Subtype DC Inverter Heat Pump R290-07	
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 R290-07
Registration number	041-K106-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	11.10.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14

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Model T07-MB		
Model name	T07-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	4.99 kW	4.98 kW
El input	0.98 kW	1.54 kW
COP	5.08	3.24

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	183 %	136 %
Prated	5.82 kW	5.59 kW
SCOP	4.64	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.15 kW	4.95 kW
COP Tj = -7°C	3.33	2.38
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.21 kW	3.03 kW
COP Tj = +2°C	4.55	3.34
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.29 kW	2.93 kW

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COP Tj = +7°C	6.11	4.69
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.77 kW	3.66 kW
COP Tj = 12°C	7.88	6.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.15 kW	4.95 kW
COP Tj = Tbiv	3.33	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	5.58 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	6 W	6 W
PTO	20 W	20 W
PSB	6 W	6 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.01 kW
Annual energy consumption Qhe	2590 kWh	3325 kWh

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