

## Subtype Jäspi Inverter M8

|                     |                   |
|---------------------|-------------------|
| Certificate Holder  | Kaukora           |
| Address             | Tuotekatu 11      |
| ZIP                 | FI-21200          |
| City                | Raisio            |
| Country             | FI                |
| Certification Body  | RISE CERT         |
| Subtype title       | Jäspi Inverter M8 |
| Registration number | 012-SC0651-18     |
| Heat Pump Type      | Outdoor Air/Water |
| Refrigerant         | R410A             |
| Mass of Refrigerant | 2.6 kg            |

## Model Jäspi Inverter M8

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Jäspi Inverter M8     |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | n/a                   |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 1x230V 50Hz |
| Off-peak product | No          |

## Outdoor Air/Water EN 14511-4 | Heating

|                                            |        |
|--------------------------------------------|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure              | passed |
| Defrost test                               | passed |

## EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 3.86 kW         | 3.50 kW            |
| El input    | 0.83 kW         | 1.17 kW            |
| COP         | 4.65            | 2.99               |

## EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 54 dB(A)        | 54 dB(A)           |

## EN 14825 | Average Climate

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 172 %           | 127 %              |
| Prated        | 8.20 kW         | 7.00 kW            |
| SCOP          | 4.37            | 3.25               |
| Tbiv          | -8 °C           | -9 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.40 kW         | 6.30 kW            |
| COP Tj = -7°C | 2.92            | 1.94               |
| Pdh Tj = +2°C | 4.50 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.30            | 3.11               |
| Pdh Tj = +7°C | 2.90 kW         | 2.60 kW            |
| COP Tj = +7°C | 5.41            | 4.42               |
| Pdh Tj = 12°C | 3.50 kW         | 3.70 kW            |
| COP Tj = 12°C | 6.51            | 5.93               |
| Pdh Tj = Tbiv | 7.40 kW         | 6.60 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = Tbiv                                       | 2.86        | 1.83        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.80 kW     | 5.90 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67        | 1.86        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.96        | 0.97        |
| WTOL                                                | 58 °C       | 58 °C       |
| Poff                                                | 2 W         | 2 W         |
| PTO                                                 | 15 W        | 10 W        |
| PSB                                                 | 15 W        | 15 W        |
| PCK                                                 | 20 W        | 20 W        |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.40 kW     | 1.10 kW     |
| Annual energy consumption Qhe                       | 3882 kWh    | 4447 kWh    |