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Summary of	Alféa Excellia HP A.I. Tri 17	Reg. No.	012-SC0307-18	
Certificate Holder	Certificate Holder			
Name	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	Alféa Excellia HP A.I. Tri 17	Alféa Excellia HP A.I. Tri 17		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R410a	R410a		
Mass Of Refrigerant	3.8 kg	3.8 kg		



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Model: Alféa Excellia HP A.I. Tri 17

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	17.11 kW	15.53 kW
El input	4.08 kW	5.52 kW
СОР	4.19	2.81

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	45 dB(A)	45 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	161 %	130 %
Prated	18.00 kW	17.00 kW
SCOP	4.11	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.00 kW	15.00 kW
COP Tj = -7°C	2.82	2.10
Pdh Tj = +2°C	9.70 kW	9.00 kW
COP Tj = +2°C	4.13	3.32
Pdh Tj = +7°C	6.80 kW	6.30 kW
COP Tj = +7°C	5.01	4.23
Pdh Tj = 12°C	8.00 kW	7.70 kW
COP Tj = 12°C	6.64	5.95
Pdh Tj = Tbiv	16.00 kW	15.00 kW
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COP Tj = Tbiv	2.82	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.80 kW	12.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.61	1.76
Cdh	0.92	0.97
WTOL	60 °C	60 °C
Poff	16 W	16 W
РТО	97 W	49 W
PSB	19 W	19 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	3.10 kW	4.10 kW
Annual energy consumption Qhe	9059 kWh	10232 kWh



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Model: Alféa Excellia HP Duo A.I. Tri 17

General Data	
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Heating

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El input	4.08 kW	5.52 kW
СОР	4.19	2.81

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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	

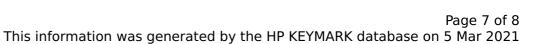
Average Climate



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Supplementary Heater: PSUP	3.10 kW	4.10 kW
Annual energy consumption Qhe	9059 kWh	10232 kWh

Domestic Hot Water (DHW)

CEN heat pump KEYMARK

Average Climate



48.0 W



Standby power input

This information was generated by the HP KEYMARK database on 5 Mar 2021 **EN 16147** Declared load profile Efficiency ηDHW 109 % COP 2.56 00:54 h:min Heating up time Reference hot water temperature 54.2 °C Mixed water at 40°C 250 I