



WP Max-AirMono F67 large heat pump

R290 air/water heat pump in
monoblock design

WP Max-AirMono F67 air heat pump



The monoblock for large single-family and multi-family homes as well as commercial buildings



Source:
-22 °C to 40 °C



Flow:
25 °C to 72 °C

The compact WP Max-AirMono F67 air-to-water heat pump in monoblock design heats, cools, and produces hot water. The soundproofed outdoor unit uses the outside air as a heat source quietly and efficiently. Two independent refrigeration circuits, which are connected via an intelligent

Cascade controls are combined in a single housing and can be connected either in parallel or in series. This enables a water-side spread of up to 0 Kelvin. The scroll compressors with stepless power adjustment combined with the natural refrigerant R290 ensure a flow temperature of up to 72 °C. This ensures a high degree of efficiency at Lower consumption costs.



65% renewable energy share according to GEG*:

For buildings with a heating energy requirement of up to 300,000 kWh or a calculated heating load of 172 kW, the legal minimum requirement according to GEG (as of 2024) can be met with our WP Max-AirMono F67.

* Exemplary calculation based on 51.7 kW at A-7/ W55. The calculation does not claim to be complete or accurate.

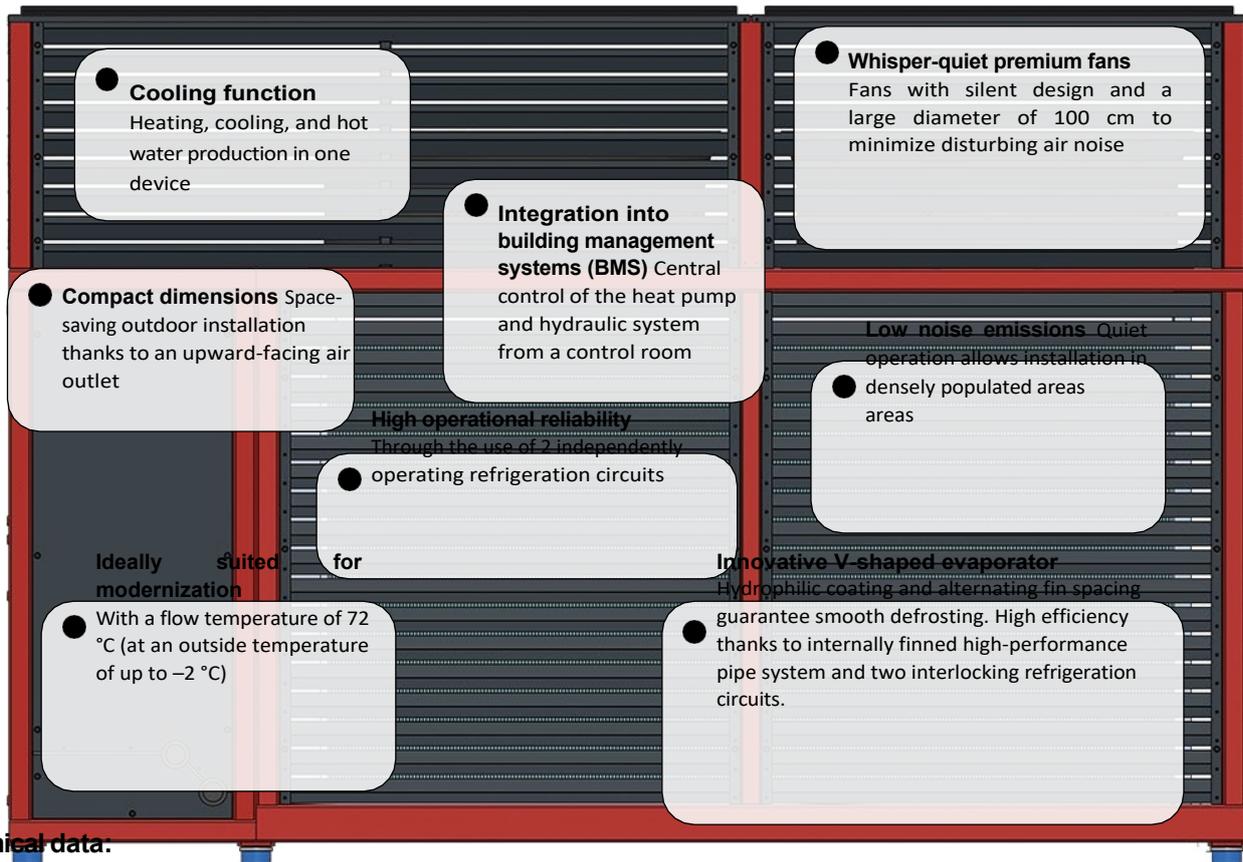
to be generated via the heat pump. Cascading is possible at any time if higher output is required.

