

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-R290-08	
Registration number	041-K027-10	
Heat Pump Type	Outdoor Air/Water	
Refrigerant	R290	
Mass of Refrigerant	0.7 kg	
Certification Date	03.04.2023	
Testing basis	Heat Pump Keymark Scheme Rules Rev 11	



Model name	Indoor unit: PAVH-08V1GE/I	B, Outdoor unit:
	PAVH-08V1GEB	
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		
	Law tamparatura	Madium tamparatura
Cound navier level outdoor	Low temperature 54 dB(A)	Medium temperature
Sound power level outdoor	34 UB(A)	56 dB(A)
EN 14825   Average Climate		
	Low temperature	Medium temperature
ης	191 %	143 %
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Prated	191 %	143 %
Prated SCOP	191 % 6.93 kW	143 % 6.40 kW
Prated SCOP Tbiv	191 % 6.93 kW 4.85	143 % 6.40 kW 3.65
Prated SCOP Tbiv TOL	191 % 6.93 kW 4.85 -7 °C	143 % 6.40 kW 3.65 -7 °C
Prated SCOP Tbiv TOL Pdh Tj = -7°C	191 % 6.93 kW 4.85 -7 °C -10 °C	143 % 6.40 kW 3.65 -7 °C -10 °C
ηs Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67 0.900 3.29 kW	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64 0.900 3.02 kW
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +7°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67 0.900 3.29 kW 6.81	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64 0.900 3.02 kW 4.99
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67 0.900 3.29 kW 6.81 0.900	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64 0.900 3.02 kW 4.99 0.900
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C COP Tj = +7°C Cdh Tj = +7°C Pdh Tj = 12°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67 0.900 3.29 kW 6.81 0.900 3.89 kW	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64 0.900 3.02 kW 4.99 0.900 3.62 kW
Prated SCOP Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C Pdh Tj = +2°C COP Tj = +2°C COP Tj = +2°C COP Tj = +2°C Cdh Tj = +7°C Cdh Tj = +7°C COP Tj = +7°C	191 % 6.93 kW 4.85 -7 °C -10 °C 6.13 kW 3.09 0.900 3.83 kW 4.67 0.900 3.29 kW 6.81 0.900	143 % 6.40 kW 3.65 -7 °C -10 °C 5.67 kW 2.29 0.900 3.59 kW 3.64 0.900 3.02 kW 4.99 0.900



COP Tj = Tbiv	3.09	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.64 kW	5.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.98	2.10
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	1.29 kW	1.32 kW
Annual energy consumption Qhe	2953 kWh	3622 kWh