

Subtype airH2O 400 Combi 8

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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 | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | airH2O 400 Combi 8 |
| Registration number | 011-1W0844 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.05 kg |
| Certification Date | 18.07.2024 |
| Testing basis | HP KEYMARK certification scheme rules V14 |

Model HZKF08KSE-Q/HZKF08KW230E-Q

| | |
|-------------------------------------|----------------------------|
| Model name | HZKF08KSE-Q/HZKF08KW230E-Q |
| Application | Heating + DHW + low temp |
| Units | Indoor, 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 16147 | Average Climate**

| | |
|---------------------------------|-----------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 135 % |
| COP | 3.30 |
| Heating up time | 2:4 h:min |
| Standby power input | 28.0 W |
| Reference hot water temperature | 46.0 °C |
| Mixed water at 40°C | 230 l |

EN 14511-4 | Heating

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|--|--------|
| 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 | 8.02 kW | 8.02 kW |
| El input | 1.58 kW | 2.78 kW |
| COP | 5.07 | 2.88 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_S | 198 % | 135 % |

| | | |
|---|-------------|-------------|
| Prated | 6.55 kW | 6.25 kW |
| SCOP | 5.03 | 3.44 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.79 kW | 5.53 kW |
| COP Tj = -7°C | 3.10 | 1.96 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.59 kW | 3.26 kW |
| COP Tj = +2°C | 4.87 | 3.42 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.48 kW | 2.19 kW |
| COP Tj = +7°C | 6.74 | 4.56 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 2.06 kW | 2.18 kW |
| COP Tj = 12°C | 10.86 | 7.86 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 5.79 kW | 5.53 kW |
| COP Tj = Tbiv | 3.10 | 1.96 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.23 kW | 5.72 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.69 | 1.54 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 10 W | 10 W |
| PTO | 11 W | 11 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.30 kW | 0.50 kW |
| Annual energy consumption Qhe | 2690 kWh | 3754 kWh |