

## Subtype ISILIA M 11 and 12 (R290)

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ISILIA M 11 and 12 (R290)
Registration number	012-C700374
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	12.05.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	CETIAT, FR

## Model ISILIA M 11

Model name	ISILIA M 11
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	8.23 kW	7.89 kW
El input	1.61 kW	2.33 kW
COP	5.11	3.39

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	184 %	147 %
Prated	7.60 kW	7.20 kW
SCOP	4.67	3.74
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.70 kW	6.40 kW
COP Tj = -7°C	2.75	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.10 kW	3.90 kW
COP Tj = +2°C	4.59	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.93	5.35

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.06	6.98
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	6.70 kW	6.40 kW
COP Tj = Tbiv	2.75	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.40 kW	6.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.06
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	2.20 kW	1.10 kW
Annual energy consumption Qhe	3362 kWh	3972 kWh

## Model ISILIA M 12 MONO

Model name	ISILIA M 12 MONO
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	9.65 kW	8.99 kW
El input	2.04 kW	2.85 kW
COP	4.73	3.16

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	184 %	148 %
Prated	7.60 kW	7.20 kW
SCOP	4.68	3.76
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.70 kW	6.40 kW
COP Tj = -7°C	2.75	2.27
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.10 kW	3.90 kW
COP Tj = +2°C	4.59	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.93	5.44

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.07	6.98
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	6.70 kW	6.40 kW
COP Tj = Tbiv	2.75	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	6.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	2.04
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	1.90 kW	0.80 kW
Annual energy consumption Qhe	3358 kWh	3955 kWh

## Model ISILIA M 12 TRI

Model name	ISILIA M 12 TRI
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	3x400V 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	9.65 kW	8.99 kW
El input	2.04 kW	2.85 kW
COP	4.73	3.16

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Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.10 kW	3.90 kW
COP Tj = +2°C	4.59	3.54
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	3.00 kW	2.90 kW
COP Tj = +7°C	6.93	5.44

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.90 kW	3.40 kW
COP Tj = 12°C	7.07	6.98
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	6.70 kW	6.40 kW
COP Tj = Tbiv	2.75	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.70 kW	6.40 kW
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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	1.90 kW	0.80 kW
Annual energy consumption Qhe	3358 kWh	3955 kWh