Subtype DC Inverter Air to Water Heat Pump Unit- R32-4

Certificate Holder	Quatt B.V.
Address	Koningin Wilhelminaplein 29
ZIP	1062 HJ
City	Amsterdam
Country	NL
Certification Body	BRE Global Limited
Subtype title	DC Inverter Air to Water Heat Pump Unit- R32-4
Registration number	041-K101-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.65 kg
Certification Date	12.09.2024
Testing basis	HP KEYMARK certification scheme rules rev. no.14
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model AMM4-V1.5	
Model name	AMM4-V1.5
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	4.42 kW	5.12 kW
El input	0.92 kW	1.92 kW
COP	4.80	2.66

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	52 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	128 %
Prated	4.30 kW	3.89 kW
SCOP	4.57	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.80 kW	3.44 kW
COP Tj = -7°C	2.96	2.09
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.32 kW	2.24 kW
COP Tj = +2°C	4.61	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.04 kW	1.84 kW

COP Tj = +7°C	6.01	4.27
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.35 kW	2.17 kW
COP Tj = 12°C	8.04	6.14
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.80 kW	3.44 kW
COP Tj = Tbiv	2.96	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.39 kW	3.03 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	12 W	12 W
PTO	25 W	25 W
PSB	12 W	12 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.91 kW	0.86 kW
Annual energy consumption Qhe	1941 kWh	2446 kWh