

## Subtype Intelligent Inverter Heat Pump 23 R32

|                     |                                       |
|---------------------|---------------------------------------|
| Certificate Holder  | FoxAIR Sp z.o.o.                      |
| Address             | ul. Konarskiego 18C                   |
| ZIP                 | 44-100                                |
| City                | Gliwice                               |
| Country             | PL                                    |
| Certification Body  | BRE Global Limited                    |
| Subtype title       | Intelligent Inverter Heat Pump 23 R32 |
| Registration number | 041-K041-03                           |
| Heat Pump Type      | Outdoor Air/Water                     |
| Refrigerant         | R32                                   |
| Mass of Refrigerant | 2 kg                                  |
| Certification Date  | 12.01.2023                            |
| Testing basis       | Heat Pump Keymark Scheme Rules Rev 11 |

## Model BL-23-3

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | BL-23-3               |
| 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     | 3x400V 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 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 61 dB(A)        | 61 dB(A)           |

## EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 180 %           | 131 %              |
| Prated          | 12.74 kW        | 14.44 kW           |
| SCOP            | 4.57            | 3.34               |
| Tbiv            | -7 °C           | -7 °C              |
| TOL             | -10 °C          | -10 °C             |
| Pdh Tj = -7°C   | 11.27 kW        | 12.77 kW           |
| COP Tj = -7°C   | 3.32            | 2.26               |
| Cdh Tj = -7 °C  | 0.990           | 0.990              |
| Pdh Tj = +2°C   | 6.88 kW         | 7.82 kW            |
| COP Tj = +2°C   | 4.33            | 3.17               |
| Cdh Tj = +2 °C  | 0.990           | 0.990              |
| Pdh Tj = +7°C   | 8.12 kW         | 6.99 kW            |
| COP Tj = +7°C   | 5.63            | 4.20               |
| Cdh Tj = +7 °C  | 0.990           | 0.990              |
| Pdh Tj = 12°C   | 8.57 kW         | 5.89 kW            |
| COP Tj = 12°C   | 6.94            | 5.63               |
| Cdh Tj = +12 °C | 0.990           | 0.990              |
| Pdh Tj = Tbiv   | 11.27 kW        | 12.77 kW           |
| COP Tj = Tbiv   | 3.32            | 2.26               |

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.79 kW    | 14.54 kW    |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.02        | 1.97        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990       | 0.990       |
| WTOL  | 56 °C       | 56 °C       |
| Poff  | 23 W        | 23 W        |
| PTO   | 23 W        | 23 W        |
| PSB   | 23 W        | 23 W        |
| PCK   | 58 W        | 58 W        |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.00 kW     | 0.00 kW     |
| Annual energy consumption Qhe                       | 5756 kWh    | 8931 kWh    |