

Subtype Air to water heat pump 20K

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 20K
Registration number	011-1W1054
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.9 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-20RGDAG-PM and Indoor unit B-RAG-X02

Model name	Outdoor unit CAMV-20RGDAG-PM and Indoor unit B-RAG-X02
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	13.43 kW	14.00 kW
El input	2.76 kW	4.45 kW
COP	4.87	3.15

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	209 %	161 %
Prated	15.65 kW	14.43 kW
SCOP	5.29	4.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	14.52 kW	14.58 kW
COP Tj = -7°C	2.91	2.40
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	8.98 kW	8.56 kW
COP Tj = +2°C	5.43	4.05

Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	5.85 kW	5.86 kW
COP Tj = +7°C	6.75	5.46
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	7.21 kW	6.69 kW
COP Tj = 12°C	9.05	7.23
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	15.65 kW	14.43 kW
COP Tj = Tbiv	2.62	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.65 kW	14.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	20 W	20 W
PTO	33 W	33 W
PSB	20 W	20 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	6111 kWh	7270 kWh