

KONRAD



Hybrid Fancoil Series



Konrad is an innovative radiator which cools you down and warms you up.

Indeed, it cools in summer and heats in winter; but it makes it with an incomparable quietness.

Thanks to its unique device SHR, Konrad is able to provide heat as a radiator in winter and it works with ZERO decibels while in cooling mode it is a top class product for the quietness, performance and solidity of its structure.

If you think to use a condensing boiler or a heat pump, Konrad is the new generation of hydronic terminal that you were waiting for, designed for deserving maximum comfort throughout the all year.

And saving energy.

Due to the fact that it can heat at low temperature it is specifically projected to be combined with heatpumps of high efficiency and for systems with condensing boilers.

It is a reliable and convenient solution also as primary heating-cooling system, but it can also be a great assistant of radiant systems to reduce their inertia in reaching the set point and for moisture control during conditioning.

Konrad, is the radiator that cools and does not make noise.



Structure of reduced thickness 16 cm

Made of galvanized steel and powder coated epoxy- polyester guaranteed for 10 years against corrosion.

Internal insulation and condensate pan

Internal insulation made of EPP (Expanded Polypropylene) to ensure maximum absorption of vibration and noise together with maximum corrosion resistance

Fan

Special radial fan with backward blades made of ABS thermoplastic reinforced with glass sphere.

Fan Motor

Version DC with Inverter available for reduced power consumption.

Frontal radiator

Made of welded steel coated with epoxy-polyester painting.

Exchanger

Made of aluminum fins protected with hydrophilic treatment and copper tubes of 3/8 inch with reduced water pressure drop

OPTIONS

Condensate pump

Condensate pump with high pressure and low noise.

Valves

The machine is equipped with a series of valves and actuators selected to ensure long-term reliability.

Accessories

There are several options such as hoses connection, wall holders, feet, valves, activated carbon and catalytic filters.

The best terminal for heat pumps and condensing boilers

KONRAD, the double value unit designed to be installed with heatpumps and condensing boilers working at low temperature.

Thanks to its technology, your installation can go up one class and, if already in A, it can maintain it, either in heating or in cooling, with maximum savings throughout the year.



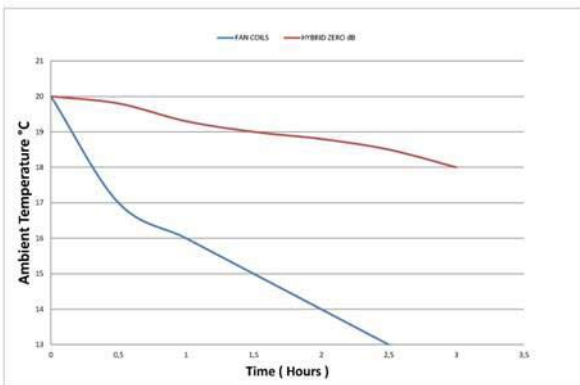
KONRAD Hybrid Fancoil series

TECHNICAL DATA			2.0 Exclusive	4.0 Exclusive	2.0 Eco	4.0 Eco
Nominal cooling capacity	Total cooling capacity (7° -12°C)	W	2169	3585	2169	3585
	Sensible cooling capacity (7°-12 °C)	W	1735	2800	1735	2800
Nominal heating capacity	Total heating capacity (50 °C)	W	2498	3763	2498	3763
	Static heating capacity (50°C)	W	469	504	469	504
	Nominal mass stored heating capacity (50 °C - 20 °C amb.)	W	185	335	185	335
Nominal	Air flow Min	m³/h	150	250	150	250
	Air flow Max	m³/h	400	750	400	750
Cooling capacities for radiant system	Total cooling capacity (16° -22°C)	W	554	707	554	707
	Sensible cooling capacity (16°-22 °C)	W	443	565	443	565
Heating capacities for classic boiler or pellets boiler	Total heating capacity (70-60 °C)	W	4237	6528	4237	6528
	Static heating capacity (70-60°C)	W	914	1266	914	1266
	Total heating capacity (75-65 °C)	W	4765	7357	4765	7357
	Static heating capacity (75-65°C)	W	1100	1421	1100	1421
Heating capacities for heat pump	Total heating capacity (45-40 °C)	W	2023	3136	2023	3136
	Static heating capacity (45-40°C)	W	275	383	275	383
Heating capacities for radiant system	Total heating capacity (35-30 °C)	W	915	1418	915	1418
	Static heating capacity (35-30°C)	W	225	333	225	333
Generalities	Coil water content	dm³	1,1	1,8	1,1	1,8
	Water content radiator	dm³	3,03	5,05	3,03	5,05
	Minimum noise level	dB(A)	0	0	0	0
	Maximum noise level	dB(A)	44	49	44	49
	Fan power consumption AC	W	15-44	26-73	15-44	26-73
	Fan power consumption DC Inverter	W	7-22	13-37	7-22	13-37

