

Subtype Series B R290 Mono-block Heat Pump 11kW

Certificate Holder	ECO-Warm Sàrl
Address	4, Route Industrielle
ZIP	1806
City	ST-LÉGIER-LA CHIÉSAZ
Country	CH
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Series B R290 Mono-block Heat Pump 11kW
Registration number	011-1W0879
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.2 kg
Certification Date	16.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model EWB11R2901

Model name	EWB11R2901
Application	Heating (medium temp)
Units	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 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	11.00 kW	11.00 kW
El input	2.44 kW	3.66 kW
COP	4.50	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	192 %	141 %
Prated	11.00 kW	11.00 kW
SCOP	4.87	3.60
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.08 kW	9.85 kW
COP Tj = -7°C	3.16	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	6.40 kW	6.27 kW
COP Tj = +2°C	4.72	3.39
Cdh Tj = +2 °C	0.987	0.991
Pdh Tj = +7°C	5.96 kW	5.76 kW

COP Tj = +7°C	6.37	4.90
Cdh Tj = +7 °C	0.982	0.986
Pdh Tj = 12°C	7.05 kW	6.28 kW
COP Tj = 12°C	8.72	6.21
Cdh Tj = +12 °C	0.979	0.983
Pdh Tj = Tbiv	10.08 kW	9.85 kW
COP Tj = Tbiv	3.16	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.40 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.996
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	17 W	17 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.60 kW	3.50 kW
Annual energy consumption Qhe	4666 kWh	6305 kWh