

## Subtype IXTRA M HT 9

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	IXTRA M HT 9
Registration number	012-C700349
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 9

Model name	IXTRA M HT 9
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	4.85 kW	4.28 kW
El input	0.98 kW	1.44 kW
COP	4.93	2.98

### 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
$\eta_s$	179 %	134 %
Prated	7.90 kW	7.30 kW
SCOP	4.56	3.43
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.00 kW	6.50 kW
COP Tj = -7°C	3.11	2.25
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	4.30 kW	3.90 kW
COP Tj = +2°C	4.66	3.45
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	5.10 kW	4.80 kW

COP Tj = +7°C	5.92	4.49
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	5.80 kW	5.60 kW
COP Tj = 12°C	7.02	5.76
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	7.00 kW	6.50 kW
COP Tj = Tbiv	3.11	2.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.30 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	1.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	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	1.60 kW	1.40 kW
Annual energy consumption Qhe	3582 kWh	4400 kWh

## Model IXTRA M HT 9 TRI

Model name	IXTRA M HT 9 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	4.85 kW	4.28 kW
El input	0.98 kW	1.44 kW
COP	4.93	2.98

### 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
$\eta_s$	179 %	134 %
Prated	7.90 kW	7.30 kW
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Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	7.00 kW	6.50 kW
COP Tj = Tbiv	3.11	2.25
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.30 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	1.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	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	1.60 kW	1.40 kW
Annual energy consumption Qhe	3582 kWh	4400 kWh

## Model IXTRA M DUO HT 9

Model name	IXTRA M DUO HT 9
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 $\eta_{DHW}$	120 %
COP	3.00
Heating up time	1:05 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
Heat output	4.85 kW	4.28 kW
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	Low temperature	Medium temperature
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### EN 14825 | Average Climate

	Low temperature	Medium temperature
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Tbiv	-7 °C	-7 °C
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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	1.60 kW	1.40 kW
Annual energy consumption Qhe	3582 kWh	4400 kWh

## Model IXTRA M DUO HT 9 TRI

Model name	IXTRA M DUO HT 9 TRI
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	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

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TOL	-10 °C	-10 °C
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COP Tj = -7°C	3.11	2.25
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.30 kW	5.90 kW
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