

## Subtype Johnson ASHP 080

|                     |   |
|---------------------|---|
| Certificate Holder  | EAS Electric Smart Technology SL.                       |
| Address             | Poligono Industrial San Carlos Parcela 13 03370 Redovan |
| ZIP                 |   |
| City                | Alicante  |
| Country             | ES  |
| Certification Body  | BRE Global Limited                                      |
| Subtype title       | Johnson ASHP 080  |
| Registration number | 041-K066-10   |
| Heat Pump Type      | Outdoor Air/Water                                       |
| Refrigerant         | R32   |
| Mass of Refrigerant | 1.25 kg   |
| Certification Date  | 06.10.2023  |
| Testing basis       | Heat Pump Keymark Scheme Rules Rev 12                   |

## Model Johnson AURUM80M

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | Johnson AURUM80M      |
| 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 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 63 dB(A)        | 63 dB(A)           |

### EN 14825 | Average Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| $\eta_s$        | 180 %           | 126 %              |
| Prated          | 5.22 kW         | 5.03 kW            |
| SCOP            | 4.58            | 3.23               |
| Tbiv            | -7 °C           | -7 °C              |
| TOL             | -10 °C          | -10 °C             |
| Pdh Tj = -7°C   | 4.62 kW         | 4.45 kW            |
| COP Tj = -7°C   | 3.03            | 2.14               |
| Cdh Tj = -7 °C  | 0.900           | 0.900              |
| Pdh Tj = +2°C   | 2.92 kW         | 2.80 kW            |
| COP Tj = +2°C   | 4.51            | 3.22               |
| Cdh Tj = +2 °C  | 0.900           | 0.900              |
| Pdh Tj = +7°C   | 2.04 kW         | 1.75 kW            |
| COP Tj = +7°C   | 6.03            | 3.90               |
| Cdh Tj = +7 °C  | 0.900           | 0.900              |
| Pdh Tj = 12°C   | 2.06 kW         | 2.19 kW            |
| COP Tj = 12°C   | 7.58            | 6.08               |
| Cdh Tj = +12 °C | 0.900           | 0.900              |
| Pdh Tj = Tbiv   | 4.62 kW         | 4.45 kW            |
| COP Tj = Tbiv   | 3.03            | 2.14               |

|   |             |             |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.18 kW     | 4.08 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.75        | 1.89        |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900       | 0.900       |
| WTOL  | 50 °C       | 50 °C       |
| Poff  | 8 W         | 8 W         |
| PTO   | 16 W        | 16 W        |
| PSB   | 8 W         | 8 W         |
| PCK   | 63 W        | 63 W        |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.05 kW     | 0.94 kW     |
| Annual energy consumption Qhe                       | 2357 kWh    | 3212 kWh    |