

# Hybrid Eco

## Advanced hydronic heating



Energy saving

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



Dynamic inertia radiators

Manufactured with **DUAL-KHERR** inertia front panel. It will increase heat radiation and comfort, decreasing the room temperature stratification and minimizing the heating consumption.

Quick room warming up: The air blow and the water flow will increase the room temperature just in few minutes.

Noise is almost unnoticeable due to the steady and continuous performance of this device.

Climastar Hybrid technology affects mainly to the performance of the heat generator (heat pump or boiler) optimizing the temperature and rooms comfort and consequently reducing the running costs.

Different working modes:

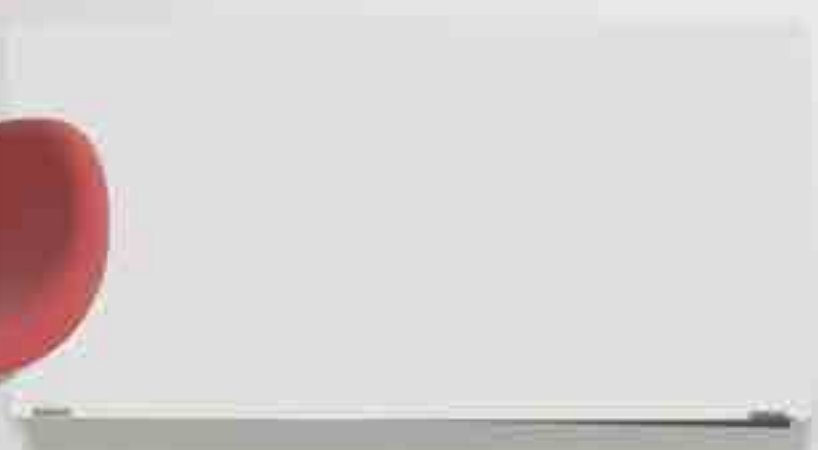
Static mode, heat exchanger as heat source by natural convection.

Dynamic mode, with a cross-flow fan electronically controlling forced flow-heat.

Adaptative mode, forced-flow heat together with a low consumption radiant panel-200W or 400W as per model,

Independently and manually controlled.

Slats can be oriented to improve the air flow management.



## Hybrid electronic timer control module.

Intuitive and easy-to-use electronic timer display:

- Fan speed is manually selected: boost, comfort or eco.
- Seven available timed options: 1h, 4h, 5h, 8h, 9h, 12h or 13h.
- The fan works as per the time and program selected.
- Additional heating element can be manually activated.



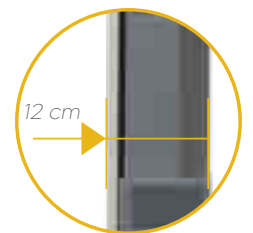
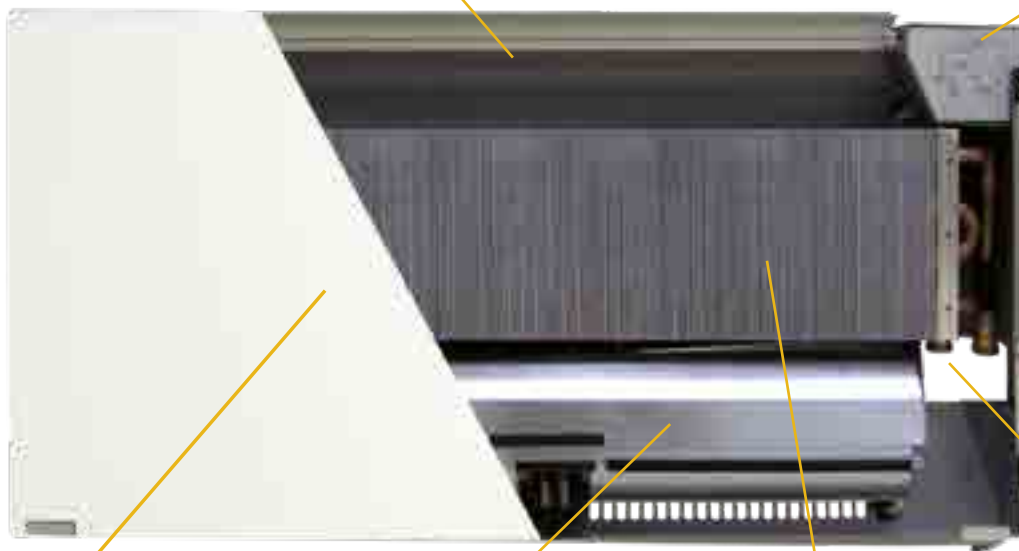
## Technical features:



