LA 1014CP M Comfort HC

Air/water heat pump with natural refrigerant and Hydrotower HWK 332HC for heating, cooling and hot water

Experience Better Living.



Environmentally friendly and sustainable
Thanks to the environmentally friendly refrigerant R290 and the high-quality metal housing.

Maximum efficiency with optimum comfort and low noise emissions.
The power-controlled components – compressor, circulation pumps and EC fan – are optimally matched in terms of noise emissions and volume flows.

Perfect for renovation and new construction
Highly efficient: Efficiency class A+++ for low and medium temperature heating systems. When used in conjunction with radiators, the heat pump achieves efficiency values that older heat pumps could only achieve in combination with underfloor heating.

Controlled cooling
In addition to dynamic cooling with fan coil units, intelligent room temperature control with dew point-controlled cooling is also possible (MMH 25 mixed heating circuit module and Smart-RTC+ intelligent room temperature controller included in the package).

Plug'n'play
The combination with the internally installed Hydrotower with buffer and hot water storage tank provides a ready-to-use system hydraulics in the smallest of spaces with hydraulic decoupling of the generator and consumer circuits.

Use of renewable energies
The bivalent renewable operating mode hydraulically integrates heat generators such as wood or thermal solar energy and gives priority to the use of renewable heat.

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The reversible LA 1014CP M air-to-water heat pump not only impresses with its natural, environmentally friendly R290 refrigerant, but also with its ability to cover a building heating load of up to 14 kW in a compact housing.
In combination with the Hydrotower HWK 332HC with a 300-litre hot water tank and a 100-litre buffer tank, the system comfortably supplies a 6-person household.
The LA 1014CP M can be used in new buildings as well as in the renovation and replacement of existing systems with a flow temperature of up to 75 °C. In existing buildings with flow temperatures of up to 55 °C, it achieves the highest efficiency class A+++. In new buildings with underfloor heating, the heat pump achieves maximum efficiency values and is ideal for detached and semi-detached houses with an area of up to 400 square metres. In summer, the cooling function, with the appropriate hydraulics, ensures that houses with underfloor heating remain pleasantly cool or, in conjunction with heat pump radiators, can even cool dynamically.

Order code	LA 1014CP M Comfort HC
Item number	383710
LA 1014CP M Comfort HC heat pump	
Energy efficiency class / Energy efficiency (VL 35 °C) / Eta s	A+++ / 194 %
Energy efficiency class / Energy efficiency (VL 55 °C) / Eta s	A+++ / 155 %
SCOP 35 °C / 55 °C	4,94 / 3,96
ERP sound power level	55 dB(A)
Sound power level (A2/Wxx-42; EN14825 part load ratio B)	56,2 dB(A)
Flow temperature	max. 75 °C
Heating capacity / COP (at A-7 / W35)*	10 kW / 3,15
Heating capacity / COP (at A2 / W35)*	9,2 kW / 4,0
Heating capacity / COP (at A7 / W35) min.*	5,34 kW / 5,65
Heating capacity / COP (at A7 / W35) max.	14,94 kW / 4,58
Cooling capacity / EER (at A35/W18)*	12 kW / 4,6
Lower / upper operating limits (heating mode)	-25 °C / 35 °C
Lower/upper operating limits (hot water)	-25 °C / 46 °C
Refrigerant / refrigerant quantity	R290 / 1,5 kg
Maximum power consumption	24 A
Connection voltage	1/N/PE ~230 V (50Hz)
Heat pump dimensions (W x H x D)**	1330 × 1051 × 501 mm
Heat pump weight	176 kg
Hydrotower HWK 332HC	
Energy efficiency class	C
Hydrotower dimensions (W x H x D)**	710 × 1890 × 950 mm
Hydrotower weight	205 kg

* Heating capacity and coefficient of performance (COP) according to EN 14511
** Please note that additional space is required for pipe connections, operation, and maintenance

Due to the flammable, natural refrigerant R290, a protection area surrounding the unit must be maintained, depending on the installation location. Further requirements for the installation conditions can be found in the installation and operating instructions available at www.dimplex.eu/LA1014CPM and must be strictly observed.

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