

Subtype DC Inverter Air to Water Heat Pump Unit-R32-XC 06

Certificate Holder	Zhongshan Amitime Electric Co., Ltd
Address	5th Yandong Rd
ZIP	
City	Zhongshan City - Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	DC Inverter Air to Water Heat Pump Unit-R32-XC 06
Registration number	041-K027-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.75 kg
Certification Date	27.06.2022
Testing basis	Heat Pump Keymark Scheme Rules Rev 09

Model PAVH-06V1FXC

Model name	PAVH-06V1FXC
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 12102-1 | Average Climate

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

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	131 %
Prated	5.82 kW	5.39 kW
SCOP	4.52	3.36
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.15 kW	4.77 kW
COP Tj = -7°C	3.22	2.18
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.18 kW	2.94 kW
COP Tj = +2°C	4.43	3.25
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.91 kW	2.68 kW
COP Tj = +7°C	5.76	4.68
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.43 kW	3.31 kW
COP Tj = 12°C	8.39	6.62
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.15 kW	4.77 kW
COP Tj = Tbiv	3.22	2.18

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.64 kW	4.13 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	1.79
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	56 °C	56 °C
Poff	16 W	16 W
PTO	25 W	25 W
PSB	16 W	16 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.18 kW	1.27 kW
Annual energy consumption Qhe	2661 kWh	3318 kWh