

## Subtype MONO AWHP3R 8

|                     |                              |
|---------------------|------------------------------|
| Certificate Holder  | BDR Thermea FR (DE DIETRICH) |
| Address             | 57 rue de la Gare            |
| ZIP                 | 67580                        |
| City                | Mertzwiller                  |
| Country             | FR                           |
| Certification Body  | ICIM S.p.A.                  |
| Subtype title       | MONO AWHP3R 8                |
| Registration number | ICIM-PDC-000315              |
| Heat Pump Type      | Outdoor Air/Water            |
| Refrigerant         | R290                         |
| Mass of Refrigerant | 1.1 kg                       |
| Certification Date  | 12.02.2025                   |
| Testing basis       | V12                          |

## Model MONO AWHP3R 8 MR

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | MONO AWHP3R 8 MR      |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Reversibility                       | Yes                   |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

|                               |        |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test                  | passed |
| Starting and operating test   | passed |

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.50 kW         | 8.00 kW            |
| El input    | 1.71 kW         | 2.52 kW            |
| COP         | 4.98            | 3.18               |

### EN 14825 | Average Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 205.1 %         | 152.7 %            |
| Prated         | 8.00 kW         | 7.80 kW            |
| SCOP           | 5.20            | 3.89               |
| Tbiv           | -7.00 °C        | -7.00 °C           |
| TOL            | -10.00 °C       | -10.00 °C          |
| Pdh Tj = -7°C  | 7.39 kW         | 6.95 kW            |
| COP Tj = -7°C  | 3.11            | 2.36               |
| Cdh Tj = -7 °C | 1.00            | 1.00               |
| Pdh Tj = +2°C  | 4.27 kW         | 4.09 kW            |
| COP Tj = +2°C  | 5.12            | 3.83               |
| Cdh Tj = +2 °C | 1.00            | 1.00               |
| Pdh Tj = +7°C  | 3.66 kW         | 3.47 kW            |
| COP Tj = +7°C  | 6.85            | 5.05               |
| Cdh Tj = +7 °C | 0.98            | 0.99               |
| Pdh Tj = 12°C  | 4.33 kW         | 4.03 kW            |
| COP Tj = 12°C  | 8.90            | 6.41               |

|   |                 |                    |
|---|-----------------|--------------------|
| Cdh Tj = +12 °C                                     | 0.98            | 0.99               |
| Pdh Tj = Tbiv                                       | 7.39 kW         | 6.95 kW            |
| COP Tj = Tbiv                                       | 3.11            | 2.36               |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.00 kW         | 7.71 kW            |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59            | 2.02               |
| WTOL  | 75.00 °C        | 75.00 °C           |
| Poff  | 8.90 W          | 8.90 W             |
| PTO   | 9.00 W          | 9.00 W             |
| PSB   | 8.90 W          | 8.90 W             |
| PCK   | 0.00 W          | 0.00 W             |
| Supplementary Heater: Type of energy input          | Electricity     | Electricity        |
| Supplementary Heater: PSUP                          | 0.00 kW         | 0.09 kW            |
| Annual energy consumption Qhe                       | 3176 kWh        | 4140 kWh           |
| EN 12102-1   Warmer Climate                         |                 |                    |
|   | Low temperature | Medium temperature |
| Sound power level outdoor                           | 49 dB(A)        | 49 dB(A)           |