

Subtype Hi-Therma Monobloc 4kW

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|---------------------|------------------------------------------------------|
| Certificate Holder | Johnson Controls Hitachi Air-Conditioning Europe SAS |
| Address | Parc Aktiland II - 2, Rue de Lombardie |
| ZIP | 69800 |
| City | SAINT PRIEST |
| Country | FR |
| Certification Body | BRE Global Limited |
| Subtype title | Hi-Therma Monobloc 4kW |
| Registration number | 041-K064-01 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.17 kg |
| Certification Date | 14.08.2023 |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 12 |

Model HZKF04KME-Q

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|-------------------------------------|-----------------------|
| Model name | HZKF04KME-Q |
| 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 | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 204 % | 136 % |
| Prated | 4.61 kW | 4.09 kW |
| SCOP | 5.17 | 3.47 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.05 kW | 3.60 kW |
| COP Tj = -7°C | 3.26 | 2.08 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.48 kW | 2.26 kW |
| COP Tj = +2°C | 5.02 | 3.44 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 1.67 kW | 1.49 kW |
| COP Tj = +7°C | 6.70 | 4.33 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.14 kW | 1.02 kW |
| COP Tj = 12°C | 8.74 | 6.66 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 4.05 kW | 3.60 kW |
| COP Tj = Tbiv | 3.26 | 2.08 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.56 kW | 3.59 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 7 W | 7 W |
| PTO | 8 W | 8 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.05 kW | 0.48 kW |
| Annual energy consumption Qhe | 1830 kWh | 2425 kWh |