

MULTIBETON's efficient,  
quiet and  
reliable heat pumps

warm<sup>ondo</sup>

**Quality ist the best guarantee.**



Heating & Cooling

Efficient & Eligible for Subsidies

Online Service & Warranty

Perfect for Renovations

Quiet, Reliable, and Smart

Touch, Wi-Fi, and App

Hybrid-Compatible

Renewable Energy

**MULTIBETON**



## The Warmondo

"The efficient, quiet, and reliable heat pumps from MULTIBETON."

The Warmondos are a specially designed product that meets our high MULTIBETON standards. During the production of both the outdoor and indoor units, extensive testing is conducted to ensure efficiency, quality, and durability.

### Heating & Cooling

Using only a small amount of electricity, MULTIBETON's Warmondo heat pumps can generate a considerable amount of heat or cooling. Warmondo units are a prime example of efficiency in modern heating and cooling technology.

The principle is as simple as it is amazing: As an air-to-water heat pump, Warmondo uses the energy from the ambient air and converts it into heat or cooling for your home. This process enables Warmondo to deliver more energy than it consumes.

### Efficient & Eligible for Subsidies

Warmondo air-to-water heat pumps from MULTIBETON achieve the same efficiency levels in buildings with radiators as other air-to-water heat pumps in new buildings with underfloor heating. This is ensured by various technical refinements and innovations:

- Innovative optimization of fluid dynamics
- Double structure-borne sound decoupling
- Pressure-loss-optimized evaporator geometry
- Demand-based and predictive speed control (inverter)

The natural refrigerant propane (R290) used in the Warmondo heat pump is characterized by its excellent environmental profile and extremely low carbon footprint. It fully complies with the environmental requirements of the F-Gas Regulation.

Warmondo heat pumps are listed by BAFA in Germany and are eligible for subsidies.

### Online Service & Warranty

If something ever goes wrong, our online service is here to support you for the entire lifespan of your Warmondo heat pump. You receive a 5-year warranty on key components such as the compressor and heat exchanger.

### Perfect for renovations

Flow temperatures of up to 75 °C (without additional electric heating) make the Warmondo air-to-water heat pump a cost-effective solution even for retrofitting older buildings, where high flow temperatures are required for the heating system (e.g., radiators).

### Quiet, Reliable and Smart

Thanks to its intelligent design and the careful selection of high-quality components, our Warmondo heat pump is whisper-quiet – ideal for residential areas and installation close to the home.

The proprietary algorithm adapts to the building's actual heating and cooling demand to ensure high energy efficiency and low noise levels.

The refrigerant concentration inside the heat pump is continuously monitored. If it reaches or exceeds the specified safety threshold, an alarm is triggered and the power supply is immediately shut off.

Furthermore, a wide range of influencing factors are recorded and processed within an intelligent control network. And best of all: our smartphone app and remote maintenance portal ensure quick diagnostics and easy operation.



Warmondo in 6, 9, 13 und 16 kW



Full sheet metal trim in matte black (RAL 9005)





WM-HDS Hydraulic Station

#### Central control

The Warmondo hydraulic station is wall-mounted, compact, and powerful. It can be flexibly combined with an adjacent hot water and buffer storage tank. This allows for larger buffer volumes to be implemented, enabling optimal integration of a photovoltaic system or bridging during power outages.

