## Subtype Dream Maker Smart Heat Pump-R290-15-C

| | |
|---|---|
| Certificate Holder | Dream Maker Technologie GmbH |
| Address | Zimmerbachstr.37 |
| ZIP | 74676 |
| City | Niedernhall |
| Country | DE |
| Certification Body | BRE Global Limited |
| Subtype title | Dream Maker Smart Heat Pump-R290-15-C |
| Registration number | 041-K043-09 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1.6 kg |
| Certification Date | 24.12.2024 |
| Testing basis | HP KEYMARK certification scheme rules rev. no.15 |

| Model Indoor unit: HPCWT-350L, Outdoor unit: HP-15KW-R290-T1 | |
|---|---|
| Model name | Indoor unit: HPCWT-350L, Outdoor unit: HP-15KW-R290-T1 |
| 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 | 3x400V 50Hz |
| Off-peak product | n/a |

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | XL |
| Efficiency ηDHW | 124 % |
| COP | 3.10 |
| Heating up time | 1:25:22 h:min |
| Standby power input | 33.0 W |
| Reference hot water temperature | 45.2 °C |
| Mixed water at 40°C | 229 l |

| 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 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 10.78 kW | 12.00 kW |
| El input | 2.42 kW | 3.86 kW |
| COP | 4.46 | 3.11 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 36 dB(A) | 37 dB(A) |
| Sound power level outdoor | 57 dB(A) | 57 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 180 % | 140 % |

| | | |
|---|---|---|
| Prated | 12.06 kW | 11.92 kW |
| SCOP | 4.56 | 3.58 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.67 kW | 10.54 kW |
| COP Tj = -7°C | 2.89 | 2.45 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.05 kW | 6.99 kW |
| COP Tj = +2°C | 4.81 | 3.67 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 6.28 kW | 5.86 kW |
| COP Tj = +7°C | 5.71 | 4.35 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 7.40 kW | 6.88 kW |
| COP Tj = 12°C | 7.46 | 6.34 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.67 kW | 10.54 kW |
| COP Tj = Tbiv | 2.89 | 2.45 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.05 kW | 9.01 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.74 | 2.06 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 10 W | 10 W |
| PTO | 17 W | 17 W |
| PSB | 10 W | 10 W |
| PCK | 62 W | 62 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.01 kW | 2.91 kW |
| Annual energy consumption Qhe | 5458 kWh | 6878 kWh |