Subtype Air to water heat pump 12K

Certificate Holder	Zhongshan Amitime Electric Co., Ltd
Address	5th Yandong Rd
ZIP	
City	Zhongshan City - Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Air to water heat pump 12K
Registration number	011-1W1052
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.2 kg
Certification Date	18.06.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

Model Outdoor unit CAMV-12RGAAG-HM and Indoor unit B-RAG-X	
Model name	Outdoor unit CAMV-12RGAAG-HM and Indoor unit B-RAG-X
Application	Heating (medium temp)
Units	Indoor, 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 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.66 kW	9.18 kW
El input	1.64 kW	2.82 kW
COP	5.28	3.26

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	216 %	162 %
Prated	9.83 kW	9.60 kW
SCOP	5.48	4.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.55 kW	7.98 kW
COP Tj = -7°C	3.58	2.65
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.10 kW	4.91 kW
COP Tj = +2°C	5.22	3.96
Cdh Tj = +2 °C	0.970	0.980

Pdh Tj = +7°C	3.91 kW	3.72 kW
COP Tj = +7°C	7.30	5.37
Cdh Tj = +7 °C	0.940	0.960
Pdh Tj = 12°C	4.52 kW	4.40 kW
COP Tj = 12°C	9.60	7.38
Cdh Tj = +12 °C	0.940	0.950
Pdh Tj = Tbiv	9.83 kW	9.60 kW
COP Tj = Tbiv	3.11	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.83 kW	9.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.11	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	19 W	19 W
PTO	30 W	30 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3706 kWh	4812 kWh

Model Outdoor unit CAMV-12RGDAG-HM and Indoor unit B-RAG-X	
Model name	Outdoor unit CAMV-12RGDAG-HM and Indoor unit B-RAG-X
Application	Heating (medium temp)
Units	Indoor, 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	3x400V 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

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