

Subtype AIM11	
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	AIM11
Registration number	ICIM-PDC-000013-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.5 kg
Certification Date	10.10.2018

Model AIM11EMX3PH		
Model name	AIM11EMX3PH	
Application	Heating + DHW + low temp	
Units	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 16147 Average Climate		
Declared load profile	XL	
Efficiency η_{DHW}	89 %	
COP	2.13	
Heating up time	2:40 h:min	
Standby power input	59.3 W	
Reference hot water temperature	46.7 °C	
Mixed water at 40°C	377 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	10.16 kW	7.36 kW
El input	2.54 kW	3.51 kW
COP	4.00	2.10
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	69 dB(A)	69 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
η_s	151 %	114 %
Prated	7.83 kW	6.91 kW
SCOP	3.86	2.92

Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.93 kW	6.11 kW
COP Tj = -7°C	2.67	1.62
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.56 kW	3.64 kW
COP Tj = +2°C	3.81	2.98
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.83 kW	4.55 kW
COP Tj = +7°C	4.56	4.16
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.12 kW	3.90 kW
COP Tj = 12°C	6.93	6.52
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.93 kW	6.11 kW
COP Tj = Tbiv	2.67	1.62
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.99 kW	4.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.31	1.19
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	0.84 kW	2.50 kW
Annual energy consumption Qhe	4196 kWh	4880 kWh

Model AIM11EMX		
Model name	AIM11EMX	
Application	Heating + DHW + low temp	
Units	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	n/a	
Outdoor Air/Water		
EN 16147 Average Climate		
Declared load profile	XL	
Efficiency η_{DHW}	89 %	
COP	2.13	
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Standby power input	59.3 W	
Reference hot water temperature	46.7 °C	
Mixed water at 40°C	377 l	
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Defrost test	passed	
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