Subtype IXTRA M HT 12

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	IXTRA M HT 12
Registration number	012-C700350
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.86 kg
Certification Date	26.09.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022

Model IXTRA M HT 12	
Model name	IXTRA M HT 12
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	4.99 kW	4.45 kW
El input	1.00 kW	1.47 kW
COP	4.97	3.03

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	184 %	142 %
Prated	10.40 kW	10.20 kW
SCOP	4.67	3.62
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.00 kW
COP Tj = -7°C	2.93	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	5.60 kW	5.50 kW
COP Tj = +2°C	4.83	3.69
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	5.20 kW	5.00 kW

COP Tj = +7°C	6.02	4.66
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	5.90 kW	5.80 kW
COP Tj = 12°C	7.16	6.02
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	9.20 kW	9.00 kW
COP Tj = Tbiv	2.93	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	70 °C	70 °C
Poff	14 W	14 W
PTO	35 W	35 W
PSB	14 W	14 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	4605 kWh	5828 kWh

Model IXTRA M HT 12 TRI	
Model name	IXTRA M HT 12 TRI
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	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	4.99 kW	4.45 kW
El input	1.00 kW	1.47 kW
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EN 12102-1 | Average Climate		
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Supplementary Heater: PSUP	1.90 kW	1.90 kW
Annual energy consumption Qhe	4605 kWh	5828 kWh

Model IXTRA M DUO HT 12	
Model name	IXTRA M DUO HT 12
Application	Heating + DHW + low 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 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	120 %
COP	3.00
Heating up time	1:00 h:min
Standby power input	30.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	245 l

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
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Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
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Off-peak product	n/a

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