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Summary of	DC Inverter Air to Water Heat Pump Unit-R32-XC 09	Reg. No.	041-K027-02
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 09		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.15 kg		
Certification Date	27.06.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: PAVH-09V1FXC

Configure model	
Model name	PAVH-09V1FXC
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	8.85 kW	7.92 kW
El input	2.09 kW	2.89 kW
COP	4.23	2.74

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

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EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	64 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	181 %	134 %
Prated	8.54 kW	7.81 kW
SCOP	4.61	3.41
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.56 kW	6.91 kW
COP Tj = -7°C	2.96	1.90
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.87 kW	4.56 kW
COP Tj = +2°C	4.35	3.31
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.54 kW	4.22 kW
COP Tj = +7°C	6.19	4.75
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.31 kW	5.14 kW

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COP Tj = 12°C	8.90	7.15
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	7.56 kW	6.91 kW
COP Tj = Tbiv	2.96	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.94 kW	6.28 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	58 °C	58 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	41 W	41 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.60 kW	1.53 kW
Annual energy consumption Qhe	3828 kWh	4731 kWh