

## 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
$\eta_s$	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