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Login

Summary of	DC Inverter Air to Water Heat Pump Unit-R32-XC 12	Reg. No.	041-K027-03
Certificate Holder			
Name	Zhongshan Amitime Electric Co., Ltd		
Address	5th Yandong Rd	Zip	
City	Zhongshan City - Guangdong	Country	China
Certification Body	BRE Global Limited		
Subtype title	DC Inverter Air to Water Heat Pump Unit-R32-XC 12		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.3 kg		
Certification Date	27.06.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: PAVH-12V1FXC

Configure model	
Model name	PAVH-12V1FXC
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	10.69 kW	10.43 kW
El input	2.74 kW	4.10 kW
COP	3.91	2.54

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	179 %	132 %
Prated	8.75 kW	7.94 kW
SCOP	4.56	3.38
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.74 kW	7.02 kW
COP Tj = -7°C	2.98	1.94
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.24 kW	4.58 kW
COP Tj = +2°C	4.26	3.28
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.47 kW	4.24 kW
COP Tj = +7°C	6.19	4.62
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.37 kW	5.11 kW

COP Tj = 12°C	8.77	6.89
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.74 kW	7.02 kW
COP Tj = Tbiv	2.98	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.04 kW	6.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	57 °C	57 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	29 W	29 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.71 kW	1.75 kW
Annual energy consumption Qhe	3966 kWh	4844 kWh