

+ PRODUCT

- RCW31 controller included
- Water temperature up to 85°C
- DHW temperature up to 70°C
- Cascade up to 6 units

WELLEA M DF HT

Monoblock heat pump

HEATING **A+++** FLUID **R290** **SG Ready**

Connectivity



Technology



User functions



Installer functions



Heating



RCW31 included

+ “SUSTAINABLE DEVELOPMENT”

- Energy savings thanks to A+++ energy class.
- Maintains performance down to -10°C without the need for an electrical back-up.
- Natural refrigerant with low environmental impact, GWP=3.

+ “USER”

- Ideal for replacing a gas or fuel oil boiler.
- Keeps your cast iron radiators at a water temperature of 75°C.
- Quiet operation.



+ “INSTALLER”

- Customisable water program.
- High temperature up to 85°C.
- Specific anti-corrosion treatment.
- Cascade operation up to 210 kW.

+ “TECHNOLOGY”

- R290 EVI compressor.
- Works down to an outdoor of -25°C.
- HP Keymark certified, guaranteed performance..

TECHNICAL DATA

| OUTDOOR UNIT | | | BDHX-260R-04T35 | BDHX-300R-04T35 | BDHX-350R-04T35 | BDHX-400R-04T35 |
|-------------------------------------------------------------------------------------------------------------|----------------------|---------------|------------------|-----------------|-----------------|-----------------|
| Part number | | | 7MB140030 | 7MB140031 | 7MB140032 | 7MB140033 |
| Phase | | | Three-phase | Three-phase | Three-phase | Three-phase |
| HEATING MODE | | | | | | |
|  Air +7°C Water 30/35°C | Heating capacity | kW | 26.00 | 30.00 | 35.00 | 39.00 |
| | Power input | kW | 5.45 | 6.67 | 8.40 | 9.75 |
| | COP | | 4.77 | 4.50 | 4.17 | 4.00 |
| Air -7°C Water 30/35°C | Heating capacity | kW | 26.06 | 29.04 | 33.15 | 33.65 |
| | Power input | kW | 10.62 | 11.60 | 14.46 | 12.84 |
| | COP | | 2.45 | 2.50 | 2.29 | 2.62 |
| Air +7°C Water 47/55°C | Heating capacity | kW | 26.00 | 30.00 | 35.00 | 39.00 |
| | Power input | kW | 7.85 | 9.57 | 11.75 | 14.00 |
| | COP | | 3.31 | 3.13 | 2.98 | 2.79 |
| Air -7°C Water 47/55°C | Heating capacity | kW | 27.43 | 30.22 | 34.90 | 36.52 |
| | Power input | kW | 13.35 | 15.14 | 18.18 | 16.37 |
| | COP | | 2.05 | 2.00 | 1.92 | 2.23 |
| Air +7°C Water 55/70°C | Heating capacity | kW | 26.00 | 30.00 | 35.00 | 39.00 |
| | Power input | kW | 10.61 | 12.20 | 14.90 | 14.00 |
| | COP | | 2.45 | 2.46 | 2.35 | 2.79 |
| Air -7°C Water 55/70°C | Heating capacity | kW | 28.63 | 31.54 | 36.42 | 38.01 |
| | Power input | kW | 16.11 | 18.26 | 21.93 | 20.75 |
| | COP | | 1.78 | 1.73 | 1.66 | 1.83 |
| Air +7°C Water 65/80°C | Heating capacity | kW | 25.80 | 28.43 | 32.82 | 36.58 |
| | Power input | kW | 11.37 | 12.89 | 16.83 | 19.75 |
| | COP | | 2.27 | 2.20 | 1.95 | 1.85 |
| Air -7°C Water 65/80°C | Heating capacity | kW | 24.32 | 26.80 | 30.94 | 33.70 |
| | Power input | kW | 15.43 | 17.49 | 21.00 | 24.42 |
| | COP | | 1.58 | 1.53 | 1.47 | 1.38 |
| COOLING MODE | | | | | | |
|  Air 35°C Water 12/7°C | Cooling capacity | kW | 26.00 | 30.00 | 32.00 | 32.00 |
| | Power input | kW | 8.40 | 10.70 | 11.98 | 11.98 |
| | EER | | 3.10 | 2.80 | 2.67 | 2.67 |
| Air 35°C Water 23/18°C | Cooling capacity | kW | 26.00 | 30.00 | 35.00 | 39.00 |
| | Power input | kW | 5.60 | 6.80 | 8.50 | 9.85 |
| | EER | | 4.64 | 4.41 | 4.12 | 3.96 |
| PERFORMANCE | | | | | | |
| Energy label (average climate) | Water outlet to 35°C | classe | A+++ | | | A++ |
| | Water outlet to 55°C | classe | A+++ | A++ | | |
| Seasonal efficiency (average climate) | Water outlet to 35°C | % | 195 | 194 | 176 | 170 |
| | Water outlet to 55°C | % | 150 | 148 | 142 | 135 |
| SCOP (average climate) | Water outlet to 35°C | | 4.95 | 4.92 | 4.48 | 3.84 |
| | Water outlet to 55°C | | 3.84 | 3.79 | 3.63 | 3.00 |
| Sound level | | dB(A) | 69 | 74 | 75 | 76 |
| Sound pressure level (1m) | | dB(A) | 55 | 61 | 62 | 62 |
| Sound level quiet mode | | dB(A) | 62 | 62 | 63.5 | 65 |
| Sound pressure level quiet mode (1m) | | dB(A) | 45 | 47 | 48 | 50.5 |
| Sound pressure level quiet mode (2m) | | dB(A) | 45 | 47 | 48 | 48.5 |
| OPERATING LIMITS | | | | | | |
| Outdoor air temperature | Cooling | °C | -15/48 | | | |
| | Heating | °C | -25/43 | | | |
| | Domestic hot water | °C | -25/43 | | | |
| POWER SUPPLY | | | | | | |
| Phase/Voltage/Frequentie | | | 3P/380-415V/50Hz | | | |
| Power cable section | mm ² | 5G6 | 5G10 | 5G10 | 5G10 | |
| Fuse rating am | A | 32 | 32 | 40 | 40 | |
| Remote controller connection (shielded) | mm ² | 2x0.75 | 2x0.75 | 2x0.75 | 2x0.75 | |
| INSTALLATION AND OTHERS | | | | | | |
| Airflow | m ³ /h | 11000 | | | | |
| Refrigerant/GWP | | R290/3 | | | | |
| Charge | kg | 2.9 | | | | |
| Outline dimensions (WxHxD) | mm | 1384x1816x523 | | | | |
| Package dimensions (WxHxD) | mm | 1480x2000x570 | | | | |
| Net weight/Gross weight | kg | 260/285 | | | | |
| Pipe diameter (water) | inches | R1-1/4" | | | | |

25-AW-PRODUCT LEAFLET-WELLEA M DF HT-EN-0825 - GROUPE AIRWELL SA - Specifications subject to change without notice. Pictures non contractual. Printed in UE. 