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Login

Summary of	THERMOR Alféa Extensa A.I. size 8	Reg. No.	012-SC0224-19	
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 8	THERMOR Alféa Extensa A.I. size 8		
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.4 kg			
Certification Date	05.06.2019			

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Model: THERMOR Alféa Extensa Duo A.I. 8

Configure model			
Model name	THERMOR Alféa Extensa Duo A.I. 8		
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	7.50 kW	5.00 kW	
El input	1.84 kW	1.94 kW	
СОР	4.08	2.58	

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	

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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	
156 %	118 %	
7.00 kW	6.00 kW	
3.97	3.02	
-7 °C	-7 °C	
-10 °C	-10 °C	
5.80 kW	5.30 kW	
2.40	1.80	
3.50 kW	3.10 kW	
3.80	2.90	
2.30 kW	2.00 kW	
5.70	4.10	
2.40 kW	2.20 kW	
8.20	5.80	
	Low temperature 156 % 7.00 kW 3.97 -7 °C -10 °C 5.80 kW 2.40 3.50 kW 3.80 2.30 kW 5.70 2.40 kW	

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5.80 kW	5.30 kW		
2.40	1.80		
5.60 kW	4.90 kW		
2.00	1.50		
0.90	0.90		
55 °C	55 °C		
6 W	6 W		
30 W	16 W		
9 W	9 W		
o w	o w		
Electricity	Electricity		
0.90 kW	1.20 kW		
3375 kWh	3836 kWh		
	5.80 kW 2.40 5.60 kW 2.00 0.90 55 °C 6 W 30 W 9 W 0 W Electricity 0.90 kW		

Domestic Hot Water (DHW)

CEN heat pump KEYMARK

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	3.00	
Heating up time	01:45 h:min	
Mixed water at 40°C	249	
Standby power input	32.0 W	
Reference hot water temperature	54.0 °C	



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Model: THERMOR Alféa Extensa A.I. 8

Configure model			
Model name THERMOR Alféa Extensa A.I. 8			
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	7.50 kW	5.00 kW	
El input	1.84 kW	1.94 kW	
СОР	4.08	2.58	

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		
η_{s}	156 %	118 %		
Prated	7.00 kW	6.00 kW		
SCOP	3.97	3.02		
Tbiv	-7 °C	-7 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7° C	5.80 kW	5.30 kW		
COP Tj = -7° C	2.40	1.80		
Pdh Tj = $+2$ °C	3.50 kW	3.10 kW		
$COPTj = +2^{\circ}C$	3.80	2.90		
Pdh Tj = $+7^{\circ}$ C	2.30 kW	2.00 kW		
COP Tj = +7°C	5.70	4.10		
Pdh Tj = 12°C	2.40 kW	2.20 kW		
COP Tj = 12°C	8.20	5.80		

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Pdh Tj = Tbiv	5.80 kW	5.30 kW
COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	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
PTO	30 W	16 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	3375 kWh	3836 kWh