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Login

Summary of	AUC + G80	Reg. No.	ICIM-PDC-000023-01
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.		
Subtype title	AUC + G80		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.99 kg		
Certification Date	21.02.2019		

Model: AUCH + AEI1G80BEMX

Configure model	
Model name	AUCH + AEI1G80BEMX
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.33 kW	3.07 kW
COP Tj = +2°C	3.80	2.79
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.16 kW	2.10 kW
COP Tj = +7°C	4.96	3.81
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	2.13 kW	1.79 kW
COP Tj = 12°C	6.64	5.55
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.83 kW	5.10 kW
COP Tj = Tbiv	2.45	1.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.97 kW	4.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.08	1.32
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	1.62 kW	1.43 kW
Annual energy consumption Qhe	3541 kWh	4184 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	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

Model: AUCH + AEI1G80EMX3PH

Configure model	
Model name	AUCH + AEI1G80EMX3PH
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate

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	Low temperature	**Medium temperature**
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