#### Touch, Wi-Fi and App

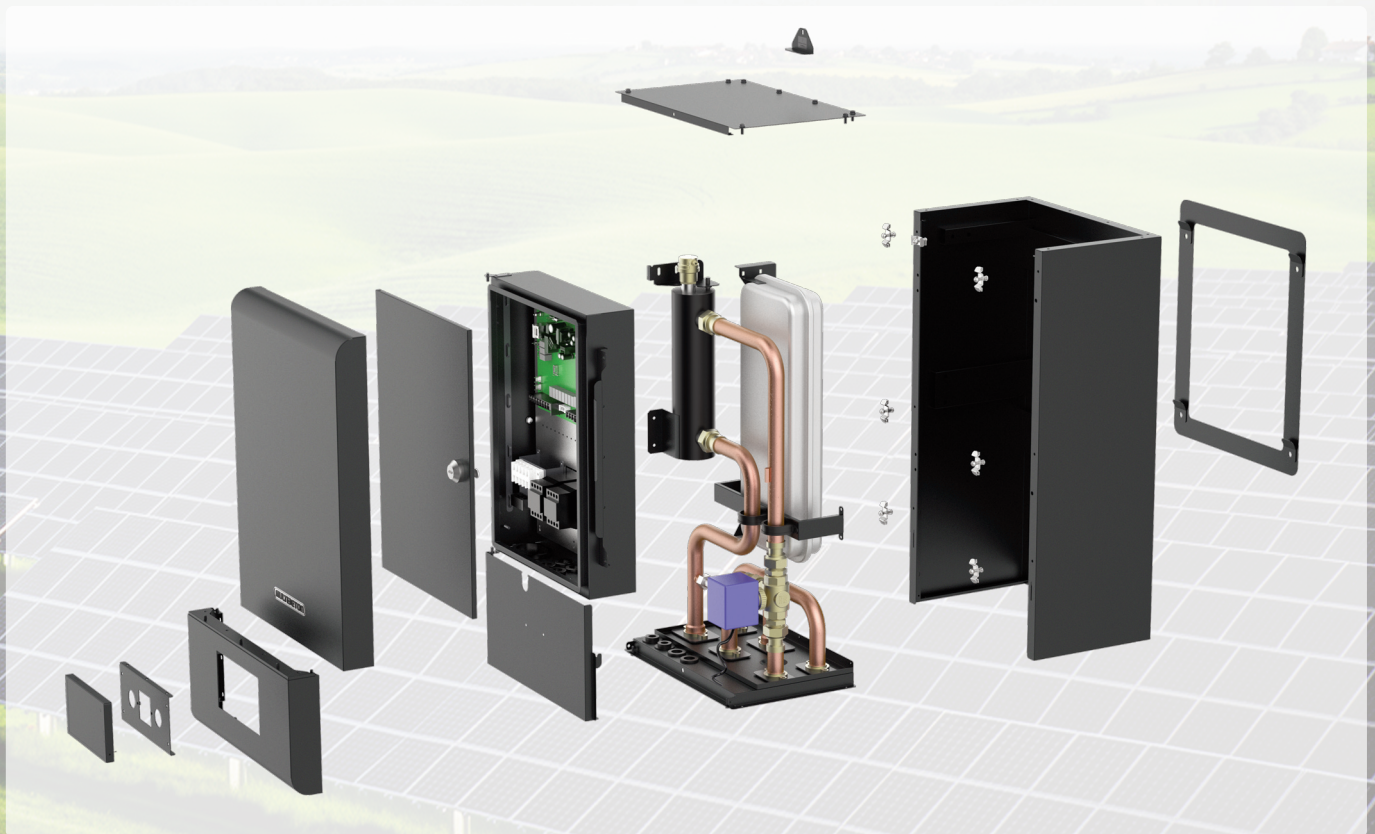
The hydraulic station features an intuitive touchscreen interface with controls designed to blend seamlessly into the building's interior, a high-quality color display, and the option of internet connectivity via Wi-Fi. Warmondo heat pumps can be controlled via the hydraulic station using an app.

#### Standard & Hybrid Systems

If the heat pump's outdoor unit ever fails, the Warmondo hydraulic station is equipped with an electric backup heater. This ensures your home stays warm while the installer's emergency service comes to assist you.

#### Renewable Energy

The hydraulic station is designed to integrate additional renewable energy sources, such as solar power, via the buffer tank. The buffer tank can be combined with a fresh water station. The fresh water station is a compact unit for hygienic hot water production. Drinking water is heated only on demand, for example, when hot water storage is not desired for energy-saving reasons.



Structure of the WM-HDS Hydraulic Station



## Technical Specifications

### Heat pump

Performance rating (A2/W35)  
 Rated heating capacity (EN 14511)  
 SCOP (EN 14825)  
 Energy efficiency class (EN 14825)  
 Sound pressure level at 1 m

### Heating

Heating capacity (A2/W35)  
 Power consumption  
 Operating current  
 Max. power consumption  
 Max. operating current  
 Heating capacity variable (A7/W35)  
 Heating capacity variable (A2/W35)  
 Heating capacity variable (A-7/W35)  
 Heating capacity variable (A-7/W55)  
 Max. supply water temperature  
 Outdoor temperature

Power supply  
 Nominal water flow rate  
 Compressor  
 Circulation pump  
 Water heat exchanger  
 Air heat exchanger  
 Fan/fan motor  
 Controller  
 Refrigerant  
 Supply/return connections  
 Protection rating  
 Protection class  
 Net weight  
 Unit dimensions (L x W x H)

