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Summary of	Alféa Excellia HP A.I. 16	Reg. No.	012-SC0755-18
Certificate Holder			-
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT	·	
Name of testing laboratory	RISE		
Subtype title	Alféa Excellia HP A.I. 16		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.8 kg		



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Model: Alféa Excellia HP A.I. 16

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.46 kW	14.86 kW
El input	3.94 kW	5.65 kW
СОР	4.18	2.63
Indoor water flow rate	2.84 m³/h	1.62 m³/h

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



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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}	163 %	125 %
Prated	16.00 kW	14.00 kW
SCOP	4.15	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	14.20 kW	12.00 kW
COP Tj = -7°C	2.79	1.98
Pdh Tj = +2°C	8.70 kW	7.30 kW
COP Tj = +2°C	4.17	3.15
Pdh Tj = +7°C	7.00 kW	6.30 kW
COP Tj = +7°C	5.34	4.30
Pdh Tj = 12°C	8.10 kW	7.60 kW
COP Tj = 12°C	6.76	5.99
Pdh Tj = Tbiv	14.20 kW	12.00 kW

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COP Tj = Tbiv	2.79	1.98
Pdh Tj = TOL	14.10 kW	10.60 kW
COP Tj = TOL	2.54	1.75
Cdh	0.92	0.96
WTOL	65 °C	65 °C
Poff	19 W	19 W
РТО	100 W	46 W
PSB	23 W	23 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.00 kW	3.00 kW
Annual energy consumption Qhe	8014 kWh	8757 kWh



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Model: Alféa Excellia HP Duo A.I. 16

General Data	
Power supply	1x230V 50Hz

Heating

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El input	3.94 kW	5.65 kW
СОР	4.18	2.63
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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

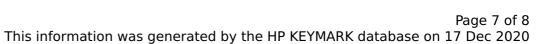


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	THIN database on 17 Dec 2020
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2.54	1.75
0.92	0.96
65 °C	65 °C
19 W	19 W
100 W	46 W
23 W	23 W
o w	0 W
electricity	electricity
2.00 kW	3.00 kW
8014 kWh	8757 kWh
	2.79 14.10 kW 2.54 0.92 65 °C 19 W 100 W 23 W 0 W electricity 2.00 kW

Domestic Hot Water (DHW)

CEN heat pump KEYMARK

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	