The ratiotherm modular system

A fully coordinated, future-proof system

Thanks to the close link between development and in-house production of ratiotherm heat pumps and components, owners of a ratiotherm heat pump can rely on a sophisticated and sustainable overall system with high efficiency in heat generation. An Oskar® stratified storage tank in the WPS heat pump storage tank version is the ideal complement to the efficient WP Max-AirMono F67. This type of storage tank is specially designed for use with power-controlled generators and, thanks to its hydraulic design, allows the heat produced to be transferred directly to the heating circuit. As a valuable addition, the ratiotherm central controller also supports the function and efficiency of the heat pump. The components communicate intelligently with each other, providing only the heat that is actually needed at the temperature level that is really necessary.

The advantages of such a system at a glance



Technical data:

WP Max-AirMono F67		Maximum flow temperature (down to -2 °C)	72 °C
Heating performance data (L2/W35)	13.7 to 82.0 kW	Dimensions (L x W x H):	3301 x 1400 x 2343 mm
Cooling performance data (W15/A40)	10.0 to 78.0 kW	Weight	1080 kg
Refrigeration circuit		Sound power of outdoor unit at rated heat output, Measurement based on EN 12102/EN ISO 3744, Rated sound power level at A7/W55:	
• Number of refrigeration circuits	2	• ErP	56.1 dB(A)
• Number of compressors	2	• Maximum	67.9 dB(A)
• Refrigerant	R290	• Noise-reduced operation	58.8 dB(A)
• Filling quantity	2 x 4.9 kg		
• Global warming potential GWP	0.02		
• Space heating energy efficiency	• 192.2% (VL 35 °C) • 158.6% (VL 55 °C)		

The WP Max-AirMono F67 impresses

- Heating, cooling, and hot water preparation with one device
- Bivalent operation possible with existing heat generator
- For large single-family and multi-family homes as well as commercial applications
- Suitable for modernization with a flow temperature of 72 °C
- Active cooling via the heating circuits in summer
- Maximum flexibility thanks to speed-controlled inverter operation
- Demand-based power adjustment via electronic expansion valves
- Economizer to increase the COP
- Power-to-heat and smart grid capable
- Use of natural refrigerant R290
- Compact dimensions for space-saving outdoor installation
- Multi-coated, weather-resistant housing
- Easy installation thanks to complete pre-assembly at the factory, no refrigeration certificate required

Your advantages at a glance

For users

- High-quality, coordinated components ensure maximum efficiency in heat transfer and minimum energy consumption
- Easy to maintain thanks to online maintenance and fault monitoring at the customer's request
- Noise emissions are hardly an issue thanks to the sophisticated technical design of the exterior
- Smart grid/smart home/PV-ready

For tradespeople and installation companies

- Easy integration into the customer's existing heating system
- Perfectly suited for renovation in existing buildings
- Easy installation thanks to complete pre-assembly at the factory
- ratiotherm covers the entire portfolio of renewable heating technology
- Convenient commissioning by our service team on request
- Online monitoring and remote access to the entire system possible

For the environment and the energy transition

- CO₂reduction for progress in the heat transition
- Conservation of existing resources through significant energy savings
- Shifting of generation peaks towards heat (Power-2-Heat) possible

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