Subtype DC Inverter Heat Pump R290-15	
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 R290-15
Registration number	041-K106-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.15 kg
Certification Date	11.10.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 14

Model T15-MB	
Model name	T15-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	3x400V 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	8.72 kW	8.97 kW
El input	2.04 kW	3.14 kW
COP	4.27	2.85

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	181 %	135 %
Prated	10.27 kW	12.17 kW
SCOP	4.60	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.08 kW	10.77 kW
COP Tj = -7°C	3.23	2.39
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.54 kW	6.69 kW
COP Tj = +2°C	4.52	3.33
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.73 kW	5.52 kW

COP Tj = +7°C	6.16	4.53
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.85 kW	6.58 kW
COP Tj = 12°C	8.09	6.25
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	9.08 kW	10.77 kW
COP Tj = Tbiv	3.23	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.14 kW	8.73 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	7 W	7 W
PTO	24 W	24 W
PSB	7 W	7 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.13 kW	3.44 kW
Annual energy consumption Qhe	4614 kWh	7302 kWh