combustion chamber, 10 years guaranteed

NEW!!

TECHNICAL FEATURES

Patented and EC certified suspended gas thermal unit for external installation, featuring:

» High-efficiency burner equipped with a combustion head with pure gas jet in turbulent flow regime and without premixing with afterburning by means of additional injectors

» Partial flue gas recirculation fan piloted by inverter with integrated motor overload protection

» OHA Standard electrical panel on board, complete with electronic control unit.

» Safety systems with temperature and depression probes

» Protection box with self-supporting sheet metal paneling, painted with thermoplastic material

New radiant circuit featuring:

» New radiant circuit with double seaming and diameter Ø180mm

» New type of brackets

» New reflecting canopy in 2 versions: Standard in stainless steel, and RBT (optional) in stainless steel with thermal insulation and another upper canopy in aluminate

» Nipples Joints for connecting the internal radiant circuit

RADIANT

* It is possible to install the system completely inside the buildings with the exception of sports and underground areas.

Rev. 02-02-2021

CALIBRATION AND REGULATION WITH INVERTER

The inverter regulation guarantees a precise calibration for **maximum efficiency, for all possible cases and lengths foreseen by the radiant circuit, always offering the maximum performance** that can be reached by the installed heating system.

COMBUSTION EFFICIENCY UP TO 94,6%
WHICH MEANS ENERGY SAVING

+ COMFORT AND FLEXIBILITY:

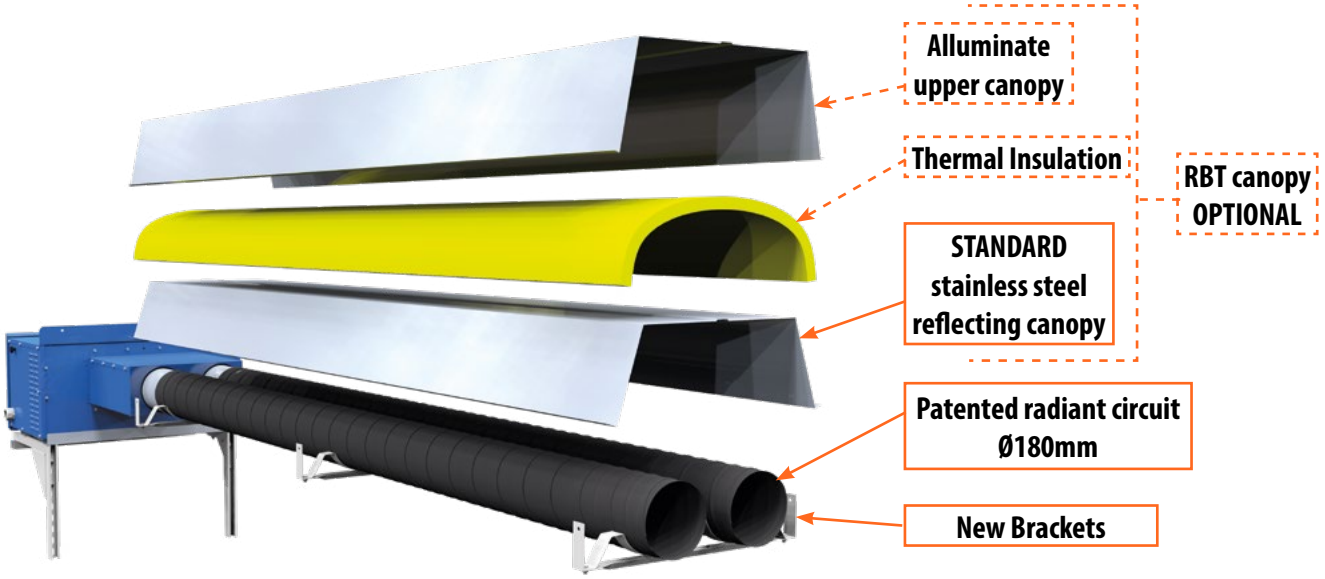
- ☑ **SYSTEMA**'s technology allows **the heat to be uniformed along the entire radiant circuit,** homogeneously heating the environment.
- ☑ More **noiseless** burner (according to the regulations DIN-VDE-0530)
- ☑ More flexibility of application

CERTIFICATIONS

- ☑ **CE certified**
- ☑ **The equipments have been certified for the outdoor installation with a global electrical protection degree IP 44**
- ☑ **In accordance with the Community Directive EMC 89/336/CEE**
- ☑ **In accordance with the Community Directive LOW VOLTAGE 73/23/CEE**
- ☑ **Low noise level according to the DIN-VDE-0530 regulations**

NEW STRUCTURE OF THE RADIANT CIRCUIT

The assembly of the individual elements has been designed to ensure maximum efficiency on the ground, minimizing heat losses upwards.



