

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

Summary of	AUDH + AEI1G140EMX3PH	Reg. No.	ICIM-PDC-000025
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	AUDH + AEI1G140EMX3PH		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	4.4 kg		
Certification Date	21.02.2019		

## Model: AUDH + AEI1G140EMX3PH

### General Data

Power supply	3x400V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	13.63 kW	10.42 kW
El input	3.50 kW	4.84 kW
COP	3.90	2.15
Indoor water flow rate	2.35 m <sup>3</sup> /h	1.12 m <sup>3</sup> /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 indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	161 %	111 %
Prated	11.86 kW	9.36 kW
SCOP	4.09	2.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.49 kW	8.28 kW
COP Tj = -7°C	2.53	1.53
Pdh Tj = +2°C	6.27 kW	5.19 kW
COP Tj = +2°C	4.08	2.91
Pdh Tj = +7°C	6.34 kW	5.05 kW
COP Tj = +7°C	5.65	4.11
Pdh Tj = 12°C	4.76 kW	4.57 kW
COP Tj = 12°C	6.28	5.31
Pdh Tj = Tbiv	10.49 kW	8.28 kW

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COP $T_j = T_{biv}$	2.53	1.53
P <sub>dh</sub> $T_j = TOL$	9.79 kW	5.82 kW
COP $T_j = TOL$	2.32	1.07
C <sub>dh</sub>	0.90	0.90
WTOL	55 °C	55 °C
P <sub>off</sub>	5 W	5 W
P <sub>TO</sub>	8 W	8 W
P <sub>SB</sub>	5 W	5 W
P <sub>CK</sub>	35 W	35 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.07 kW	3.54 kW
Annual energy consumption Q <sub>he</sub>	5987 kWh	6811 kWh

## Domestic Hot Water (DHW)

### Average Climate

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<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	80 %
COP	1.99
Heating up time	2:07 h:min
Standby power input	52.0 W
Reference hot water temperature	47.0 °C
Mixed water at 40°C	364 l