

# SOFI® HC

CE EUROPEAN  
WARRANTY

The ventilation radiator for heating & cooling



GERMAN  
DESIGN  
AWARD  
SPECIAL  
2020

## Specifications:

Sofi® HC is the radiator with high power and efficiency, which combines the features and appearance of a traditional radiator with the functions and performance of a fan coil. Ideal for functioning even at low temperatures. Sofi® HC is a system that can be used in both, heating and cooling..

## Fixing kit:

The radiator is protected with a recyclable cardboard box. Instructions for use and maintenance provided with the product. Always refer to the included installation notice.

## Packaging:

The radiator is protected by recyclable carton box.

## Painting process:

Painted with ecological epoxy powders (Certificate DIN 55900-1,-2).

## Cleaning:

Folding front panel to allow accurate cleaning of the entire radiator. Filters are easily removable, washable or replaceable.

**Electrical specifications:** Class 1

**Inlet water temperature:** Max 110 °C.

**Working pressure:** Max 5 bar.

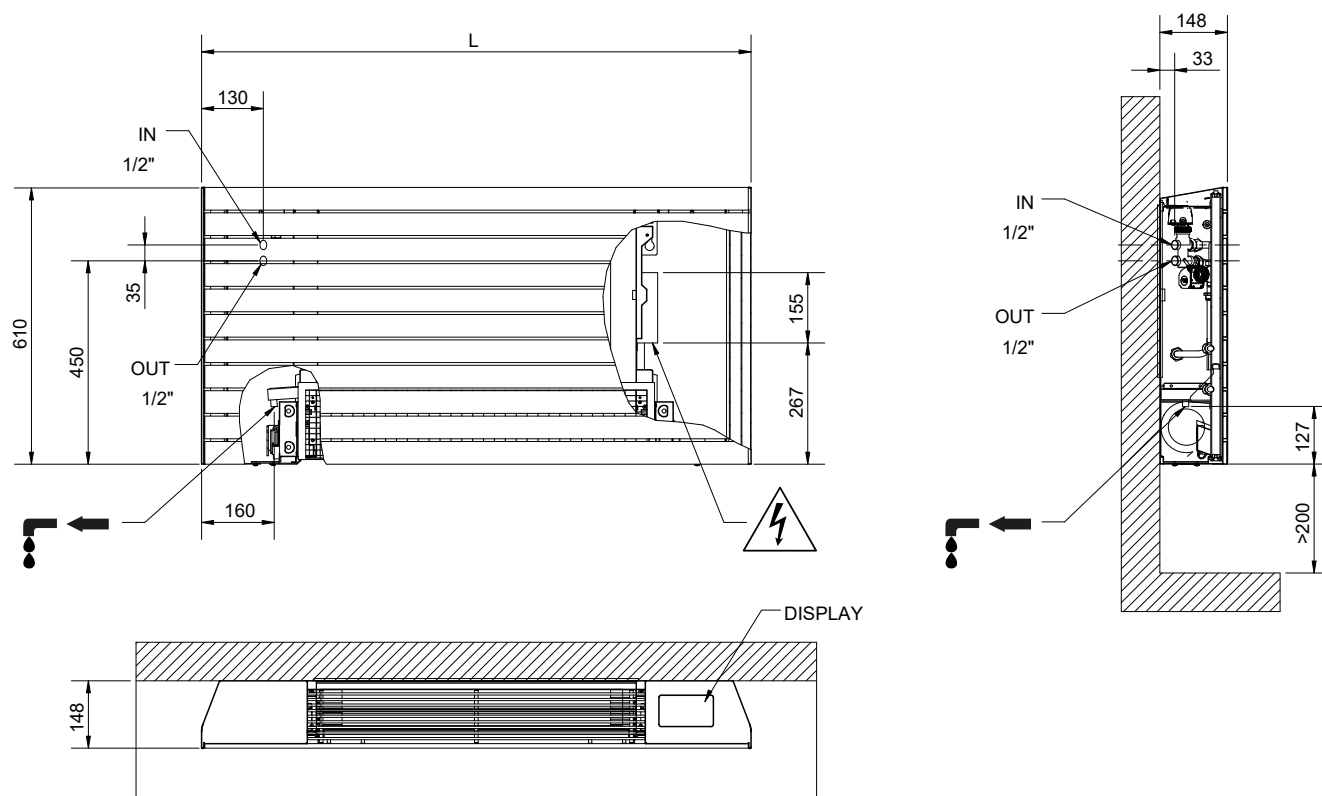
**Hydraulic connections:** G 1/2" M.

