

Subtype AIM08

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	AIM08
Registration number	ICIM-PDC-000012-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.46 kg
Certification Date	10.10.2018

**Model AIM08EMX**

Model name	AIM08EMX
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	No

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

Declared load profile	XL
Efficiency $\eta_{DHW}$	94 %
COP	2.25
Heating up time	3:41 h:min
Standby power input	53.2 W
Reference hot water temperature	46.7 °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

**EN 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	8.08 kW	5.87 kW
El input	1.93 kW	2.71 kW
COP	4.19	2.17

**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
$\eta_s$	159 %	113 %
Prated	6.51 kW	5.50 kW
SCOP	4.05	2.91

Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.76 kW	4.87 kW
COP Tj = -7°C	2.83	1.83
Pdh Tj = +2°C	3.54 kW	3.02 kW
COP Tj = +2°C	3.82	2.85
Pdh Tj = +7°C	2.27 kW	1.85 kW
COP Tj = +7°C	5.29	3.67
Pdh Tj = 12°C	1.52 kW	1.48 kW
COP Tj = 12°C	6.45	5.63
Pdh Tj = Tbiv	5.76 kW	4.87 kW
COP Tj = Tbiv	2.83	1.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.42 kW	3.97 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	1.09 kW	1.53 kW
Annual energy consumption Qhe	3326 kWh	3904 kWh