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#### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### 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	RISE CERT		
Subtype title	Loria 6004	Loria 6004		
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.1 kg	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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.58 kW	3.82 kW	
El input	0.48 kW	1.41 kW	
СОР	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

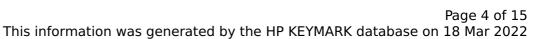


### Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

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)	

Low temperature	Medium temperature
181 %	127 %
4.00 kW	4.00 kW
4.60	3.25
-7 °C	-7 °C
-10 °C	-10 °C
3.70 kW	3.80 kW
3.00	2.00
2.40 kW	2.50 kW
4.50	3.20
2.00 kW	1.40 kW
6.40	4.40
2.30 kW	2.10 kW
8.70	6.50
	4.60 -7 °C -10 °C 3.70 kW 3.00 2.40 kW 4.50 2.00 kW 6.40 2.30 kW





This information was generated by the HF RETMARK database on 10 Mai 2022			
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	
РТО	14 W	14 W	
PSB	9 W	9 W	
PCK	0 W	o 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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.58 kW	3.82 kW	
El input	0.48 kW	1.41 kW	
СОР	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)	

Low temperature	Medium temperature
181 %	127 %
4.00 kW	4.00 kW
4.60	3.25
-7 °C	-7 °C
-10 °C	-10 °C
3.70 kW	3.80 kW
3.00	2.00
2.40 kW	2.50 kW
4.50	3.20
2.00 kW	1.40 kW
6.40	4.40
2.30 kW	2.10 kW
8.70	6.50
	4.60 -7 °C -10 °C 3.70 kW 3.00 2.40 kW 4.50 2.00 kW 6.40 2.30 kW





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
РТО	14 W	14 W
PSB	9 W	9 W
PCK	o w	o 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 %	
СОР	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 I	

# 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	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.58 kW	3.82 kW	
El input	0.48 kW	1.41 kW	
СОР	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
$\eta_{s}$	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 = $-7^{\circ}$ C	3.70 kW	3.80 kW
COP Tj = $-7^{\circ}$ C	3.00	2.00
Pdh Tj = $+2$ °C	2.40 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.50	3.20
Pdh Tj = $+7^{\circ}$ C	2.00 kW	1.40 kW
$COPTj = +7^{\circ}C$	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50



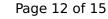
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Pdh Tj = Tbiv	3.70 kW	3.80 kW
COP Tj = Tbiv	3.00	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.40 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	9 W	9 W
РТО	14 W	14 W
PSB	9 W	9 W
PCK	o w	o 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 %	
СОР	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 I	

# 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	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.58 kW	3.82 kW
El input	0.48 kW	1.41 kW
СОР	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
$\eta_{S}$	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 = $+7^{\circ}$ C	2.00 kW	1.40 kW
$COP Tj = +7^{\circ}C$	6.40	4.40
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.70	6.50
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	*	
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