

Subtype Hi-Therma Split 8kW

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|---------------------|---|
| Certificate Holder | Qingdao Hisense Hitachi Air-conditioning Systems Co.,Ltd. |
| Address | Qianwangang Road |
| ZIP | 266555 |
| City | Qingdao, Shandong |
| Country | CN |
| Certification Body | BRE Global Limited |
| Subtype title | Hi-Therma Split 8kW |
| Registration number | 041-K021-02 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.26 kg |
| Certification Date | 22.11.2021 |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 08 |

Model AHW-080HCDS1+AHM-080HCDSAA

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|-------------------------------------|----------------------------|
| Model name | AHW-080HCDS1+AHM-080HCDSAA |
| Application | Heating (medium 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

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|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

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 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 | 194 % | 134 % |
| Prated | 6.54 kW | 5.88 kW |
| SCOP | 4.92 | 3.42 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.76 kW | 5.17 kW |
| COP Tj = -7°C | 3.14 | 1.85 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.52 kW | 3.16 kW |
| COP Tj = +2°C | 4.84 | 3.40 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.32 kW | 2.15 kW |
| COP Tj = +7°C | 5.98 | 4.50 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.98 kW | 2.14 kW |
| COP Tj = 12°C | 9.67 | 7.71 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 5.76 kW | 5.17 kW |

| | | |
|---|-------------|-------------|
| COP Tj = Tbiv | 3.14 | 1.85 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.16 kW | 5.67 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.66 | 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 | 10 W | 10 W |
| PCK | 1 W | 1 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.37 kW | 0.20 kW |
| Annual energy consumption Qhe | 2732 kWh | 3536 kWh |