

Silicium Dynamic radiators



Energy saving

CLIMASTAR ranges of Dynamic Inertia Radiators are designed to heat or cool any space, guaranteeing the best comfort at any time of the year.

With a high accurate temperature control and a minimum noise level, Dynamic radiators are the best solution for high or low temperature hydronic installations in any season.

Climastar Dynamic radiators are connected to the house hydraulic network. The energy is exchanged between the heating circuit and the room air by the means of a heat exchanger integrated in the device plus an extra emitter element included in the front panel.

The front panel is made of **DUAL-KHERR**, a stone based heat accumulator plate that has turned to be the best solution to increase the heat transfer to the room during more time.

DUAL-KHERR inertia front panel will increase heat radiation, decreasing the room temperature stratification and consequently minimizing the heating consumption.

Climastar Dynamic radiators are formed by two ranges, one specially designed for heating and cooling installations with reversible heat pumps, this is the **Hybrid Inverter range**. The other is specially designed for heating purposes, whatever the source of heat, **this is our Hybrid Eco line**.

Both ranges increase the water heating installation performance dramatically in order to reduce energy consumption.

Different options, sizes and finishes make these ranges easy to fit with any kind of decoration.



Dynamic inertia radiators





Hybrid Inverter

The best Hydronic performance



Energy saving

Perfect central heating system with individualized room temperature management. It is the ideal solution for your water central heating and cooling installation.



Dynamic inertia radiators

Manufactured with Dual Kherr inertia front panel that will increase heat radiation and comfort, decreasing the room temperature stratification and minimizing the heating consumption.

Inverter Technology: The air blow and the water flow is automatically adapted to the room temperature

requirements.

In summer mode not only temperature but also humidity is managed.

Noise is almost not noticeable due to the dynamic, steady and continuous performance of this device.

This INVERTER technology affects mainly to the performance of the heat generator (heat pump or boiler) optimizing and reducing the running costs.

New Smart DK-S Digital Control module

The DK-S digital module manages all the parameters and user settings in the device to optimize performance and reduce consumption:

- It controls fan speed, modifying -if required, the air flow into the room.
- It operates the additional front panel heating element if required.
- It activates the electro valve, to optimise the heat generator performance.
- Intuitive and easy-to-use LCD display:

Manual set up for Winter or Summer mode:

- Option of fan speed manual set up.
- Temperature set up.
- Additional heating element manual activation.
- Sleep mode: temperature and noise level decrease for better comfort.
- Automatic mode: All the above is automatically set up when selecting temperature level.



Technical features:



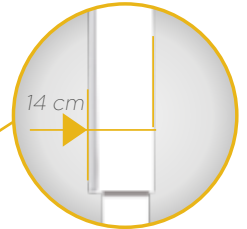
Thermal and noise insulation



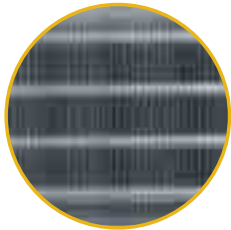
New Smart DK-S Digital Control module
 It optimizes performance and restricts energy consumption



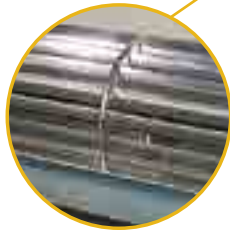
Euroconus water connections



Slim design, Powder coated steel structure.



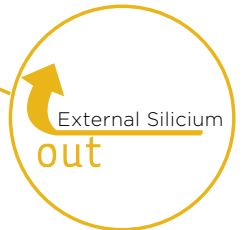
High performance copper / aluminium heat exchanger for quick temperature adjustment.



