

Subtype Series B R290 Mono-block Heat Pump 15kW

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 15kW
Registration number	011-1W0880
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.7 kg
Certification Date	16.08.2024
Testing basis	HP KEYMARK certification scheme rules V14

Model EWB15R2901

Model name	EWB15R2901
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	15.00 kW	15.00 kW
El input	3.33 kW	5.00 kW
COP	4.50	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	195 %	143 %
Prated	15.00 kW	15.00 kW
SCOP	4.95	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	13.46 kW	13.37 kW
COP Tj = -7°C	3.21	2.55
Cdh Tj = -7 °C	0.997	0.998
Pdh Tj = +2°C	8.23 kW	8.39 kW
COP Tj = +2°C	4.76	3.39
Cdh Tj = +2 °C	0.993	0.995
Pdh Tj = +7°C	7.22 kW	7.22 kW

COP Tj = +7°C	6.51	5.02
Cdh Tj = +7 °C	0.989	0.992
Pdh Tj = 12°C	8.79 kW	7.92 kW
COP Tj = 12°C	8.85	6.32
Cdh Tj = +12 °C	0.988	0.990
Pdh Tj = Tbiv	13.46 kW	13.37 kW
COP Tj = Tbiv	3.21	2.55
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.58 kW	9.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.997	0.998
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	12 W	12 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.40 kW	5.60 kW
Annual energy consumption Qhe	6258 kWh	8479 kWh