

## Subtype ISILIA S 16

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ISILIA S 16
Registration number	012-C700228
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.5 kg
Certification Date	13.02.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model ISILIA S 16		
Model name	ISILIA S 16	
Application	Heating (medium temp)	
Units	Indoor, 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	13.80 kW	10.40 kW
El input	3.12 kW	3.70 kW
COP	4.42	2.81
EN 12102-1   Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)
EN 14825   Average Climate		
	Low temperature	Medium temperature
ηs	166 %	130 %
Prated	13.30 kW	13.30 kW
SCOP	4.21	3.32
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	9.50 kW
COP Tj = -7°C	2.73	1.98
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.90 kW	7.20 kW
COP Tj = +2°C	3.96	3.26
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	6.30 kW	6.40 kW

COP Tj = +7°C	5.86	4.78
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	7.20 kW	7.50 kW
COP Tj = 12°C	7.40	6.02
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	11.50 kW	10.50 kW
COP Tj = Tbiv	2.73	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.30 kW	8.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.63	1.76
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	10 W	10 W
PTO	15 W	15 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.00 kW	4.90 kW
Annual energy consumption Qhe	6522 kWh	8266 kWh