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Login

Summary of	Alféa Extensa +5	Reg. No.	012-007	
Certificate Holder				
Name	Groupe Atlantic	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	Alféa Extensa +5	Alféa Extensa +5		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410A	R410A		
Mass of Refrigerant	1.1 kg	1.1 kg		



Model: Alféa Extensa +5

Configure model		
Model name	Alféa Extensa +5	
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	

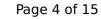
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.50 kW	4.50 kW	
El input	1.00 kW	1.79 kW	
СОР	4.52	2.51	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
Low temperature	Medium temperature	
169 %	115 %	
4.00 kW	4.00 kW	
4.30	2.95	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.00 kW	3.80 kW	
2.90	1.90	
2.40 kW	2.30 kW	
4.10	2.80	
2.00 kW	1.70 kW	
5.00	4.00	
2.30 kW	2.10 kW	
8.10	5.80	
	Low temperature 169 % 4.00 kW 4.30 -7 °C -10 °C 4.00 kW 2.90 2.40 kW 4.10 2.00 kW 5.00 2.30 kW	





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Pdh Tj = Tbiv	4.00 kW	3.80 kW
COP Tj = Tbiv	2.90	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.90 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	6 W	6 W
РТО	19 W	17 W
PSB	10 W	10 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	1.10 kW
Annual energy consumption Qhe	2160 kWh	3027 kWh



Model: Alféa Extensa Duo +5

Configure model		
Model name Alféa Extensa Duo +5		
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 14511-4		
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		
Defrost test	passed	

EN 14511-2		
Low temperature Medium temperature		
Heat output	4.50 kW	4.50 kW
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СОР	4.52	2.51



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5.00	4.00	
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Annual energy consumption Qhe	2160 kWh	3027 kWh

Domestic Hot Water (DHW)

Average Climate



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EN 16147	
Declared load profile	L
Efficiency ηDHW	120 %
СОР	3.00
Heating up time	1:45 h:min
Standby power input	32.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	249 I

CEN heat pump

Model: Alféa Extensa A.I. 5

Configure model		
Model name	Alféa Extensa A.I. 5	
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 14511-4	
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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.50 kW	4.50 kW
El input	1.00 kW	1.79 kW
СОР	4.52	2.51

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	169 %	115 %
Prated	4.00 kW	4.00 kW
SCOP	4.30	2.95
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.00 kW	3.80 kW
COP Tj = -7°C	2.90	1.90
Pdh Tj = +2°C	2.40 kW	2.30 kW
COP Tj = +2°C	4.10	2.80
Pdh Tj = +7°C	2.00 kW	1.70 kW
COP Tj = +7°C	5.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.10	5.80



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4.00 kW	3.80 kW
2.90	1.90
3.90 kW	3.20 kW
2.70	1.50
0.90	0.90
55 °C	55 °C
6 W	6 W
19 W	17 W
10 W	10 W
o w	0 W
Electricity	Electricity
0.60 kW	1.10 kW
2160 kWh	3027 kWh
	3.90 kW 2.70 0.90 55 °C 6 W 19 W 10 W 0 W Electricity 0.60 kW



Model: Alféa Extensa Duo A.I. 5

Configure model		
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Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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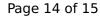
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COP Tj = -7° C	2.90	1.90
Pdh Tj = $+2$ °C	2.40 kW	2.30 kW
$COPTj = +2^{\circ}C$	4.10	2.80
Pdh Tj = $+7^{\circ}$ C	2.00 kW	1.70 kW
COP Tj = +7°C	5.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
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