

## 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
$\eta_s$	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