Subtype AUD + G140

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	AUD + G140
Registration number	ICIM-PDC-000025-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.4 kg
Certification Date	21.02.2019

Model AUDH + AEI1G140EMX3PH

Model name	AUDH + AEI1G140EMX3PH
Application	Heating + DHW + low temp
Units	Indoor, 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	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

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	13.63 kW	10.42 kW
El input	3.50 kW	4.84 kW
COP	3.90	2.15

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.27 kW	5.19 kW
COP Tj = +2°C	4.08	2.91
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.34 kW	5.05 kW
COP Tj = +7°C	5.65	4.11
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.76 kW	4.57 kW
COP Tj = 12°C	6.28	5.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.49 kW	8.28 kW
COP Tj = Tbiv	2.53	1.53
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.79 kW	5.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	1.07
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	2.07 kW	3.54 kW
Annual energy consumption Qhe	5987 kWh	6811 kWh

Model AUDH + AEI1G140EMX	
Model name	AUDH + AEI1G140EMX
Application	Heating + DHW + low temp
Units	Indoor, 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	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

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	13.63 kW	10.42 kW
El input	3.50 kW	4.84 kW
COP	3.90	2.15

EN 12102-1 | Average Climate	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 | Average Climate	Low temperature	Medium temperature
ηs	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
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.27 kW	5.19 kW
COP Tj = +2°C	4.08	2.91
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.34 kW	5.05 kW
COP Tj = +7°C	5.65	4.11
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.76 kW	4.57 kW
COP Tj = 12°C	6.28	5.31
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.49 kW	8.28 kW
COP Tj = Tbiv	2.53	1.53
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.79 kW	5.82 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	1.07
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	2.07 kW	3.54 kW
Annual energy consumption Qhe	5987 kWh	6811 kWh