Subtype Loria 6003 R32

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Loria 6003 R32
Registration number	012-C700120
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.97 kg
Certification Date	08.09.2021
Testing basis	EN 14511:2018, EN 14825:2018, EN 12102:2017, EN 16147:2017
Testing laboratory	CETIAT, FR

Model Loria Duo 6003 R32	
Model name	Loria Duo 6003 R32
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	132 %
COP	3.30
Heating up time	1:45 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °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	3.30 kW	3.10 kW
El input	0.65 kW	1.22 kW
COP	5.07	2.55

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	181 %	126 %
Prated	4.40 kW	4.20 kW

SCOP	4.60	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.70 kW
COP Tj = -7°C	3.09	1.96
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	2.40 kW	2.30 kW
COP Tj = +2°C	4.43	3.09
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.10 kW	2.20 kW
COP Tj = +7°C	6.07	4.48
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.85	6.19
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	3.90 kW	3.70 kW
COP Tj = Tbiv	3.09	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.90 kW	3.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.63
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	9 W	9 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	0.90 kW
Annual energy consumption Qhe	1977 kWh	2694 kWh

Model Loria Duo 6003 2C R32

Model name	Loria Duo 6003 2C R32
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	132 %
COP	3.30
Heating up time	1:45 h:min
Standby power input	31.0 W
Reference hot water temperature	52.5 °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	3.30 kW	3.10 kW
El input	0.65 kW	1.22 kW
COP	5.07	2.55

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	181 %	126 %
Prated	4.40 kW	4.20 kW

SCOP	4.60	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.70 kW
COP Tj = -7°C	3.09	1.96
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	2.40 kW	2.30 kW
COP Tj = +2°C	4.43	3.09
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.10 kW	2.20 kW
COP Tj = +7°C	6.07	4.48
Cdh Tj = +7 °C	0.970	0.980
Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.85	6.19
Cdh Tj = +12 °C	0.970	0.980
Pdh Tj = Tbiv	3.90 kW	3.70 kW
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WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	9 W	9 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.50 kW	0.90 kW
Annual energy consumption Qhe	1977 kWh	2694 kWh