

Subtype BoxAir Inverter BA26I

|                     |   |
|---------------------|---|
| Certificate Holder  | Master Therm tepelna cernadla s.r.o.  |
| Address             | Vaclavske namesti 819/43  |
| ZIP                 | 110 00  |
| City                | Praha   |
| Country             | CZ  |
| Certification Body  | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |
| Subtype title       | BoxAir Inverter BA26I   |
| Registration number | 037-0064-21   |
| Heat Pump Type      | Outdoor Air/Water   |
| Refrigerant         | R32   |
| Mass of Refrigerant | 1.7 kg  |
| Certification Date  | 26.01.2021  |
| Testing basis       | HP Keymark scheme rules rev. no. 7  |
| Testing laboratory  | SZU Brno, CZ  |

**Model BoxAir Inverter BA26I**

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | BoxAir Inverter BA26I |
| 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 | 5.47 kW         | 5.04 kW            |
| El input    | 1.12 kW         | 1.59 kW            |
| COP         | 4.90            | 3.17               |

**EN 12102-1 | Average Climate**

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 53 dB(A)        | 53 dB(A)           |

**EN 14825 | Average Climate**

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 183 %           | 135 %              |
| Prated         | 6.47 kW         | 6.03 kW            |
| SCOP           | 4.66            | 3.45               |
| Tbiv           | -7 °C           | -7 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 5.72 kW         | 5.34 kW            |
| COP Tj = -7°C  | 2.77            | 2.03               |
| Cdh Tj = -7 °C | 0.90            | 0.90               |
| Pdh Tj = +2°C  | 3.54 kW         | 3.33 kW            |
| COP Tj = +2°C  | 4.41            | 3.32               |
| Cdh Tj = +2 °C | 0.90            | 0.90               |
| Pdh Tj = +7°C  | 2.22 kW         | 1.98 kW            |

|   |             |             |
|---|-------------|-------------|
| COP Tj = +7°C                                       | 6.70        | 4.86        |
| Cdh Tj = +7 °C                                      | 0.90        | 0.90        |
| Pdh Tj = 12°C                                       | 2.58 kW     | 2.40 kW     |
| COP Tj = 12°C                                       | 8.24        | 6.11        |
| Cdh Tj = +12 °C                                     | 0.94        | 0.95        |
| Pdh Tj = Tbiv                                       | 5.72 kW     | 5.34 kW     |
| COP Tj = Tbiv                                       | 2.79        | 2.03        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.09 kW     | 5.36 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59        | 1.76        |
| WTOL  | 60 °C       | 60 °C       |
| Poff  | 19 W        | 19 W        |
| PTO   | 19 W        | 19 W        |
| PSB   | 19 W        | 19 W        |
| PCK   | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.38 kW     | 0.67 kW     |
| Annual energy consumption Qhe                       | 2868 kWh    | 3607 kWh    |