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

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			
Refrigerant	R410A	R410A		
Mass of Refrigerant	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 14511-2			
	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 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	



Average Climate

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

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	





This information was generated by the HF RETMARK database on 16 Mar 2022			
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	o 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 14511-2			
	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 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	

Average Climate

CEN heat pump KEYMARK

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	
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4.10	2.80	
2.00 kW	1.70 kW	
5.00	4.00	
2.30 kW	2.10 kW	
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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

Domestic Hot Water (DHW)

Average Climate



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

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 14511-2			
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 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

Average Climate

	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 = $+7^{\circ}$ C	2.00 kW	1.70 kW
$COP Tj = +7^{\circ}C$	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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WTOL	55 °C	55 °C
Poff	6 W	6 W
РТО	19 W	17 W
PSB	10 W	10 W
PCK	o w	o 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 A.I. 5

Configure model		
Model name	Alféa Extensa Duo A.I. 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	
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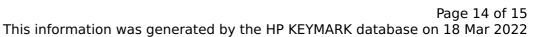
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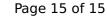




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