

Subtype MONO AWHP3R 4/6

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|---------------------|------------------------------|
| 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 4/6 |
| Registration number | ICIM-PDC-000314 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 0.7 kg |
| Certification Date | 12.02.2025 |
| Testing basis | V12 |

Model MONO AWHP3R 4 MR

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|-------------------------------------|-----------------------|
| Model name | MONO AWHP3R 4 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 | 4.40 kW | 4.40 kW |
| El input | 0.85 kW | 1.36 kW |
| COP | 5.17 | 3.24 |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 210.4 % | 156.7 % |
| Prated | 5.30 kW | 4.90 kW |
| SCOP | 5.34 | 3.99 |
| Tbiv | -7.00 °C | -7.00 °C |
| TOL | -10.00 °C | -10.00 °C |
| Pdh Tj = -7°C | 4.64 kW | 4.42 kW |
| COP Tj = -7°C | 3.40 | 2.59 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.89 kW | 2.72 kW |
| COP Tj = +2 °C | 5.29 | 3.94 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.73 kW | 2.55 kW |
| COP Tj = +7 °C | 6.74 | 4.94 |
| Cdh Tj = +7 °C | 0.98 | 1.00 |
| Pdh Tj = 12°C | 3.14 kW | 3.01 kW |
| COP Tj = 12°C | 8.54 | 6.44 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.64 kW | 4.42 kW |
| COP Tj = Tbiv | 3.40 | 2.59 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.30 kW | 4.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.01 | 2.27 |
| WTOL | 75.00 °C | 75.00 °C |
| Poff | 8.70 W | 8.70 W |
| PTO | 10.00 W | 10.00 W |
| PSB | 8.70 W | 8.70 W |
| PCK | 0.00 W | 0.00 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.10 kW |
| Annual energy consumption Qhe | 2052 kWh | 2535 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 48 dB(A) | 48 dB(A) |

Model MONO AWHP3R 6 MR

| | |
|-------------------------------------|-----------------------|
| Model name | MONO AWHP3R 6 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 | 6.26 kW | 6.10 kW |
| El input | 1.28 kW | 1.91 kW |
| COP | 4.89 | 3.20 |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 205.8 % | 152.9 % |
| Prated | 6.40 kW | 6.10 kW |
| SCOP | 5.22 | 3.90 |
| Tbiv | -7.00 °C | -7.00 °C |
| TOL | -10.00 °C | -10.00 °C |
| Pdh Tj = -7°C | 5.63 kW | 5.40 kW |
| COP Tj = -7°C | 3.04 | 2.40 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.70 kW | 3.13 kW |
| COP Tj = +2°C | 5.20 | 3.79 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.74 kW | 2.58 kW |
| COP Tj = +7°C | 6.95 | 5.15 |
| Cdh Tj = +7 °C | 0.98 | 1.00 |
| Pdh Tj = 12°C | 3.14 kW | 3.02 kW |
| COP Tj = 12°C | 8.64 | 6.53 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 5.63 kW | 5.40 kW |
| COP Tj = Tbiv | 3.04 | 2.40 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.76 kW | 5.37 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.00 | 2.25 |
| WTOL | 75.00 °C | 75.00 °C |
| Poff | 8.70 W | 8.70 W |
| PTO | 10.00 W | 10.00 W |
| PSB | 8.70 W | 8.70 W |
| PCK | 0.00 W | 0.00 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.64 kW | 0.73 kW |
| Annual energy consumption Qhe | 2533 kWh | 3233 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 48 dB(A) | 48 dB(A) |