

Subtype ISILIA M 10 (R290)

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ISILIA M 10 (R290)
Registration number	012-C700373
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	12.05.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	CETIAT, FR

Model ISILIA M 10

Model name	ISILIA M 10
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	5.96 kW	5.97 kW
EI input	1.26 kW	1.94 kW
COP	4.71	3.08

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	175 %	134 %
Prated	5.20 kW	4.80 kW
SCOP	4.45	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.20 kW
COP Tj = -7°C	3.09	2.39
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.80 kW	2.60 kW
COP Tj = +2°C	4.39	3.36
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.50 kW	2.30 kW
COP Tj = +7°C	5.94	4.48

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	3.00 kW	2.90 kW
COP Tj = 12°C	5.77	4.89
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	4.60 kW	4.20 kW
COP Tj = Tbiv	3.09	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.40 kW	3.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.95	2.09
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	75 °C	75 °C
Poff	6 W	6 W
PTO	10 W	10 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	1.10 kW
Annual energy consumption Qhe	2414 kWh	2891 kWh