Noiseless tangencial fan

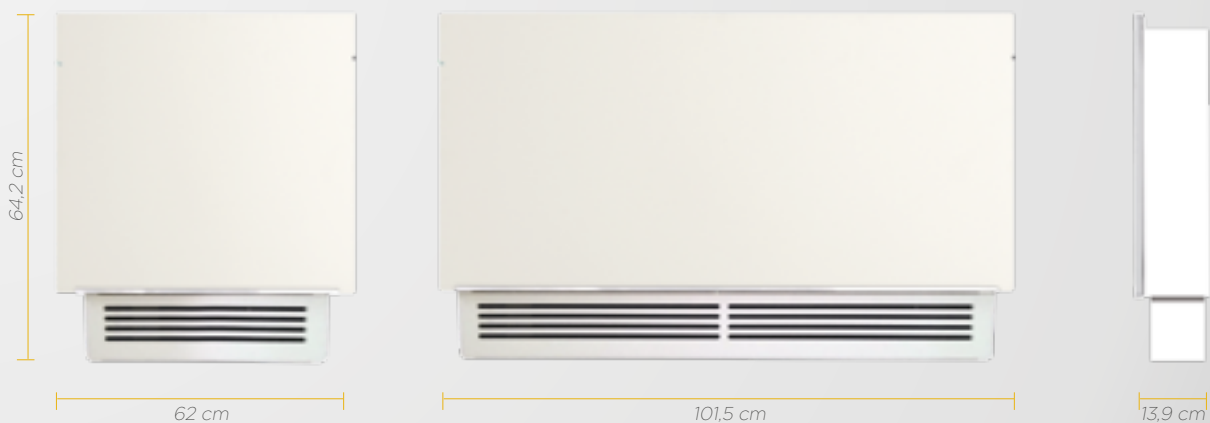


External heat accumulation stone panel
DUAL-KHERR



Easy access to filters for quick maintenance

Dimensions:



With only two models we can adapt to almost any dimension in a domestic or commercial area.

Hybrid Inverter

Ref.	Dimensions
2000 IR	620 x 642 x 139 mm
6000 IR	1015 x 642 x 139 mm

Technical features:

Features		Hybrid Eco	Hybrid Eco
		INVERTER 2000 IR	INVERTER 6000 IR
Total cooling capacity (a)	W	830	2650
Sensible cooling capacity	W	620	1960
Water flow	l/h	143	456
Water pressure loss	kPa	7,2	22,5
Heating power with 50°C water inlet (b)	W	1090	3190
Heating power with 50°C water inlet + additional element	W	1240	3440
Water flow rate (50 °C water inlet)	l/h	143	456
Water pressure loss (50 °C water inlet)	kPa	5,7	16,3
Heating power without fans (50 °C)	W	210	291
Heating power with 70°C ΔT 10 water inlet (c)	W	1890	5470
Heating capacity with 70°C ΔT 10 water inlet + additional element	W	2040	5720
Water flow (70 °C water inlet ΔT 10)	l/h	162	471
Water pressure loss (70 °C ΔT 10 water inlet)	kPa	6,7	16,1
Heating power without fans (70 °C)	W	322	447

- a. 7 °C water inlet in the exchanger, 12 °C water outlet off the exchanger, 27 °C ambient air with dry pressure bulb and 19 °C with damp bulb (UNE EN 1397).
- b. 50 °C water inlet in the exchanger, same water flow as in cooling mode, 20 °C ambient air (UNE EN 1397).
- c. 70 °C water inlet in the exchanger, 60 °C water outlet off the exchanger, 20 °C ambient air.

HYDRAULIC FEATURES

Water content in exchanger	L	0,47	1,13
Maximum operating pressure	bar	10	10
Hydraulic connections	inches	Eurokonus 3/4	Eurokonus 3/4

HYDRAULIC DATA (d)

Maximum air flow	m ³ /h	162 (*)	461 (*)
Airflow at medium speed (AUTO mode)	m ³ /h	113 (*)	367 (*)
Airflow at minimum fan speed	m ³ /h	55 (*)	248 (*)
Maximum static pressure available	Pa	10	13

d. Air flow measured with clean filters

(*) Air flow in cooling mode. The air flow in heating mode is 20 m³/h higher in model 2000 IR and 40 m³/h higher in models 6000 IR.

