Subtype AIM14	
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	AIM14
Registration number	ICIM-PDC-000015-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	3.1 kg
Certification Date	10.10.2018

Model AIM14EMX3PH

Model name	AIM14EMX3PH
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	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency ηDHW	85 %
COP	2.05
Heating up time	2:40 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °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	13.57 kW	10.26 kW
El input	3.35 kW	4.83 kW
COP	4.06	2.13

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	70 dB(A)	70 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	153 %	111 %
Prated	9.83 kW	9.52 kW

SCOP	3.91	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.70 kW	8.42 kW
COP Tj = -7°C	2.49	1.58
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.95 kW	5.09 kW
COP Tj = +2°C	3.72	2.83
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.17 kW	3.53 kW
COP Tj = +7°C	5.53	3.87
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.86 kW	4.57 kW
COP Tj = 12°C	6.64	6.01
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.70 kW	8.42 kW
COP Tj = Tbiv	2.49	1.58
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.96 kW	6.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.24	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	1.88 kW	2.72 kW
Annual energy consumption Qhe	5194 kWh	6931 kWh

Model AIM14EMX

Model name	AIM14EMX
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 ηDHW	85 %
COP	2.05
Heating up time	2:40 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °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

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