

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

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

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