

Subtype Atlantic Ixtra M 12 Tri

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Atlantic Ixtra M 12 Tri
Registration number	012-C700148
Heat Pump Type	Outdoor Air/Water
Refrigerant	R452B
Mass of Refrigerant	2.85 kg
Certification Date	30.06.2022
Testing basis	EN 14511:2018, EN 14825:2016, EN 12102:2017
Testing laboratory	CETIAT, FR

Model Atlantic Ixtra M 12 Tri

Model name	Atlantic Ixtra 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	5.81 kW	9.28 kW
EI input	1.29 kW	3.29 kW
COP	4.52	2.82

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 %	130 %
Prated	9.80 kW	9.60 kW
SCOP	4.45	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.70 kW	8.50 kW
COP Tj = -7°C	3.07	2.22
Cdh Tj = -7 °C	0.970	0.980
Pdh Tj = +2°C	5.30 kW	5.20 kW
COP Tj = +2°C	4.58	3.35
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	6.00 kW	5.90 kW
COP Tj = +7°C	5.42	4.19

Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	7.00 kW	6.80 kW
COP Tj = 12°C	6.55	5.18
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	8.70 kW	8.50 kW
COP Tj = Tbiv	3.07	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.90 kW	7.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.980
WTOL	60 °C	60 °C
Poff	18 W	18 W
PTO	36 W	25 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	1.90 kW
Annual energy consumption Qhe	4552 kWh	5964 kWh