*Thermal and noise insulation*



*Electronic timer control unit.*

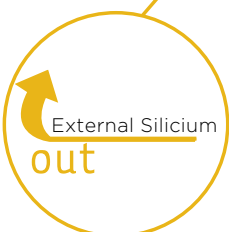


12 cm

*Slim design, powder coated steel structure,*



*Hidden water connections*



*External Silicium out*

*External heat accumulation stone panel*

**DUAL-KHERR**



*Noiseless tangential fan*

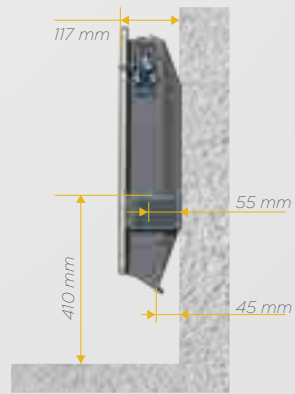


*High performance copper / aluminium heat exchanger for quick temperature adjustment.*



### Dimensions:





### Fitting dimensions:



## Power W. Adaptative Hybrid Eco 50x50

Inlet temperature °C	35				45				55				65				75				Sound level*
	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	
Water flow l/m	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	
Natural convection 100% silent	91	104	115	123	227	240	252	261	344	366	385	400	441	482	515	542	520	588	641	684	
Very quiet mode (V1)	134	194	201	209	315	334	356	370	509	543	572	586	610	661	712	747	694		868	1054	23 dB
Quiet mode (V2)	255	269	281	290	448	465	479	490	648	671	691	706	855	890	917	938	1069	1119	1158	1364	24 dB
Average value V2 	455	469	481	490	648	665	679	690	848	871	891	906	1055	1090	1117	1138	1269	1319	1358	1564	24 dB
Booster mode (V3)	311	355	389	416	572	639	693	735	817	899	964	1016	1045	1134	1203	1259	1549	1634	1701	1754	46 dB
Extra mode 	511	555	589	616	772	839	893	935	1017	1099	1164	1216	1245	1334	1403	1459	1749	1834	1901	1954	46 dB

## Power W. Adaptative Hybrid Eco 100x50

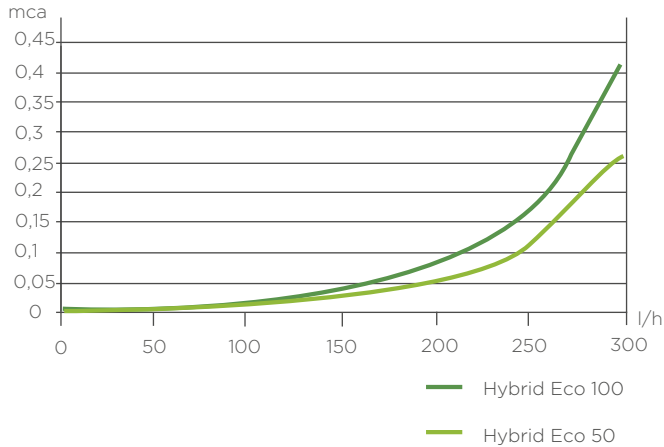
Inlet temperature °C	35				45				55				65				75				Sound level*
	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	
Water flow l/m	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	
Natural convection 100% silent	157	181	199	214	394	418	438	454	599	637	671	697	768	840	897	944	905	1025	1128	1192	
Very quiet mode (V1)	309	335	356	370	611	641	664	686	880	944	870	1008	1072	1137	1208	1269	1344	1416	1494	1557	21 dB
Quiet mode (V2)	444	470	489	505	780	809	833	852	1128	1170	1202	1228	1488	1549	1597	1635	1863	1948	2016	2070	24 dB
Average value V2 	844	870	889	905	1180	1209	1233	1252	1528	1570	1602	1628	1888	1949	1997	2035	2263	2348	2416	2470	24 dB
Booster mode (V3)	608	694	760	815	1117	1248	1352	1436	1594	1757	1882	1984	2041	2215	2350	2460	2459	2626	2755	2861	44 dB
Extra mode 	1008	1094	1160	1215	1517	1648	1752	1836	1994	2157	2282	2384	2441	2615	2750	2860	2859	3026	3155	3261	44 dB