ELECTRICAL DATA

Voltage / Phases / Frequency	V/ph/Hz	230/1/50	230/1/50
Maximum power input	W	12,9	21,8
Maximum current input	A	0,11	0,18
Power input at at minimum speed	W	6	14

SOUND LEVEL (e)

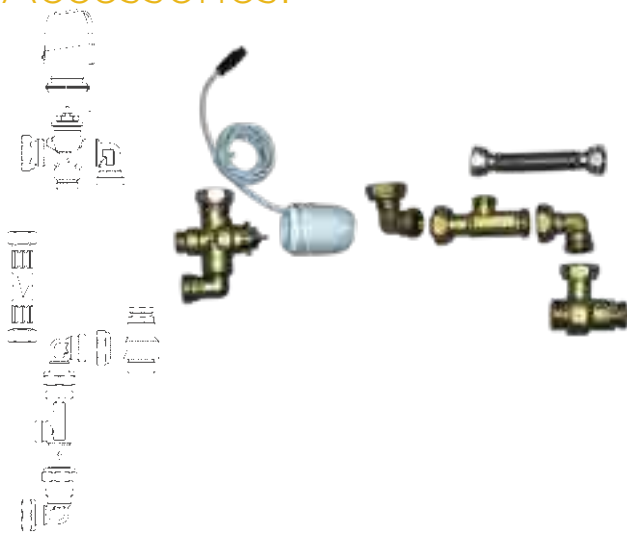
Sound pressure at maximum airflow	dB(A)	39,4	42,2
Sound pressure at medium airflow	dB(A)	33,2	34,4
Sound pressure at minimum airflow	dB(A)	24,2	25,6
Sound pressure at temperature setpoint	dB(A)	18,8	22,3

e. Sound pressure measured in semi anechoic chamber in compliance with ISO 7779

DIMENSIONS AND WEIGHTS

Total length	mm	620	1015
Total height	mm	642	642
Total depth	mm	139	139
Net weight	Kg	22	34

Accessories:



Thermostatic, fitting valves and by pass kit with connection to the electronic module

Ref.

CO53051

Hybrid Inverter Features

Ref.	Power (W)	Packaging dimensions (cm)	Weight (Kg)	Units per pallet*	
				FTL	LTL
Inverter 2000 IR	2040	70x75x25	22	8	7
Inverter 6000 IR	5720	110x75x25	34,2	8	6

*FTL: Full truck loads. LTL: Less than a truck loads

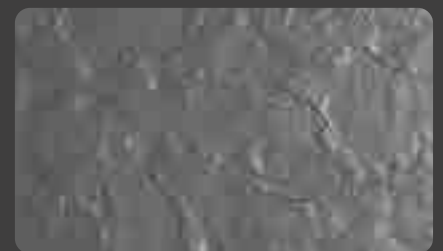
Recommended finishes for Hybrid inverter dynamic radiators



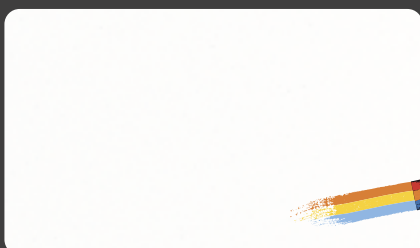
Classic



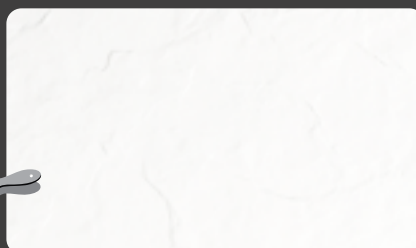
Terra Limestone



Black slate



White Cashmere - Mimetic



White slate

White cashmere finish can be painted in any colour you may wish if you add a coating for waterproof surfaces that can be found in any painting shop.