

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	AUCH + AEI1G110BEMX	Reg. No.	ICIM-PDC-000023
Certificate Holder			
Name	Argoclima S.p.A		
Address	Via Alfeno Varo, 35	Zip	25020
City	Alfianello (BS)	Country	Italy
Certification Body	ICIM S.p.A.		
Name of testing laboratory	CEIS		
Subtype title	AUCH + AEI1G110BEMX		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.38 kg		
Certification Date	21.02.2019		

Model: AUCH + AEI1G110BEMX

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	10.45 kW	9.67 kW
El input	2.58 kW	4.18 kW
COP	4.05	2.31
Indoor water flow rate	1.80 m ³ /h	1.05 m ³ /h

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	151 %	111 %
Prated	8.35 kW	7.10 kW
SCOP	3.85	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.39 kW	6.28 kW
COP Tj = -7°C	2.24	1.55
Pdh Tj = +2°C	4.53 kW	3.72 kW
COP Tj = +2°C	3.76	2.81
Pdh Tj = +7°C	2.81 kW	2.96 kW
COP Tj = +7°C	5.34	4.05
Pdh Tj = 12°C	2.58 kW	2.90 kW
COP Tj = 12°C	7.09	6.02
Pdh Tj = Tbiv	7.39 kW	6.28 kW

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COP Tj = Tbiv	2.24	1.55
Pdh Tj = TOL	6.56 kW	3.95 kW
COP Tj = TOL	2.02	1.08
Cdh	0.90	0.90
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	1.79 kW	3.15 kW
Annual energy consumption Qhe	4476 kWh	5169 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	91 %
COP	2.25
Heating up time	3:21 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	364 l