

Subtype Air to water heat pump 40K

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 40K
Registration number	011-1W1089
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	4.2 kg
Certification Date	03.09.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	TÜV Rheinland (GuangDong) Ltd., CN

Model Outdoor unit CAMV-40RGDAA-AM and indoor unit E-RAG-X

Model name	Outdoor unit CAMV-40RGDAA-AM and indoor unit E-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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	28.70 kW	31.40 kW
El input	6.77 kW	10.63 kW
COP	4.24	2.96

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	192 %	146 %
Prated	28.60 kW	28.10 kW
SCOP	4.86	3.72
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	25.30 kW	24.90 kW
COP Tj = -7°C	2.94	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	16.00 kW	15.10 kW
COP Tj = +2°C	4.97	3.84
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	12.30 kW	11.60 kW
COP Tj = +7°C	6.26	4.84
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	15.30 kW	14.90 kW
COP Tj = 12°C	9.08	6.18
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	25.30 kW	24.90 kW
COP Tj = Tbiv	2.94	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	23.60 kW	23.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	29 W	29 W
PSB	16 W	16 W
PCK	71 W	71 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.00 kW	4.80 kW
Annual energy consumption Qhe	12166 kWh	15641 kWh