

Page 1 of 8 This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	THERMOR Alféa Extensa A.I. size 6	Reg. No.	012-SC0223-19
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis Zip 85000		85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	THERMOR Alféa Extensa A.I. size 6		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	05.06.2019		

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

Model: THERMOR Alféa Extensa Duo A.I. 6

Configure model			
Model name THERMOR Alféa Extensa Duo A.I. 6			
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	6.00 kW	4.50 kW	
El input	1.41 kW	1.79 kW	
СОР	4.26	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	

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

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	5.00 kW	5.00 kW
SCOP	4.30	2.95
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.00 kW
COP Tj = -7°C	2.70	1.80
Pdh Tj = +2°C	2.80 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.20	2.90
Pdh Tj = $+7^{\circ}$ C	2.30 kW	1.70 kW
$COP Tj = +7^{\circ}C$	6.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.30	5.80

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



This information was generated by the fir RETHARK database on 10 Mai 2022			
4.60 kW	4.00 kW		
2.70	1.80		
4.50 kW	3.50 kW		
2.60	1.60		
0.90	0.90		
55 °C	55 °C		
6 W	6 W		
23 W	16 W		
10 W	10 W		
o w	0 W		
Electricity	Electricity		
0.70 kW	1.00 kW		
2505 kWh	3180 kWh		
	4.60 kW 2.70 4.50 kW 2.60 0.90 55 °C 6 W 23 W 10 W 0 W Electricity 0.70 kW		

Domestic Hot Water (DHW)

CEN heat pump KEYMARK

Average Climate





 $$\operatorname{\textit{Page}}\xspace\:5\:\:\text{of}\:8\:$ This information was generated by the HP KEYMARK database on 18 Mar 2022

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	



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

Model: THERMOR Alféa Extensa A.I. 6

Configure model		
Model name THERMOR Alféa Extensa A.I. 6		
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	6.00 kW	4.50 kW	
El input	1.41 kW	1.79 kW	
СОР	4.26	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		
169 %	115 %		
5.00 kW	5.00 kW		
4.30	2.95		
-7 °C	-7 °C		
-10 °C	-10 °C		
4.60 kW	4.00 kW		
2.70	1.80		
2.80 kW	2.50 kW		
4.20	2.90		
2.30 kW	1.70 kW		
6.00	4.00		
2.30 kW	2.10 kW		
8.30	5.80		
	Low temperature 169 % 5.00 kW 4.30 -7 °C -10 °C 4.60 kW 2.70 2.80 kW 4.20 2.30 kW 6.00 2.30 kW		

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 8 of 8 This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.60 kW	4.00 kW
COP Tj = Tbiv	2.70	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
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	23 W	16 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.00 kW
Annual energy consumption Qhe	2505 kWh	3180 kWh