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Login

Summary of	THERMOR Alféa Excellia A.I. Tri size 16	Reg. No.	012-SC0221-19	
Certificate Holder				
Name	ame 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 Excellia A.I. Tri size 16			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	2.5 kg			
Certification Date	05.06.2019			



Model: THERMOR Alféa Excellia Duo A.I. Tri 16

Configure model		
Model name	THERMOR Alféa Excellia Duo A.I. Tri 16	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

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

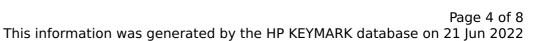
EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	88 W	32 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW
Annual energy consumption Qhe	7408 kWh	9062 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	88 %
СОР	2.30
Heating up time	0:46 h:min
Standby power input	40.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	250 I



Model: THERMOR Alféa Excellia A.I. Tri 16

Configure model		
Model name	THERMOR Alféa Excellia A.I. Tri 16	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

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