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Login

Summary of	Alféa Excellia 11	Reg. No.	012-002
Certificate Holder			
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 11		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.5 kg		



Model: Alféa Excellia 11

Configure model		
Model name	Alféa Excellia 11	
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		
Defrost test	passed	

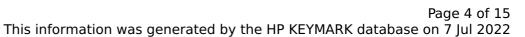
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	10.80 kW	7.59 kW
El input	2.54 kW	3.07 kW
СОР	4.25	2.47

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}	151 %	112 %
Prated	11.00 kW	9.00 kW
SCOP	3.85	2.87
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.60	1.90
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.80
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.30	3.80
Pdh Tj = 12°C	7.40 kW	7.00 kW
COP Tj = 12°C	6.90	4.80
Pdh Tj = Tbiv	10.00 kW	8.20 kW





	ATTIC database on 7 jul 202.
2.60	1.90
10.00 kW	8.00 kW
2.20	1.70
0.90	0.90
60 °C	60 °C
8 W	8 W
45 W	22 W
12 W	12 W
0 W	0 W
Electricity	Electricity
1.30 kW	1.30 kW
6062 kWh	6623 kWh
	2.60 10.00 kW 2.20 0.90 60 °C 8 W 45 W 12 W 0 W Electricity 1.30 kW



Model: Alféa Excellia A.I. 11

Configure model		
Model name	Alféa Excellia A.I. 11	
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		
Defrost test	passed	

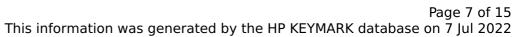
EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.80 kW	7.59 kW
El input	2.54 kW	3.07 kW
СОР	4.25	2.47

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}	151 %	112 %
Prated	11.00 kW	9.00 kW
SCOP	3.85	2.87
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.60	1.90
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.80
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.30	3.80
Pdh Tj = 12°C	7.40 kW	7.00 kW
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Pdh Tj = Tbiv	10.00 kW	8.20 kW





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45 W	22 W
12 W	12 W
o w	0 W
Electricity	Electricity
1.30 kW	1.30 kW
6062 kWh	6623 kWh
	2.60 10.00 kW 2.20 0.90 60 °C 8 W 45 W 12 W 0 W Electricity 1.30 kW



Model: Alféa Excellia Duo 11

Configure model		
Model name	Alféa Excellia Duo 11	
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
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	10.80 kW	7.59 kW
El input	2.54 kW	3.07 kW
СОР	4.25	2.47

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}	151 %	112 %
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SCOP	3.85	2.87
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.60	1.90
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.80
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.30	3.80
Pdh Tj = 12°C	7.40 kW	7.00 kW
COP Tj = 12°C	6.90	4.80
Pdh Tj = Tbiv	10.00 kW	8.20 kW





COP Tj = Tbiv	2.60	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.00 kW	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	8 W	8 W
РТО	45 W	22 W
PSB	12 W	12 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.30 kW
Annual energy consumption Qhe	6062 kWh	6623 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	88 %
СОР	2.25
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: Alféa Excellia Duo A.I. 11

Configure model		
Model name	Alféa Excellia Duo A.I. 11	
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	
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	

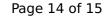
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	10.80 kW	7.59 kW	
El input	2.54 kW	3.07 kW	
СОР	4.25	2.47	

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SCOP	3.85	2.87
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.60	1.90
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.80
Pdh Tj = $+7^{\circ}$ C	6.20 kW	5.90 kW
COP Tj = +7°C	5.30	3.80
Pdh Tj = 12°C	7.40 kW	7.00 kW
COP Tj = 12°C	6.90	4.80
Pdh Tj = Tbiv	10.00 kW	8.20 kW





COP Tj = Tbiv	2.60	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.00 kW	8.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	8 W	8 W
PTO	45 W	22 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.30 kW
Annual energy consumption Qhe	6062 kWh	6623 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	88 %	
СОР	2.25	
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	