

	Heat Pump KEYMARK	
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Picture of certificate with main contents


Certificate holder	ATLANTIC GROUP Rue des Fondateurs, BP64 59660 Merville, France
Production sites	59660 Merville France and Jianding CHINA
Product	Heat Pumps
Product Type	Air/Water
Sub type and Models	Alféa Hybrid Duo Gaz R6
Testing basis	EN 14511:2013-12 EN 14825:2013-12 EN 12102:2013-10 KEYMARK Certification Scheme for Heat Pumps (2015-06)
Mark of conformity	
Registration No.	012-020
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	2026-12-19 To check the validity of this certificate, please visit www.sp.se

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1. AIR/WATER HEAT PUMPS


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Certificate data	
Certificate holder name	ATLANTIC GROUP
Address	rue des fondeurs 59660 Merville FRANCE
Type of heat pump	AIR/WATER
Reg. No.	012-020
Certification Body	SP Certifiering
Name of testing laboratory	SP Energy and Bioeconomy


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1. Air/Water heat pumps

Alféa Hybrid Duo Gaz R6	
General data	
Refrigerant	R410A
Mass of refrigerant [kg]	1.1
GWP EN 517/2014 (kg equivalents CO ₂)	2087
Frequency [Hz]	50
Voltage [V]	230
Test points EN 14511-2 Air/Water heat pump	
A7/W35	
heat output [kW]	5.90
El input [kW]	1.35
COP	4.37
A7/W55	
heat output [kW]	4.50
El input [kW]	1.79
COP	2.51
Test points EN 14511-4	
operating Range A20/W17 lower limit-lower limit (min)	
Please state if the requirement is passed or failed	Passed
operating Range A35/W55 upper limit- upper limit (min)	
Please state if the requirement is passed or failed	Passed
Shutting off the heat transfer medium flow	
Please state if the requirement is passed or failed	Passed
Complete power supply failure	
Please state if the requirement is passed or failed	Passed
Defrost test only for AirT Water heat pumps	
Please state if the requirement is passed or failed	Passed

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Average Climate Low temperature application		
Declared values EN 14825		
T_{biv} [°C]		
heat output [kW]		5.90
El input [kW]		1.35
COP		4.37
Sound power level according EN 12102		
Sound power level indoor [dB(A)]		46
Sound power level outdoor [dB(A)]		63
Declared data regarding ErP regulation		
η_s		169
P_{rated} [kW]		5
SCOP		4.30
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
Pdh: $T_j = -7$ °C [kW]		4.6
COPd: $T_j = -7$ °C		2.7
Pdh: $T_j = +2$ °C [kW]		2.8
COPd: $T_j = +2$ °C		4.2
Pdh: $T_j = +7$ °C [kW]		2.3
COPd: $T_j = +7$ °C		6.0
Pdh: $T_j = +12$ °C [kW]		2.3
COPd: $T_j = +12$ °C		8.3
Pdh: $T_j =$ bivalent temperature [kW]		4.6
COPd: $T_j =$ bivalent temperature [kW]		2.7
Pdh: $T_j = TOL$ [kW]		4.5
COPd: $T_j = TOL$		2.6
T_{biv} [°C]		-7
TOL [°C]		-10
WTOL [°C]		80
Annual energy consumption Q_{HE} [kWh]		2505
P_{OFF} [W]		6
P_{TO} [W]		23
P_{SB} [W]		10
P_{CK} [W]		0
P_{SUP} [kW]		0.7
Type of energy input		Gas

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Average Climate Medium temperature application		
Declared values EN 14825		
T_{biv} [°C]		
heat output [kW]		4.50
El input [kW]		1.79
COP		2.51
Sound power level according EN 12102		
Sound power level indoor [dB(A)]		46
Sound power level outdoor [dB(A)]		63
Declared data regarding ErP regulation		
η_s		115
P_{rated} [kW]		5
SCOP		2.95
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature T_j		
Pdh: $T_j = -7$ °C [kW]		4.0
COPd: $T_j = -7$ °C		1.8
Pdh: $T_j = +2$ °C [kW]		2.5
COPd: $T_j = +2$ °C		2.9
Pdh: $T_j = +7$ °C [kW]		1.7
COPd: $T_j = +7$ °C		4.0
Pdh: $T_j = +12$ °C [kW]		2.1
COPd: $T_j = +12$ °C		5.8
Pdh: $T_j =$ bivalent temperature [kW]		4.0
COPd: $T_j =$ bivalent temperature [kW]		1.8
Pdh: $T_j = TOL$ [kW]		3.5
COPd: $T_j = TOL$		1.6
T_{biv} [°C]		-7
TOL [°C]		-10
WTOL [°C]		80
Annual energy consumption Q_{HE} [kWh]		3180
P_{OFF} [W]		6
P_{TO} [W]		16
P_{SB} [W]		10
P_{CK} [W]		0
P_{SUP} [kW]		1.0
Type of energy input		Gas