### Cooling

Cooling capacity  
 Power consumption  
 Operating current  
 EER  
 Cooling capacity variable (A35/W15)  
 Cooling capacity variable (A35/W7)

| WM-S                                                  | WM-M           | WM-L                   | WM-XL           |
|-------------------------------------------------------|----------------|------------------------|-----------------|
| 6 kW                                                  | 9 kW           | 13 kW                  | 16 kW           |
| 4.9 kW                                                | 7.1 kW         | 10.0 kW                | 12.9 kW         |
| 5.08                                                  | 5.05           | 5.05                   | 5.07            |
| A+++/A++                                              |                |                        |                 |
| 31 dB(A)                                              | 38 dB(A)       | 39 dB(A)               | 38 dB(A)        |
| 5.97 kW                                               | 8.48 kW        | 12.76 kW               | 15.28 kW        |
| 1.51 kW                                               | 2.20 kW        | 3.30 kW                | 4.04 kW         |
| 6.67 A                                                | 9.40 A         | 4.83 A                 | 5.93 A          |
| 2.80 kW                                               | 4.50 kW        | 5.40 kW                | 5.80 kW         |
| 14.40 A                                               | 19.80 A        | 8.25 A                 | 8.90 A          |
| 2.84 - 6.30 kW                                        | 4.04 - 8.99 kW | 5.51 - 13.15 kW        | 6.86 - 16.37 kW |
| 2.69 - 5.97 kW                                        | 3.82 - 8.48 kW | 5.42 - 12.76 kW        | 6.48 - 15.28 kW |
| 2.29 - 5.69 kW                                        | 3.26 - 8.10 kW | 4.63 - 11.75 kW        | 5.53 - 14.03 kW |
| 2.22 - 5.52 kW                                        | 3.16 - 7.85 kW | 4.40 - 11.17 kW        | 5.15 - 13.07 kW |
| 75 °C                                                 |                |                        |                 |
| -25 to +43 °C                                         |                |                        |                 |
| 230 V/1~/50 Hz                                        | 230 V/1~/50 Hz | 400 V/3~/50 Hz         | 400 V/3~/50 Hz  |
| 1.03 m³/h                                             | 1.55 m³/h      | 2.20 m³/h              | 2.75 m³/h       |
| MITSUBISHI® reciprocating compressor                  |                |                        |                 |
| Wilo® Para direct current                             |                |                        |                 |
| Brazen plate heat exchanger (BPHE)                    |                |                        |                 |
| Copper tube heat exchanger with aluminum fins (CTAFC) |                |                        |                 |
| Axial/DC                                              |                |                        |                 |
| 7-inch IPS 600×1024 color touchscreen display         |                |                        |                 |
| R290                                                  |                |                        |                 |
| 5/4"                                                  |                |                        |                 |
| IPX4                                                  |                |                        |                 |
| I                                                     |                |                        |                 |
| 146 kg                                                | 160 kg         | 205 kg                 | 212 kg          |
| 1,102 × 557 × 1,021 mm                                |                | 1,377 × 557 × 1,021 mm |                 |
| 4.91 kW                                               | 6.96 kW        | 9.13 kW                | 11.80 kW        |
| 1.60 kW                                               | 2.23 kW        | 2.99 kW                | 3.78 kW         |
| 7.03 A                                                | 9.79 A         | 4.55 A                 | 5.81 A          |
| 4.32                                                  | 4.31           | 4.34                   | 4.38            |
| 2.41 - 5.35 kW                                        | 4.02 - 7.66 kW | 4.50 - 10.00 kW        | 5.59 - 12.42 kW |
| 2.21 - 4.91 kW                                        | 3.65 - 6.96 kW | 4.28 - 9.52 kW         | 5.28 - 11.74 kW |
| <b>Hydraulic station</b>                              |                |                        |                 |
| Max. heating capacity                                 |                |                        |                 |
| Power supply                                          |                |                        |                 |
| Max. operating current                                |                |                        |                 |
| Max. flow temperature                                 |                |                        |                 |
| Connections for supply/return                         |                |                        |                 |
| Connections for domestic hot water                    |                |                        |                 |
| Connections for heating water                         |                |                        |                 |
| Sound pressure level at 1 m                           |                |                        |                 |
| Unit dimensions (L x W x H)                           |                |                        |                 |
| Net weight                                            |                |                        |                 |
| Protection rating                                     |                |                        |                 |
| Protection class                                      |                |                        |                 |
| <b>WM-HDS</b>                                         |                |                        |                 |
| 9 kW                                                  |                |                        |                 |
| 400 V/3~/50 Hz                                        |                |                        |                 |
| 13.7 A                                                |                |                        |                 |
| 75 °C                                                 |                |                        |                 |
| 5/4"                                                  |                |                        |                 |
| 1"                                                    |                |                        |                 |
| 1"                                                    |                |                        |                 |
| 30 dB(A)                                              |                |                        |                 |
| 418 × 310 × 750 mm                                    |                |                        |                 |
| 35 kg                                                 |                |                        |                 |
| IPX1                                                  |                |                        |                 |
| I                                                     |                |                        |                 |