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#### <u>Login</u>

Summary of	THERMOR Alféa Extensa A.I. 5 R32	Reg. No.	012-C700009	
Certificate Holder	'	<u> </u>		
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	THERMOR Alféa Extensa A.I. 5 R32			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	0.97 kg			
Certification Date	04.03.2020			
Testing basis	HP Keymark Scheme Rules rev 7			



# Model: THERMOR Alféa Extensa A.I. 5 R32

Configure model		
Model name	THERMOR Alféa Extensa A.I. 5 R32	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.50 kW	4.50 kW
El input	0.95 kW	1.70 kW
СОР	4.74	2.64

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Starting and operating test	passed	

#### **Average Climate**



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	175 %	125 %
Prated	5.00 kW	5.00 kW
SCOP	4.45	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.20 kW
COP Tj = -7°C	2.84	1.99
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	2.70 kW	2.50 kW
COP Tj = +2°C	4.40	3.11
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.90 kW
COP Tj = +7°C	5.85	4.25
Cdh Tj = +7 °C	0.96	0.97

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Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.39	5.91
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	4.40 kW	4.20 kW
COP Tj = Tbiv	2.84	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.71
WTOL	55 °C	55 °C
Poff	4 W	4 W
РТО	12 W	13 W
PSB	10 W	10 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	2322 kWh	3035 kWh

# Model: THERMOR Alféa Extensa Duo A.I. 5 R32

Configure model		
Model name	THERMOR Alféa Extensa Duo A.I. 5 R32	
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	

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.50 kW	4.50 kW
El input	0.95 kW	1.70 kW
СОР	4.74	2.64

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Starting and operating test	passed	

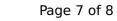
#### **Average Climate**



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	40 dB(A)	40 dB(A)		
Sound power level outdoor	57 dB(A)	57 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
$\eta_{s}$	175 %	125 %		
Prated	5.00 kW	5.00 kW		
SCOP	4.45	3.20		
Tbiv	-7 °C	-7 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	4.40 kW	4.20 kW		
COP Tj = -7°C	2.84	1.99		
Cdh Tj = -7 °C	0.96	0.97		
Pdh Tj = +2°C	2.70 kW	2.50 kW		
COP Tj = +2°C	4.40	3.11		
Cdh Tj = +2 °C	0.96	0.97		
Pdh Tj = +7°C	2.10 kW	1.90 kW		
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WTOL	55 °C	55 °C
Poff	4 W	4 W
РТО	12 W	13 W
PSB	10 W	10 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	2322 kWh	3035 kWh

## Domestic Hot Water (DHW)

### Average Climate





EN 16147			
Declared load profile	L		
Efficiency ηDHW	130 %		
СОР	3.10		
Heating up time	1:35 h:min		
Standby power input	30.0 W		
Reference hot water temperature	54.0 °C		
Mixed water at 40°C	245 I		