Subtype ISILIA M 14

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ISILIA M 14
Registration number	012-C700317
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.47 kg
Certification Date	04.06.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model ISILIA M 14

Model name	ISILIA M 14
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
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 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	8.00 kW	8.00 kW
El input	1.54 kW	2.62 kW
COP	5.19	3.05

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	205 %	144 %
Prated	9.00 kW	8.70 kW
SCOP	5.21	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	7.70 kW
COP Tj = -7°C	3.20	2.26
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	4.80 kW	4.70 kW
COP Tj = +2°C	5.19	3.56
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.90 kW	3.70 kW
COP Tj = +7°C	6.93	4.98

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	4.50 kW	4.40 kW
COP Tj = 12°C	8.77	6.86
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	8.00 kW	7.70 kW
COP Tj = Tbiv	3.20	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.90 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	60 °C	60 °C
Poff	8 W	8 W
PTO	17 W	16 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	3571 kWh	4880 kWh