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#### This information was generated by the HP KEYMARK database on 21 Jun 2022

#### **Login**

Summary of	THERMOR Alféa Extensa A.I. size 10	Reg. No.	012-SC0225-19
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	THERMOR Alféa Extensa A.I. size 10		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.8 kg		
Certification Date	05.06.2019		



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# Model: THERMOR Alféa Extensa Duo A.I. 10

Configure model			
Model name	THERMOR Alféa Extensa Duo A.I. 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 14511-4		
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	10.00 kW	7.00 kW
El input	2.49 kW	2.86 kW
СОР	4.02	2.45

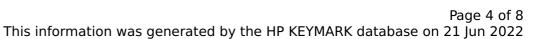
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### Average Climate

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	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** 





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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	

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## Model: THERMOR Alféa Extensa A.I. 10

Configure model		
Model name	THERMOR 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	

### Heating

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

Average Climate

#### This information was generated by the HP KEYMARK database on 21 Jun 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			

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WTOL	55 °C	55 °C
Poff	5 W	5 W
PTO	43 W	22 W
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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