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<u>Login</u>			
Summary of	Alféa Excellia HP A.I. Tri 15	Reg. No.	012-SC0306-18
Certificate Holder	1		
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	Alféa Excellia HP A.I. Tri 15		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.8 kg		

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Model: Alféa Excellia HP A.I. Tri 15

Configure model		
Model name	Alféa Excellia HP A.I. Tri 15	
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

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	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
СОР	4.34	2.83

Average Climate

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _s	164 %	130 %
Prated	17.00 kW	16.00 kW
SCOP	4.18	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	15.40 kW	14.20 kW
COP Tj = -7°C	2.90	2.12
Pdh Tj = +2°C	9.40 kW	8.60 kW
COP Tj = +2°C	4.19	3.30
Pdh Tj = +7°C	6.70 kW	6.40 kW
COP Tj = +7°C	5.13	4.21
Pdh Tj = 12°C	8.00 kW	7.60 kW
COP Tj = 12°C	6.83	6.02
Pdh Tj = Tbiv	15.40 kW	14.20 kW

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COP Tj = Tbiv	2.90	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.93	0.97
WTOL	60 °C	60 °C
Poff	16 W	16 W
РТО	96 W	43 W
PSB	19 W	19 W
РСК	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.70 kW	2.70 kW
Annual energy consumption Qhe	8606 kWh	9915 kWh



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Model: Alféa Excellia HP Duo A.I. Tri 15

Configure model		
Model name Alféa Excellia HP Duo A.I. Tri 15		
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	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
СОР	4.34	2.83

Average Climate

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EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	45 dB(A)	45 dB(A)		
Sound power level outdoor	67 dB(A)	67 dB(A)		

EN 14825			
Low temperature	Medium temperature		
164 %	130 %		
17.00 kW	16.00 kW		
4.18	3.33		
-7 °C	-7 °C		
-10 °C	-10 °C		
15.40 kW	14.20 kW		
2.90	2.12		
9.40 kW	8.60 kW		
4.19	3.30		
6.70 kW	6.40 kW		
5.13	4.21		
8.00 kW	7.60 kW		
6.83	6.02		
15.40 kW	14.20 kW		
	Low temperature 164 % 17.00 kW 4.18 -7 °C -10 °C 15.40 kW 2.90 9.40 kW 4.19 6.70 kW 5.13 8.00 kW 6.83		

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COP Tj = Tbiv	2.90	2.12		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.70 kW	13.30 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.88		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.93	0.97		
WTOL	60 °C	60 °C		
Poff	16 W	16 W		
РТО	96 W	43 W		
PSB	19 W	19 W		
РСК	0 W	0 W		
Supplementary Heater: Type of energy input	Electricity	Electricity		
Supplementary Heater: PSUP	2.70 kW	2.70 kW		
Annual energy consumption Qhe	8606 kWh	9915 kWh		

Domestic Hot Water (DHW)

Average Climate

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EN 16147		
Declared load profile	L	
Efficiency ηDHW	109 %	
СОР	2.56	
Heating up time	0:54 h:min	
Standby power input	48.0 W	
Reference hot water temperature	54.2 °C	
Mixed water at 40°C	250 l	