

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)		
Sound power level outdoor EN 14825   Average Climate	54 dB(A)	•		
	54 dB(A) Low temperature	•		
EN 14825   Average Climate		57 dB(A)		
	Low temperature	57 dB(A) Medium temperature		
EN 14825   Average Climate ηs	Low temperature 189 %	57 dB(A) Medium temperature 141 %		
EN 14825   Average Climate ηs Prated	Low temperature 189 % 4.91 kW	57 dB(A) Medium temperature 141 % 4.55 kW		
EN 14825   Average Climate ηs Prated SCOP	Low temperature 189 % 4.91 kW 4.81	57 dB(A) Medium temperature 141 % 4.55 kW 3.59		
EN 14825   Average Climate ns Prated SCOP Tbiv TOL	Low temperature 189 % 4.91 kW 4.81 -7 °C	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C		
EN 14825   Average Climate ns Prated SCOP Tbiv TOL Pdh Tj = -7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Pdh Tj = +2°C COP Tj = +2°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Pdh Tj = +7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C COP Tj = +7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW 6.60	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW 5.17		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW 6.60 0.900	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW 5.17 0.900		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = +7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW 6.60 0.900 2.74 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW 5.17 0.900 2.59 kW		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C Cdh Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C CDP Tj = +7°C COP Tj = +7°C COP Tj = 12°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW 6.60 0.900 2.74 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW 5.17 0.900 2.59 kW 7.45		
EN 14825   Average Climate $\eta$ s Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C Cdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C COP Tj = +7°C	Low temperature 189 % 4.91 kW 4.81 -7 °C -10 °C 4.35 kW 2.98 0.900 3.01 kW 4.78 0.900 2.30 kW 6.60 0.900 2.74 kW	57 dB(A) Medium temperature 141 % 4.55 kW 3.59 -7 °C -10 °C 4.02 kW 2.29 0.900 2.59 kW 3.39 0.900 2.15 kW 5.17 0.900 2.59 kW		



Registration number 041-K027-09

COP Tj = Tbiv	2.98	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	4.01 kW	3.54 kW
< Tdesignh		
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
РТО	23 W	23 W
PSB	20 W	20 W
РСК	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