

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

Summary of	AUCH + AEI1G80BEMX	Reg. No.	ICIM-PDC-000024
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 + AEI1G80BEMX		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.99 kg		
Certification Date	21.02.2019		

Model: AUCH + AEI1G80BEMX

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.97 kW	7.08 kW
El input	1.92 kW	3.05 kW
COP	4.15	2.32
Indoor water flow rate	1.37 m ³ /h	0.77 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	6.59 kW	5.76 kW
SCOP	3.85	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.83 kW	5.10 kW
COP Tj = -7°C	2.45	1.66
Pdh Tj = +2°C	3.33 kW	3.07 kW
COP Tj = +2°C	3.80	2.79
Pdh Tj = +7°C	2.16 kW	2.10 kW
COP Tj = +7°C	4.96	3.81
Pdh Tj = 12°C	2.13 kW	1.79 kW
COP Tj = 12°C	6.64	5.55
Pdh Tj = Tbiv	5.83 kW	5.10 kW

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COP $T_j = T_{biv}$	2.45	1.66
P _{dh} $T_j = TOL$	4.97 kW	4.33 kW
COP $T_j = TOL$	2.08	1.32
C _{dh}	0.90	0.90
WTOL	55 °C	55 °C
P _{off}	5 W	5 W
P _{TO}	8 W	8 W
P _{SB}	5 W	5 W
P _{CK}	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.62 kW	1.43 kW
Annual energy consumption Q _{he}	3541 kWh	4184 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	90 %
COP	2.21
Heating up time	3:11 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	364 l