# Hybrid Eco

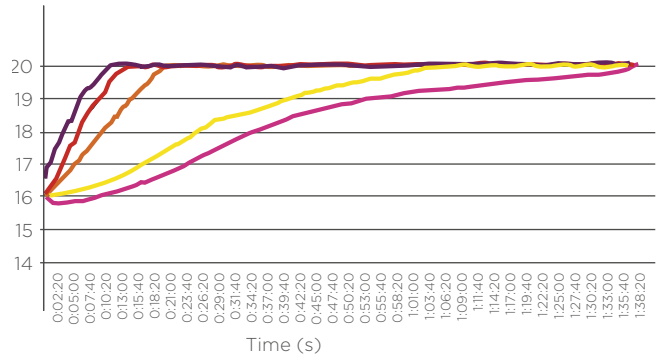
## Technical details:

Model	Measures mm. Length x Height x Depth	Kg (dry weight)	Water volume	Extra mode	Fan	Heat exchanger connections
Hybrid Eco 50	500x500x118	20	0,8 L	200 W	40 W	1/2"
Hybrid Eco 100	1000x500x118	30	1,6 L	400 W	40 W	1/2"

### Heat exchanger pressure loss



### Temperature room range and operating flexibility of Hybrid Eco (tested at Δ 40 °C)



5 Options

- Natural convection. 100% silent
- Air speed 1 3km/h. Very Quiet
- Booster mode with additional power
- Air speed 2 5km/h. Quiet
- Air speed 3 8km/h. Booster mode

## Accessories

### Thermostatic valves:

Description	Ref.
Thermostatic valve (white)	08900
Thermostatic valve (chrome)	20147



08900



20147

### Stainless Steel towel bars:

Description	References		Weight (Kg)
	5 cm depth	8 cm depth	
51 cm. stainless steel bar	BT050X5	BT050X8	0,50
102 cm. stainless steel bar	BT100X5	BT100X8	0,85



### Stainless Steel towel hooks:

Description	Ref.
Towel hooks, pack 3 units	PERINOX





## Hybrid Eco Models Features

Ref.	Power (W)	Packaging dimensions (cm)	Weight (Kg)	Units per pallet*	
				FTL	LTL
Hybrid Eco 50	455 - 1564	60x66x20	20	27	22
Hybrid Eco 100	844 - 2470	110x66x20	30	15	12

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

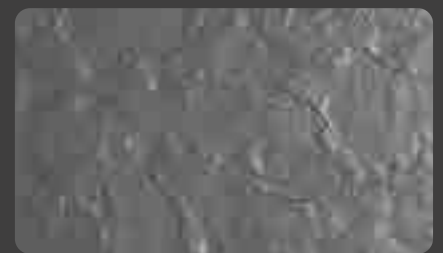
## Recommended finishes for Hybrid Eco Dynamic models



Classic



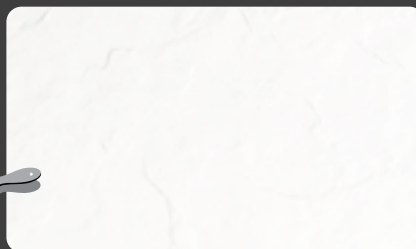
Terra Limestone



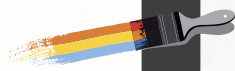
Black slate



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.