

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

Summary of	AIM14EMX3PH	Reg. No.	ICIM-PDC-000015
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	AIM14EMX3PH		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.1 kg		
Certification Date	10.10.2018		

Model: AIM14EMX3PH

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	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
Indoor water flow rate	2.34 m ³ /h	1.10 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 outdoor	70 dB(A)	70 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	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
Pdh Tj = +2°C	4.95 kW	5.09 kW
COP Tj = +2°C	3.72	2.83
Pdh Tj = +7°C	4.17 kW	3.53 kW
COP Tj = +7°C	5.53	3.87
Pdh Tj = 12°C	2.86 kW	4.57 kW
COP Tj = 12°C	6.64	6.01
Pdh Tj = Tbiv	8.70 kW	8.42 kW
COP Tj = Tbiv	2.49	1.58

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Pdh Tj = TOL	7.96 kW	6.81 kW
COP Tj = TOL	2.24	1.19
Cdh	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	1.88 kW	2.72 kW
Annual energy consumption Qhe	5194 kWh	6931 kWh

Domestic Hot Water (DHW)

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EN 16147	
Declared load profile	XL
Mixed water at 40°C	377 l
Efficiency η_{DHW}	85 %
COP	2.05
Heating up time	2:40 h:min
Standby power input	47.0 W
Reference hot water temperature	47.0 °C