

Subtype AUA + G50

Certificate Holder	Argoclima S.p.A
Address	Via Alfeno Varo, 35
ZIP	25020
City	Alfianello (BS)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	AUA + G50
Registration number	ICIM-PDC-000021-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.3 kg
Certification Date	21.02.2019

**Model AUAH + AEI1G50EMX**

Model name	AUAH + AEI1G50EMX
Application	Heating + DHW + low 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	No

**Outdoor Air/Water**
**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency $\eta_{DHW}$	90 %
COP	2.22
Heating up time	5:36 h:min
Standby power input	45.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	364 l

**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	3.95 kW	4.10 kW
El input	0.97 kW	1.72 kW
COP	4.09	2.39

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_S$	151 %	111 %

Prated	2.86 kW	3.41 kW
SCOP	3.85	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	2.53 kW	3.01 kW
COP Tj = -7°C	2.26	1.75
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	1.51 kW	1.86 kW
COP Tj = +2°C	3.78	2.78
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.02 kW	1.13 kW
COP Tj = +7°C	5.30	3.74
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	0.93 kW	1.31 kW
COP Tj = 12°C	7.02	5.88
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	2.53 kW	3.01 kW
COP Tj = Tbiv	2.26	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.32 kW	2.07 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.02	1.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 °C	55 °C
Poff	5 W	5 W
PTO	8 W	8 W
PSB	5 W	5 W
PCK	35 W	35 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.53 kW	1.34 kW
Annual energy consumption Qhe	1534 kWh	2479 kWh