Rev. 02-02-2021

TECHNICAL DATA

MODEL			OHA 18	OHA 24	OHA 30	OHA 36
Appliance type			B22			
Category			II2H3+			
Thermal capacity (NCV)		kW	54	72	90	100
Combustion efficiency average (*) ⓘ		%	94,2	94,2	94,4	94,6
Rated CONSUMPTION at 15°C and 1013,25 mbar	G 20	m^3/h	5,71	7,62	9,52	10,58
	G 30	kg/h	4,26	5,68	7,10	7,89
	G 31	kg/h	4,20	5,59	6,99	7,77
Electric power supply			3/N/PE ~ 50Hz 400V			
Gas attachment (male)		Inches	3/4			
Peso apparecchio		kg	170			
Flue gas exhaust pipe diameter		mm	120			
Max length flue gas exhaust pipe		m	3	3	3	2
Radiant circuit diameter Ø		mm	180			
Radiant circuit length (2 pipes)		m	18	24	30	36
Combustion head code	G 20	Cod.	05CNT02520	05CNT02521	05CNT02521	05CNT02521
	G 30	Cod.	05CNT02520	05CNT02520	05CNT02521	05CNT02521
	G 31	Cod.	05CNT02520	05CNT02520	05CNT02521	05CNT02521
Gas diaphragm diameter	G 20	mm	6,8	7,7	8,5	10,0
	G 30/G 31	mm	4,2	5,3	5,5	6,0
Gas supply pressure	G 20	mbar	20			
	G 30	mbar	29			
	G 31	mbar	37			
Pressure at the diaphragm	G 20	mbar	19,0	18,5	17,9	14,0
	G 30	mbar	28,0	28,5	28,0	27,0
	G 31	mbar	36,0	36,5	36,0	35,0

(*) Nominal combustion efficiency: Test values detected on radiant circuits at the maximum length and average flue gas temperature of 115 °C. (At the chimney)

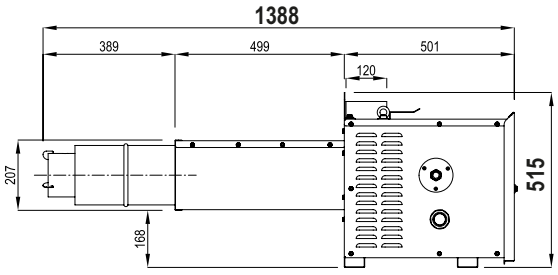
(ⓘ) The values indicated are exclusively indicative, considering that they usually change according with the real design of the system and the final use.

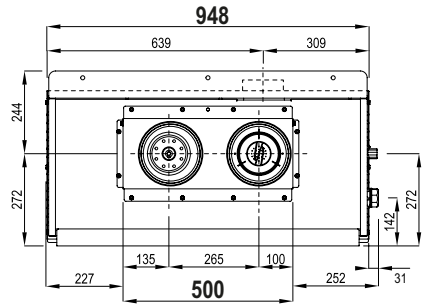
ATTENTION

For a proper design of the heating system, please get in touch with the Technical Department of Systema S.p.A.

DIMENSIONS

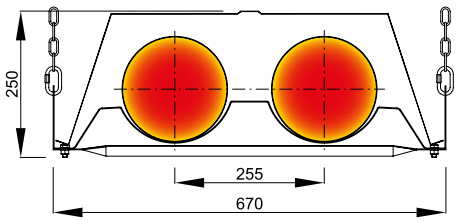
COMBUSTION UNIT





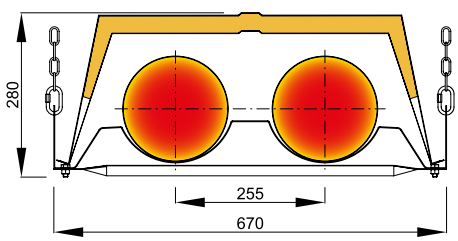
STANDARD RADIANT CIRCUIT

STANDARD radiant circuit weight =15 kg/m



RBT RADIANT CIRCUIT (OPTIONAL)

RBT radiant circuit weight =20 kg/m



Dimensions in mm

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