

## Subtype DC Inverter Air To Water Heat Pump Unit-R290-06

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-R290-06
Registration number	041-K027-09
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.6 kg
Certification Date	03.04.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model Indoor unit: PAVH-06V1GE/IB; outdoor unit: PAVH-06V1GEB

Model name	Indoor unit: PAVH-06V1GE/IB; outdoor unit: PAVH-06V1GEB
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	54 dB(A)	57 dB(A)

##### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	189 %	141 %
Prated	4.91 kW	4.55 kW
SCOP	4.81	3.59
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.35 kW	4.02 kW
COP Tj = -7°C	2.98	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.01 kW	2.59 kW
COP Tj = +2°C	4.78	3.39
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.30 kW	2.15 kW
COP Tj = +7°C	6.60	5.17
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.74 kW	2.59 kW
COP Tj = 12°C	9.70	7.45
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.35 kW	4.02 kW

COP Tj = Tbiv	2.98	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.01 kW	3.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	56 °C	56 °C
Poff	20 W	20 W
PTO	23 W	23 W
PSB	20 W	20 W
PCK	30 W	30 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.01 kW
Annual energy consumption Qhe	2111 kWh	2616 kWh