


	Heat Pump KEYMARK	
Annex D2 012-013		Rev.-No.: 2 Date: 2017-07-24 Page: 1 of 1

Picture of certificate with main contents

Certificate holder	ATLANTIC GROUP Rue des Fondateurs, BP64 59660 Merville, France
Production sites	59660 Merville France and JIADING CHINA
Product	Heat Pumps
Product Type	Outdoor Air/Water
Sub type and Models	Loria 6004, Loria duo 6004 and Loria 6004 2C duo
Testing basis	EN 14511:2013-12 EN 16147:2011-04 EN 14825:2013-12 EN 12102:2013-10 KEYMARK Certification Scheme for Heat Pumps (2017-03-17)
Mark of conformity	
Registration No.	012-013
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex D1 for detailed information.
Validity	2026-07-26 To check the validity of this certificate, please visit www.sp.se

	Heat Pump KEYMARK	
Annex D1 012-013 Data sheet template		Rev.-No.: 2 Date: 2017-07-24 Page: 1 of 5

Data has to be declared for all Models inside a subtype.

1.OUTDOOR AIR / WATER	2
2.HEAT PUMPS FOR DOMESTIC HOT WATER (DHW)	5

Note: for some declared data, the number of significant figures to give is indicated.

Certificate data	
Certificate holder name	ATLANTIC GROUP
Address	rue des fondeurs 59660 Merville FRANCE
Type of heat pump	OUTDOOR AIR/WATER
Reg. No.	012-013
Certification Body	RISE Certifiering
Name of testing laboratory	RISE Sweden



Heat Pump KEYMARK



Annex D1 012-013
Data sheet template

Rev.-No.: 2
Date: 2017-07-24
Page: 2 of 5

1. Outdoor air/Water heat pumps

	Loria 6004	Loria duo 6004	Loria duo 2C 6004
General data			
Refrigerant	R410A		
Mass of refrigerant [kg]	1.1		
Frequency [Hz]	50		
Voltage [V]	230		
Test points EN 14511-2 Air/Water heat pump			
A7/W35			
heat output [kW]	2.58		
EI input [kW]	0.48		
COP	5.19		
Indoor water flow rate [m ³ /h]	0.7		
A7/W55			
heat output [kW]	3.82		
EI input [kW]	1.41		
COP	2.64		
Indoor water flow rate [m ³ /h]	0.4		
Test points EN 14511-4			
Operating Range outdoor exchanger/indoor exchanger lower limit/lower limit			
Please state if the requirement is passed or failed	Passed		
Operating Range outdoor exchanger/indoor exchanger upper limit/ upper limit			
Please state if the requirement is passed or failed	Passed		
Shutting off the heat transfer medium flows- indoor and outdoor heat exchangers			
Please state if each requirement is passed or failed	Passed		
Complete power supply failure			
Please state if the requirement is passed or failed	Passed		
Defrost test (Air/Water heat pumps)			
Please state if the requirement is passed or failed	Passed		



Heat Pump KEYMARK



Annex D1 012-013
Data sheet template

Rev.-No.: 2
Date: 2017-07-24
Page: 3 of 5

Average Climate Low temperature application	
Sound power level according EN 12102 (only for low temperature heat pumps)	
Sound power level indoor [dB(A)]	44
Sound power level outdoor [dB(A)]	62
Declared data according EN14825	
η_s	181
P_{rated} [kW]	4
SCOP	4,60
T_{biv} [°C]	-7
TOL [°C]	-10
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j	
Pdh: $T_j = -7$ °C [kW]	3.7
COPd: $T_j = -7$ °C	3.0
Pdh: $T_j = +2$ °C [kW]	2.4
COPd: $T_j = +2$ °C	4.5
Pdh: $T_j = +7$ °C [kW]	2.0
COPd: $T_j = +7$ °C	6.4
Pdh: $T_j = +12$ °C [kW]	2.3
COPd: $T_j = +12$ °C	8.7
Pdh: $T_j = T_{biv}$ [kW]	3.7
COPd: $T_j = T_{biv}$	3.0
Pdh: $T_j = TOL$ [kW]	3.4
COPd: $T_j = TOL$	2.6
Cdh	0.9
WTOL [°C]	55
P_{OFF} [W]	9
P_{TO} [W]	14
P_{SB} [W]	9
P_{CK} [W]	0
Supplementary heater: Type of energy input (e.g. electricity)	Electricity
Supplementary heater : P_{SUP} [kW]	0,8
Annual energy consumption Q_{HE} [kWh]	1884



Heat Pump KEYMARK



Annex D1 012-013
Data sheet template

Rev.-No.: 2
Date: 2017-07-24
Page: 4 of 5

Average Climate Medium temperature application	
Sound power level according EN 12102	
Sound power level indoor [dB(A)]	44
Sound power level outdoor [dB(A)]	62
Declared data according EN14825	
η_s	127
P_{rated} [kW]	4
SCOP	3,25
T_{biv} [°C]	-7
TOL [°C]	-10
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j	
Pdh: $T_j = -7$ °C [kW]	3.8
COPd: $T_j = -7$ °C	2.0
Pdh: $T_j = +2$ °C [kW]	2.5
COPd: $T_j = +2$ °C	3.2
Pdh: $T_j = +7$ °C [kW]	1.4
COPd: $T_j = +7$ °C	4.4
Pdh: $T_j = +12$ °C [kW]	2.1
COPd: $T_j = +12$ °C	6.5
Pdh: $T_j = T_{biv}$ [kW]	3.8
COPd: $T_j = T_{biv}$	2.0
Pdh: $T_j = TOL$ [kW]	3.2
COPd: $T_j = TOL$	1.6
Cdh	0.9
WTOL [°C]	55
P_{OFF} [W]	9
P_{TO} [W]	14
P_{SB} [W]	9
P_{CK} [W]	0
Supplementary heater: Type of energy input.	Electricity
Supplementary heater: P_{SUP} [kW]	1,1
Annual energy consumption Q_{HE} [kWh]	2708



Heat Pump KEYMARK



Annex D1 012-013
Data sheet template

Rev.-No.: 2
Date: 2017-07-24
Page: 5 of 5

2. Heat pumps for Domestic Hot Water (DHW)

	Loria Duo 6004	Loria Duo 2C 6004
General data		
Refrigerant	R410A	
Mass of refrigerant [kg]	1,1	
Frequency [Hz]	50	
Voltage [V]	230	
Off-peak product (yes/no)	No	
Sound power level according to EN standard when available		
Sound power level indoor [dB(A)]	44	
Technical data – according EN16147		
Average Climate		
Declared load profile	L	
Efficiency η_{dhw} [%]	130	
COP	3.26	
Heating up time [h:min]	1:36	
Standby power input [W]	31	
Reference hot water temperature [°C]	52,5	
Mixed water at 40°C [l]	243	