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#### **Login**

Summary of	Alféa Excellia HP A.I. 16	Reg. No.	012-SC0755-18
Certificate Holder			
Name	Groupe Atlantic	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. 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

Configure model		
Model name	Alféa Excellia HP A.I. 16	
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 14511-4		
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	16.46 kW	14.86 kW
El input	3.94 kW	5.65 kW
СОР	4.18	2.63

### **Average Climate**

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



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
$\eta_{s}$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	14.10 kW	10.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	o w	0 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



# Model: Alféa Excellia HP Duo A.I. 16

Configure model		
Model name	Alféa Excellia HP Duo A.I. 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	1x230V 50Hz	

## Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operacing range outdoor exchanger/indoor exchanger lower inflictiower infliction	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	16.46 kW	14.86 kW
El input	3.94 kW	5.65 kW
СОР	4.18	2.63

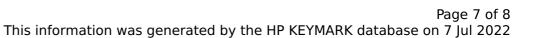
### **Average Climate**

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EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	45 dB(A)	45 dB(A)		
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EN 14825				
	Low temperature	Medium temperature		
$\eta_{s}$	163 %	125 %		
Prated	16.00 kW	14.00 kW		
SCOP	4.15	3.21		
Tbiv	-7 °C	-7 °C		
TOL	-10 °C	-10 °C		
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WTOL	65 °C	65 °C
Poff	19 W	19 W
РТО	100 W	46 W
PSB	23 W	23 W
PCK	o 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

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 I		