

Subtype Dream Maker Smart Heat Pump-R290-9-C

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|---------------------|--|
| 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-R290-9-C |
| Registration number | 041-K043-07 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 0.7 kg |
| Certification Date | 24.12.2024 |
| Testing basis | HP KEYMARK certification scheme rules rev. no.15 |

Model Indoor unit: HPCWT-350L, Outdoor unit: HP-9KW-R290-S1

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|-------------------------------------|---|
| Model name | Indoor unit: HPCWT-350L, Outdoor unit: HP-9KW-R290-S1 |
| 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 | L |
| Efficiency η_{DHW} | 117 % |
| COP | 2.92 |
| Heating up time | 2:22:12 h:min |
| Standby power input | 38.0 W |
| Reference hot water temperature | 44.2 °C |
| Mixed water at 40°C | 218 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 | 5.90 kW | 5.28 kW |
| El input | 1.21 kW | 1.71 kW |
| COP | 4.87 | 3.09 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 31 dB(A) | 32 dB(A) |
| Sound power level outdoor | 49 dB(A) | 57 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_S | 181 % | 134 % |

| | | |
|---|-------------|-------------|
| Prated | 6.52 kW | 6.07 kW |
| SCOP | 4.60 | 3.41 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.77 kW | 5.37 kW |
| COP Tj = -7°C | 2.94 | 2.19 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.57 kW | 3.41 kW |
| COP Tj = +2°C | 4.48 | 3.43 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 3.37 kW | 3.09 kW |
| COP Tj = +7°C | 6.49 | 4.49 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 3.86 kW | 3.71 kW |
| COP Tj = 12°C | 8.38 | 6.13 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 5.77 kW | 5.37 kW |
| COP Tj = Tbiv | 2.94 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.89 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.70 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 12 W | 12 W |
| PTO | 22 W | 22 W |
| PSB | 12 W | 12 W |
| PCK | 30 W | 30 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.63 kW | 0.67 kW |
| Annual energy consumption Qhe | 2927 kWh | 3675 kWh |