## Colors:

Standard color White RAL 9016-R02.

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## SOFI® HC

MODEL	Art. nr. WHITE RAL 9016-R02
<b>800</b>	3605770000067
<b>1000</b>	3605770000068
<b>1200</b>	3605770000069
<b>1400</b>	3605770000070

Article numbers in the table refer to models in color WHITE RAL 9016-R02.

## Dimensional data

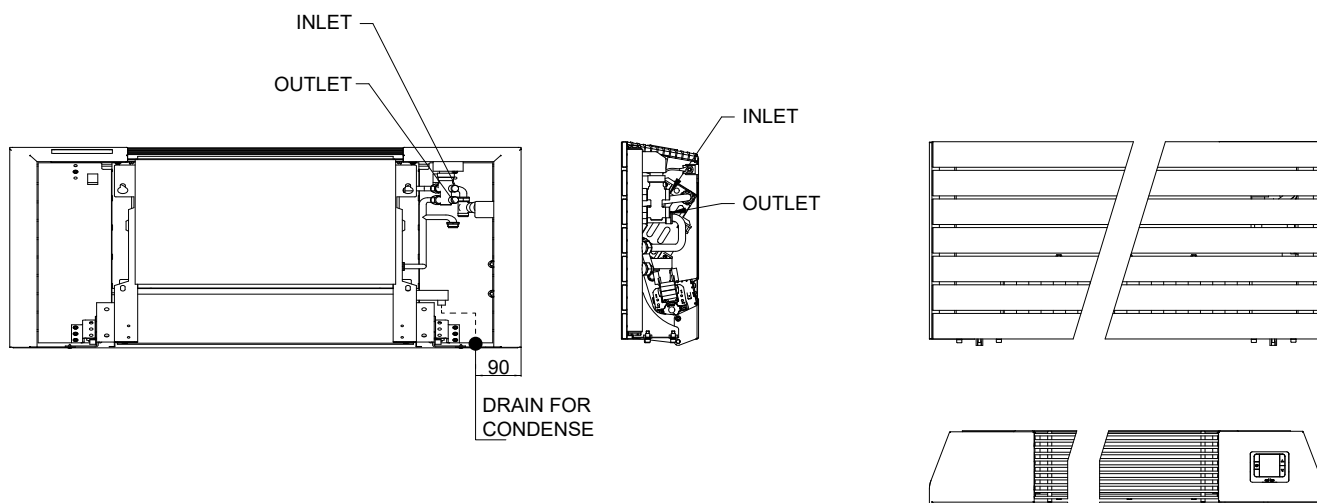
MODEL	Width L [mm]	Height H [mm]	Depth P [mm]	Weight [Kg]
<b>800</b>	800	610	148	33,5
<b>1000</b>	1000	610	148	43,1
<b>1200</b>	1200	610	148	52,8
<b>1400</b>	1400	610	148	60,4

## SOFI® HC - technical characteristics

Model L [mm]	<b>800</b>		<b>1000</b>		<b>1200</b>		<b>1400</b>	
Fan speed	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
<b>HEATING T1=70°C</b>								
Output [watt]	1585	2049	2798	3726	4103	5372	5422	7202
Ambient temperature [°C]	20°C							
Flow rate [l/h]	162		343		471		600	
Pressure drop [kPa]	7,0		7,5		19,0		25,0	
<b>HEATING T1=50°C</b>								
Output [watt]	931	1233	1683	2286	2395	3196	3240	4645
Ambient temperature [°C]	20°C							
Flow rate [l/h]	142		302		453		573	
Pressure drop [kPa]	6,5		7,0		18,5		24,5	
<b>COOLING 7°C</b>								
Total Cooling Capacity [watt]	574	748	1148	1496	1834	2154	2536	3120
Sensible Cooling Capacity [watt]	470	610	941	1250	1503	1900	2079	2600
<b>COOLING 12° C</b>								
Output [watt]	376	480	752	960	1058	1412	1590	2066
Ambient temperature [°C]	27- 19 °C							
Flow rate [l/h]	142		302		453		573	
Pressure drop [kPa]	7		9		22		28	
<b>OTHER DATA</b>								
Air flow heating [m3/h]	0	160	0	320	0	460	0	580
Air flow cooling [m3/h]	50	160	150	320	200	460	300	580
Sound pressure heating [db(A)]	0	44	0	44	0	44	0	44
Sound pressure cooling [db(A)]	28	44	28	44	28	44	28	44
Maximum electrical power absorbed [watt]	14		23		27		33	
Water content [litri]	5,2		5,6		7,4		8,4	
Dry Weight [Kg]	33,5		43,1		52,8		60,4	