Note: The technical data are not binding over. The manufacturer may make changes at any time

Innovative device SHR

KONRAD, is the only hybrid radiator - fan coil device equipped with SHR (Static Heating Radiator) which, due to its large volume of water, it allows static operation, ever so silent, guaranteeing excellent performance as a traditional radiator.



Large thermal inertia

Compared to traditional fan coils or fan coils with radiating plate, the large volume content of water in Konrad acts as a thermal flywheel and it allows to maintain the temperature of the heating body for a long time even with the circulation pumps are off. In this way it is possible to reduce the continuing starting of boilers or heat pumps, increasing the overall performance of the system. (see the Nominal mass stored heating capacity in the table of technical data).

Structure of reduced thickness 16 cm

Made of galvanized steel coated with epoxy-polyester painting, guaranteed for 10 years against corrosion.



Control Exclusive

The Exclusive version of Konrad is equipped with on-board controls of fine workmanship. A comfortable backlit LCD display light enables you to view all the functions.

Using the controls on board, you can change settings, master the control of environmental humidity and also select the night function.



Other control

Wall mounted control version Exclusive.

The version Exclusive can have as accessory a wall mounted control panel for the management of the unit, with programmable timer. It can set the unit completely.

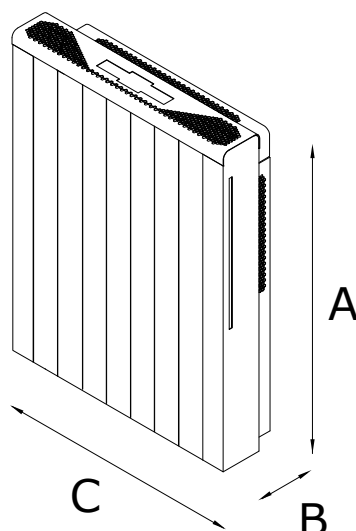
Wall control I-DIGIT version

The Eco version is managed by traditional thermostats for wall mounting. The range proposed is wide, but the advantage is that the electronics mounted on Konrad is designed to be compatible with most of the thermostats for fan coils available in the market.



TECHNICAL DATA	2.0 Exclusive	4.0 Exclusive	2.0 Eco	4.0 Eco
Conditioning	Yes	Yes	Yes	Yes
Heating	Yes	Yes	Yes	Yes
Static heating at zero dB	Yes	Yes	Yes	Yes
Dehumidification	Yes	Yes	No	No
Control relative humidity %	Yes	Yes	No	No
Ventilation	Yes	Yes	Yes	Yes
Night function	Yes	Yes	Yes	Yes
Weekly Timer	Yes	Yes	Yes	Yes
Daily Timer	Yes	Yes	Yes	Yes
Fan speed	6 + auto	6 + auto	3	3
Activated carbon filters	Optional	Optional	Optional	Optional
Controls on the machine	Yes	Yes	No	No
2-4 Installing pipes	Yes	Yes	Yes	Yes
De-icing function	Yes	Yes	No	No
Fan motor	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter	AC/DC Inverter
Window contact	Yes	Yes	Yes	Yes
Feet	Optional	Optional	Optional	Optional
Installation accessories	Yes	Yes	Yes	Yes
Network master/slave	1-32 units	1-32 units	1-32 units	1-32 units
Data Logger	Yes 2048 units	Yes 2048 units	No	No
Mod Bus	Yes	Yes	Yes	Yes

TAGLIA		2.0	4.0
Dimensions	A	mm 757	757
	B	mm 160	160
	C	mm 578	894
Net Weight	Kg	35	45
Gross Weight	Kg	37	47



For more details ask for documentation to: info@aerfor.com
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