Login

Summary of	Loria 6004	Reg. No.	012-013
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	Loria 6004		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	27.07.2016		

Model: Loria 6004

Configure model	
Model name	Loria 6004
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
COP	5.19	2.64

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.60	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.70 kW	3.80 kW
COP Tj = -7°C	3.00	2.00
Pdh Tj = +2°C	2.40 kW	2.50 kW
COP Tj = +2°C	4.50	3.20
Pdh Tj = +7°C	2.00 kW	1.40 kW
COP Tj = +7°C	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50

Pdh Tj = Tbiv	3.70 kW	3.80 kW
COP Tj = Tbiv	3.00	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.40 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	14 W	14 W
PSB	9 W	9 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	1884 kWh	2708 kWh

Model: Loria Duo 6004

Configure model	
Model name	Loria Duo 6004
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
COP	5.19	2.64

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.60	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.70 kW	3.80 kW
COP Tj = -7°C	3.00	2.00
Pdh Tj = +2°C	2.40 kW	2.50 kW
COP Tj = +2°C	4.50	3.20
Pdh Tj = +7°C	2.00 kW	1.40 kW
COP Tj = +7°C	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50

Pdh Tj = Tbiv	3.70 kW	3.80 kW
COP Tj = Tbiv	3.00	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.40 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	14 W	14 W
PSB	9 W	9 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	1884 kWh	2708 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
COP	3.26
Heating up time	1:36 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	243 l

Model: Loria 6004 2C Duo

Configure model	
Model name	Loria 6004 2C Duo
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
COP	5.19	2.64

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.60	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.70 kW	3.80 kW
COP Tj = -7°C	3.00	2.00
Pdh Tj = +2°C	2.40 kW	2.50 kW
COP Tj = +2°C	4.50	3.20
Pdh Tj = +7°C	2.00 kW	1.40 kW
COP Tj = +7°C	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50

Pdh Tj = Tbiv	3.70 kW	3.80 kW
COP Tj = Tbiv	3.00	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.40 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	14 W	14 W
PSB	9 W	9 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	1884 kWh	2708 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	130 %
COP	3.26
Heating up time	1:36 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	243 l

Model: Loria 6004 (LFC)

Configure model	
Model name	Loria 6004 (LFC)
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Phase-out Date	14.03.2024

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
COP	5.19	2.64

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	181 %	127 %
Prated	4.00 kW	4.00 kW
SCOP	4.60	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.70 kW	3.80 kW
COP Tj = -7°C	3.00	2.00
Pdh Tj = +2°C	2.40 kW	2.50 kW
COP Tj = +2°C	4.50	3.20
Pdh Tj = +7°C	2.00 kW	1.40 kW
COP Tj = +7°C	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50

Pdh Tj = Tbiv	3.70 kW	3.80 kW
COP Tj = Tbiv	3.00	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.40 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	14 W	14 W
PSB	9 W	9 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	1884 kWh	2708 kWh