# SOFI® HC

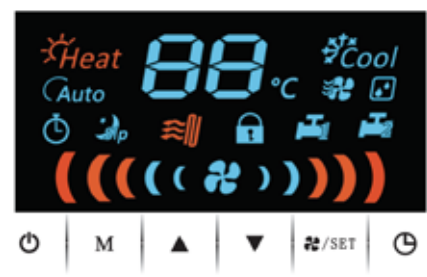
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## MAIN FUNCTIONS

- Heating mode
- Cooling mode
- Auto mode
- Dehumidification mode
- Fan mode
- Electric valve 1 and 2
- Timer
- Display touchpad block
- Air inlet temperature and set temperature

## DISPLAY TOUCH



## IDEAL FOR HEAT PUMPS

The radiator Sofi® HC is suitable for installations working at low temperatures, such as condensing boilers, heat pumps and solar thermal, allowing considerable energy and cost savings.

## HIGH EFFICIENCY ALSO WITH TRADITIONAL INSTALLATIONS

With systems that exploit traditional boilers, Sofi® HC, thanks to its power and reduced thermal inertia, is the most efficient solution for maximum comfort in the shortest possible time, even with fewer terminals.

## INDICATED FOR RENOVATIONS

Sofi® HC offers the opportunity to take advantage of new technologies for low temperatures efficiently and economically, without the need to intervene with heavy plant operations, thanks to the flexibility of connections.

## MAXIMUM SILENCE, REDUCED POWER CONSUMPTION

Even in ventilation mode, the Sofi® HC offers maximum quietness of the devices. In addition, its electricity consumption is remarkably low (9.9 watts) thanks to the DC Inverter Brushless motor.

## CLIMATE COMFORT MAINTENANCE

Climate comfort during nighttime with switched off ventilation, is granted by the plate of the radiator and by the finned coils through radiation and convection.

## MAXIMUM HYGIENE AND EASY TO CLEAN

Sofi® HC is equipped with filters able to keep dust, dust mites, bacteria and odors to ensure maximum environments hygiene, limiting the allergenic making the air more breathable. The filters are easily removable, cleanable and replaceable. The radiator can be fully inspected for cleaning.

