

Page 1 of 12

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

#### <u>Login</u>

Summary of	Loria 6010 R32	Reg. No.	012-C700124	
Certificate Holder		<u> </u>		
Name	Groupe Atlantic	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000	
City	La Roche Sur Yon	Country	France	
Certification Body	RISE CERT			
Subtype title	Loria 6010 R32			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.63 kg			
Certification Date	08.09.2021			
Testing basis	EN 14511:2018, EN 14825:2018, EN	12102:2017, EN 161	47:2017	



# Model: Loria 6010 R32

Configure model		
Model name	Loria 6010 R32	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.80 kW	9.50 kW
El input	2.16 kW	3.33 kW
СОР	4.53	2.85

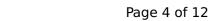
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	139 %
Prated	8.70 kW	8.60 kW
SCOP	4.73	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.70 kW	7.60 kW
COP Tj = -7°C	3.08	2.14
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.70 kW	4.60 kW
COP Tj = +2°C	4.63	3.46
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	3.80 kW	3.60 kW
COP Tj = +7°C	6.41	4.74
Cdh Tj = +7 °C	0.970	0.970

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	4.30 kW	4.20 kW
COP Tj = 12°C	7.11	6.40
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.70 kW	7.60 kW
COP Tj = Tbiv	3.08	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	7.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	4 W	4 W
РТО	20 W	21 W
PSB	8 W	8 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	0.90 kW
Annual energy consumption Qhe	3796 kWh	5014 kWh



# Model: Loria Duo 6010 R32

Configure model		
Model name	Loria Duo 6010 R32	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.80 kW	9.50 kW
El input	2.16 kW	3.33 kW
СОР	4.53	2.85

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	139 %
Prated	8.70 kW	8.60 kW
SCOP	4.73	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.70 kW	7.60 kW
COP Tj = -7°C	3.08	2.14
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.70 kW	4.60 kW
COP Tj = +2°C	4.63	3.46
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	3.80 kW	3.60 kW
COP Tj = +7°C	6.41	4.74
Cdh Tj = +7 °C	0.970	0.970

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





	-	
Pdh Tj = 12°C	4.30 kW	4.20 kW
COP Tj = 12°C	7.11	6.40
Cdh Tj = +12 °C	0.970	0.970
Pdh Tj = Tbiv	7.70 kW	7.60 kW
COP Tj = Tbiv	3.08	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	7.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	4 W	4 W
РТО	20 W	21 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	0.90 kW
Annual energy consumption Qhe	3796 kWh	5014 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	L
Efficiency ηDHW	132 %	132 %
СОР	3.30	3.30
Heating up time	1:15 h:min	1:15 h:min
Standby power input	35.0 W	35.0 W
Reference hot water temperature	52.5 °C	52.5 °C
Mixed water at 40°C	245	245 I



# Model: Loria Duo 6010 2C R32

Configure model		
Model name Loria Duo 6010 2C R32		
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		

### Heating

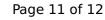
EN 14511-2			
Low temperature Medium temperature			
Heat output	9.80 kW	9.50 kW	
El input	2.16 kW	3.33 kW	
СОР	4.53	2.85	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	186 %	139 %
Prated	8.70 kW	8.60 kW
SCOP	4.73	3.54
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.70 kW	7.60 kW
COP Tj = -7°C	3.08	2.14
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.70 kW	4.60 kW
COP Tj = +2°C	4.63	3.46
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	3.80 kW	3.60 kW
COP Tj = +7°C	6.41	4.74
Cdh Tj = +7 °C	0.970	0.970





4.30 kW	4.20 kW
7.11	6.40
0.970	0.970
7.70 kW	7.60 kW
3.08	2.14
7.30 kW	7.70 kW
2.77	1.88
0.990	0.990
55 °C	55 °C
4 W	4 W
20 W	21 W
8 W	8 W
0 W	0 W
Electricity	Electricity
1.40 kW	0.90 kW
3796 kWh	5014 kWh
	7.11  0.970  7.70 kW  3.08  7.30 kW  2.77  0.990  55 °C  4 W  20 W  8 W  0 W  Electricity  1.40 kW

### Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	L
Efficiency ηDHW	132 %	132 %
COP	3.30	3.30
Heating up time	1:15 h:min	1:15 h:min
Standby power input	35.0 W	35.0 W
Reference hot water temperature	52.5 °C	52.5 °C
Mixed water at 40°C	245	245 I