

Hoval

Belaria® fit WLH

Reversible air-cooled heat pumps
for outdoor installation

Efficient | Versatile | Sustainable



Hoval Belaria® fit WLH

In detail.

Belaria® fit WLH
(113-220)



Belaria® fit WLH

for efficient solutions with renewable energy

Belaria® fit WLH has been designed to provide high power in a monovalent version or as a hybrid system (not factory-made), using a high percentage of renewable energy..

- Efficient
- Modular
- Sustainable

It provides efficient heating, cooling and hot water preparation functions at the same time: for example, for industries, hotels, shopping centres, hospitals, offices, multi-family homes and many other applications.

Efficient

Belaria® fit WLH systems are particularly energy efficient:

- Thanks to modulating inverter technology, they continuously adjust their power within a very wide range, from 30 to 100%, ensuring optimum performance at all times.
- The evaporator fins are protected by a water-repellent coating, ensuring high efficiency and short defrosting times.
- The R32 refrigerant is characterised by its high volumetric cooling capacity, allowing for high efficiency in both heating and cooling. In addition, the evaporation behaviour of the is ideally suited to our temperate climate, with high seasonal coefficients for heating and cooling (SCOP/SEER).

Heat recovery

- Configuration that allows free hot water production during cooling operation.

- Reduction in condensation temperature: under nominal conditions, cooling capacity increases by approximately 3.2% and the power absorbed by the compressors is reduced by 3.6%.

Modular

As a stand-alone heat pump, Belaria®fit WLH provides sufficient power for medium to large buildings. Multiple units can be combined in cascade to achieve even higher power outputs.

The combination of Belaria®fit WLH with UltraGas® 2 or TopGas®condensing generators also provides a highly efficient solution efficiency when higher flow temperatures are required.

A sustainable solution

The R32 refrigerant meets the requirements of EU regulations and has a lower global warming potential than traditional refrigerants. The high efficiency of Belaria® fit WLH systems makes them sustainable, allowing access to current incentives.

Technical data

Belaria® fit WLH / WLH CP		(113)	(140)	(180)	(220)
Heating capacity max / COP EN 14511:2018	kW / -	135.0 / 3.01	163.0 / 3.09	192.0 / 3.10	240.0 / 3.02
Cooling capacity max / EER A35W12 EN 14511:2018	kW / -	103.0 / 2.33	173.0 / 2.15	285.0 / 2.20	380.0 / 2.21
SCOP for average climate at W35/55 °C		4.12 / 2.88	4.07 / 2.88	4.15 / 2.87	4.11 / 2.93
SEER		4.40	4.31	4.34	4.30
Sound power level	dB(A)	77	78	80	81
Refrigerant		R32	R32	R32	R32

*Power data according to EN 14511:2018 | Acoustic data according to EN ISO 9614-2

Approximate reduction in CO₂ emissions for Hoval solution

Technical solution	Process heat 40-60 °C	Process heat 60-90 °C
 Belaria® fit WLH + UltraGas® 2	- 42%	- 35%

*Starting scenario: conventional generator, conventional high-temperature distribution terminals, lightweight structural insulation

Hoval quality.
You can count on us.

Hoval

Hoval is one of the leading international companies for heating and indoor climate solutions. Drawing on 80 years of experience and benefiting from a close-knit team culture, the Hoval Group delivers exciting solutions and develops technically superior products. This leadership role requires a sense of responsibility for energy and the environment, which is expressed in an intelligent combination of different heating technologies and customised indoor climate solutions.

Hoval also provides personal consultations and comprehensive customer service. With around 2500 employees in 15 companies around the world, Hoval sees itself not as a conglomerate, but as a large family that thinks and acts globally.

Hoval heating and indoor climate solutions are currently exported to more than 50 countries.

Responsibility for energy and environment

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