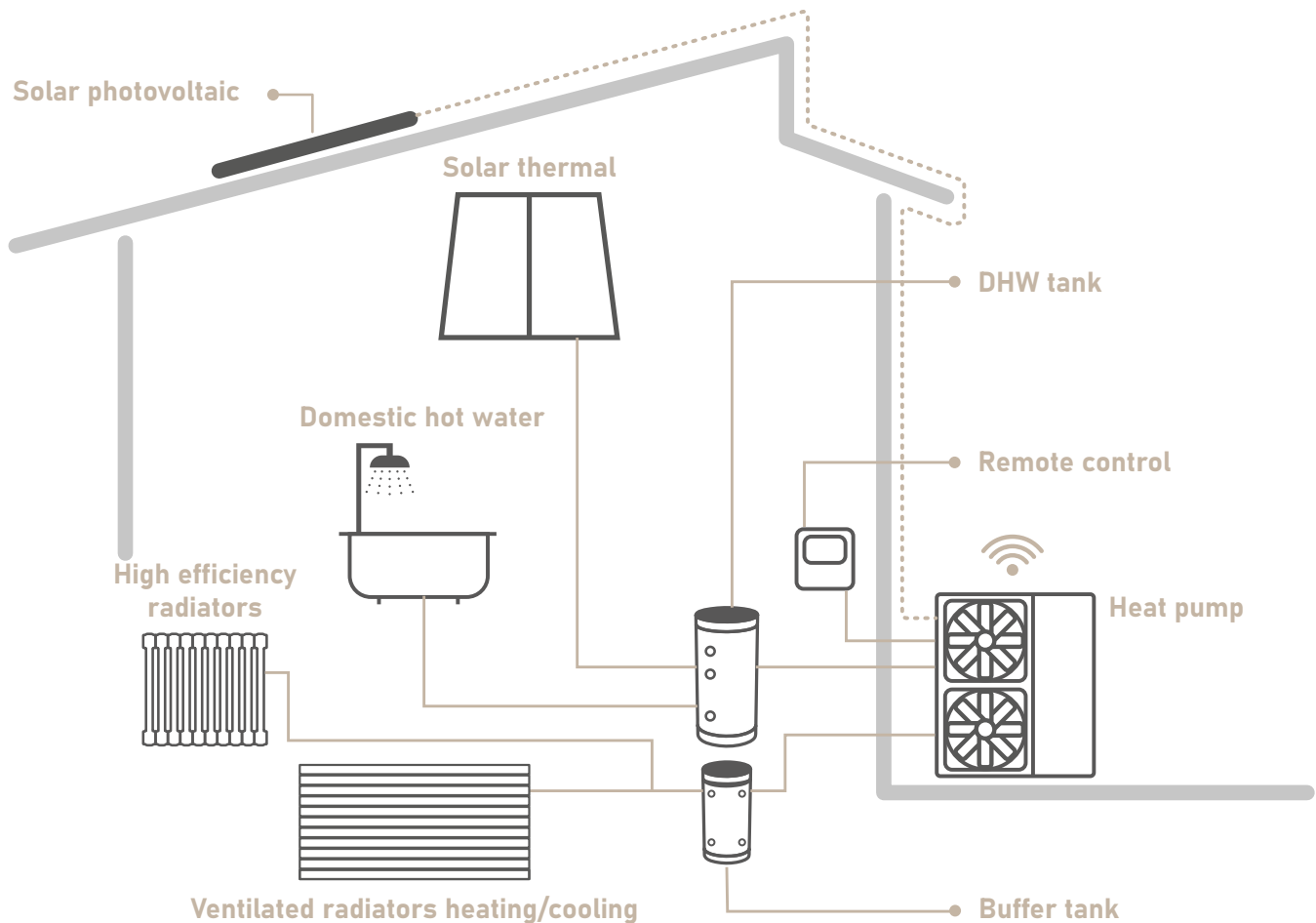
## REDUCED DIMENSIONS, MAXIMUM VERSATILITY

Sofi® HC satisfies every need, thanks to the reduced dimensions, the elegant design, the 80 available colors and picture version.

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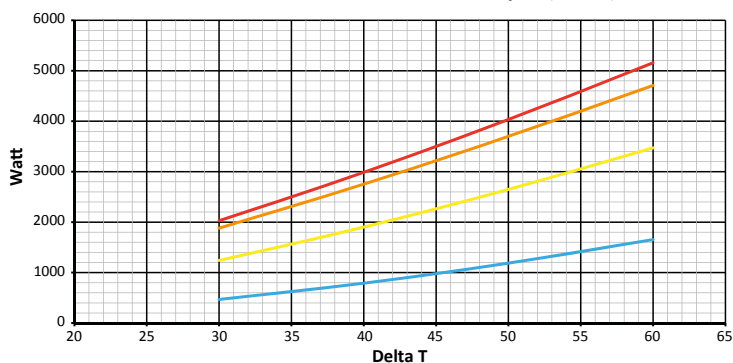
## THE COMPLETE SOLUTION FOR AN EFFICIENT HOME



HEATING & COOLING  
TERMINALS

HEATING  
TERMINALS

SOFI® HC 800 x 610 thermal output ( $\Delta T$  50)



Fan  
speed

- 3
- 2
- 1
- 0

Standard EN 16430 - Fan Assisted Radiators/Convectors  
Following the scheme of Case 1



$\Phi_{MS} = K_{n,MS} \cdot (\Delta T)^{n_{MS}}$	
Insert values calculated at the end of the test.	Data Input (yellow field)
Value of constant: $K_{n,MS}$	36.61075
Value of exponent: $n_{MS}$	1.15771
Nominal Thermal Output value: $\Phi_{AT50,MS}$	3392.5
Thermal Output $\Delta t=30$ K:	1878 W
Thermal Output $\Delta t=60$ K:	4190 W
W	

TECHNICAL SHEETS  
SUPPORT - ACCESSORIES