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

#### **Login**

Summary of	Alféa Extensa +10	Reg. No.	012-010	
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 +10	Alféa Extensa +10		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410A	R410A		
Mass of Refrigerant	1.8 kg			

# Model: Alféa Extensa +10

Configure model		
Model name	Alféa Extensa +10	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.00 kW	7.00 kW
El input	2.49 kW	2.86 kW
СОР	4.02	2.45

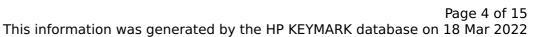
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	



### Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	155 %	113 %
Prated	8.00 kW	8.00 kW
SCOP	3.95	2.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	7.50 kW	6.70 kW
COP Tj = $-7^{\circ}$ C	2.40	1.70
Pdh Tj = $+2$ °C	4.50 kW	4.10 kW
$COP Tj = +2^{\circ}C$	3.80	2.70
Pdh Tj = $+7$ °C	3.50 kW	3.20 kW
COP Tj = +7°C	5.70	4.10
Pdh Tj = 12°C	4.00 kW	4.00 kW
COP Tj = 12°C	7.20	5.70





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Pdh Tj = Tbiv	7.50 kW	6.70 kW	
COP Tj = Tbiv	2.40	1.70	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.40	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90	
WTOL	55 °C	55 °C	
Poff	5 W	5 W	
РТО	43 W	22 W	
PSB	8 W	8 W	
PCK	o w	o w	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	1.40 kW	1.70 kW	
Annual energy consumption Qhe	4415 kWh	5415 kWh	



# Model: Alféa Extensa Duo +10

Configure model		
Model name	Alféa Extensa Duo +10	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.00 kW	7.00 kW
El input	2.49 kW	2.86 kW
СОР	4.02	2.45

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	69 dB(A)	69 dB(A)

EN 14825	
Low temperature	Medium temperature
155 %	113 %
8.00 kW	8.00 kW
3.95	2.90
-7 °C	-7 °C
-10 °C	-10 °C
7.50 kW	6.70 kW
2.40	1.70
4.50 kW	4.10 kW
3.80	2.70
3.50 kW	3.20 kW
5.70	4.10
4.00 kW	4.00 kW
7.20	5.70
	Low temperature  155 %  8.00 kW  3.95  -7 °C  -10 °C  7.50 kW  2.40  4.50 kW  3.80  3.50 kW  5.70  4.00 kW





Pdh Tj = Tbiv	7.50 kW	6.70 kW
COP Tj = Tbiv	2.40	1.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.40
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	55 °C	55 °C
Poff	5 W	5 W
PTO	43 W	22 W
PSB	8 W	8 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	1.70 kW
Annual energy consumption Qhe	4415 kWh	5415 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. 10

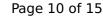
Configure model		
Model name Alféa Extensa A.I. 10		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data	
Power supply	1x230V 50Hz
Phase-out Date	12.03.2024

### Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825			
	Low te	emperature Mediu	m temperature
$\eta_{S}$	155 %	113 %	
Prated	8.00 kV	W 8.00 kW	V
SCOP	3.95	2.90	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	





Pdh Tj = -7°C	7.50 kW	6.70 kW
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Pdh Tj = +2°C	4.50 kW	4.10 kW
COP Tj = +2°C	3.80	2.70
Pdh Tj = $+7^{\circ}$ C	3.50 kW	3.20 kW
$COP Tj = +7^{\circ}C$	5.70	4.10
Pdh Tj = 12°C	4.00 kW	4.00 kW
COP Tj = 12°C	7.20	5.70
Pdh Tj = Tbiv	7.50 kW	6.70 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	5.90 kW
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### Heating

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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	10.00 kW	7.00 kW
El input	2.49 kW	2.86 kW
СОР	4.02	2.45



## Model: Alféa Extensa Duo A.I. 10

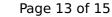
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Model name	Alféa Extensa Duo A.I. 10	
Application	Heating + DHW + low temp	
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Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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Power supply	1x230V 50Hz	
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Tbiv	-7 °C	-7 °C
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	·	





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Pdh Tj = 12°C	4.00 kW	4.00 kW
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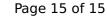
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Domestic Hot Water (DHW)

**Average Climate** 





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