Subtype DC Inverter Heat Pump R290-10	
Certificate Holder	Teon S.r.l.
Address	Via Suor Maria Pelletier 4
ZIP	20900
City	Monza (MB)
Country	IT
Certification Body	BRE Global Limited
Subtype title	DC Inverter Heat Pump R290-10
Registration number	041-K106-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.95 kg
Certification Date	11.10.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14

Model T10-MB	
Model name	T10-MB
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	7.04 kW	6.90 kW
El input	1.43 kW	2.20 kW
COP	4.92	3.14

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	61 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	181 %	137 %
Prated	7.89 kW	8.70 kW
SCOP	4.60	3.50
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	7.70 kW
COP Tj = -7°C	3.14	2.38
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.26 kW	4.70 kW
COP Tj = +2°C	4.53	3.38
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.52 kW	4.41 kW

COP Tj = +7°C	6.05	4.70
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.25 kW	5.08 kW
COP Tj = 12°C	8.44	6.52
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.98 kW	7.70 kW
COP Tj = Tbiv	3.14	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.89 kW	7.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.16
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	59 °C	59 °C
Poff	5 W	5 W
PTO	23 W	23 W
PSB	5 W	5 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	1.23 kW
Annual energy consumption Qhe	3546 kWh	5139 kWh