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Summary of	Alféa Excellia Tri 16	Reg. No.	012-005		
Certificate Holder					
Name	Groupe Atlantic	Groupe Atlantic			
Address	44 boulevard des Etats-Unis	44 boulevard des Etats-Unis Zip 85000			
City	La Roche Sur Yon	La Roche Sur Yon Country France			
Certification Body	RISE CERT	RISE CERT			
Subtype title	Alféa Excellia Tri 16				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R410A				
Mass of Refrigerant	2.5 kg				
Certification Date	15.07.2016				
Testing basis	EN 14511:2013; EN 16147:2011; EN 14825:2013; EN 12102:2013				

Model: Alféa Excellia Tri 16

Configure model		
Model name	Alféa Excellia Tri 16	
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		
Shutting off the heat transfer medium flow		
Complete power supply failure		
Defrost test	passed	

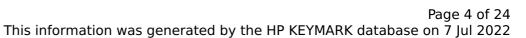
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





	Title database on 7 jai 202.
2.40	1.80
11.70 kW	10.30 kW
2.30	1.60
0.90	0.90
60 °C	60 °C
14 W	14 W
88 W	32 W
17 W	17 W
o w	o w
Electricity	Electricity
1.90 kW	2.70 kW
7408 kWh	9062 kWh
	2.40 11.70 kW 2.30 0.90 60 °C 14 W 88 W 17 W 0 W Electricity 1.90 kW

Model: Alféa Excellia A.I. Tri 16

Configure model		
Model name	Alféa Excellia A.I. Tri 16	
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		
Shutting off the heat transfer medium flow		
Complete power supply failure		
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

Average Climate



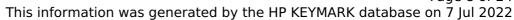
EN 12102-1 Low temperature Medium temperature Sound power level indoor 46 dB(A) 46 dB(A) Sound power level outdoor 69 dB(A) 69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	88 W	32 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW
Annual energy consumption Qhe	7408 kWh	9062 kWh





Model: Alféa Excellia Duo Tri 16

Configure model		
Model name	Alféa Excellia Duo Tri 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	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	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





	ratea by the fill REII	Thirt database on 7 Jan 2021
COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	88 W	32 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW

7408 kWh

9062 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	88 %
СОР	2.30
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 l

Model: Alféa Excellia Duo A.I. Tri 16

Configure model		
Model name	Alféa Excellia Duo A.I. Tri 16	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

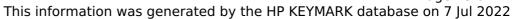
General Data		
Power supply	3x400V 50Hz	

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	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





This information was generated by the Fir KETPIANK database on 7 Jul 202		
COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	88 W	32 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW
Annual energy consumption Qhe	7408 kWh	9062 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	88 %
СОР	2.30
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 l

Model: Hydrapac 16B25

Configure model		
Model name Hydrapac 16B25		
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

CEN heat pump

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	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
COP Tj = +2°C	3.60	2.90
Pdh Tj = +7°C	6.30 kW	5.80 kW
COP Tj = +7°C	5.50	4.10
Pdh Tj = 12°C	7.40 kW	7.10 kW
COP Tj = 12°C	7.20	5.50
Pdh Tj = Tbiv	12.00 kW	11.50 kW





	Title database on 7 jai 202.
2.40	1.80
11.70 kW	10.30 kW
2.30	1.60
0.90	0.90
60 °C	60 °C
14 W	14 W
88 W	32 W
17 W	17 W
o w	o w
Electricity	Electricity
1.90 kW	2.70 kW
7408 kWh	9062 kWh
	2.40 11.70 kW 2.30 0.90 60 °C 14 W 88 W 17 W 0 W Electricity 1.90 kW



Model: Hydramax Gaz 16B25

Configure model		
Model name	Hydramax Gaz 16B25	
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

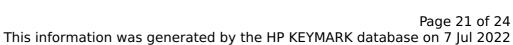
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

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}	149 %	117 %
Prated	14.00 kW	13.00 kW
SCOP	3.80	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	11.50 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	7.30 kW	7.00 kW
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COP Tj = 12°C	7.20	5.50
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		-
COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	88 W	32 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW
Annual energy consumption Qhe	7408 kWh	9062 kWh

CEN heat pump KEYMARK

Model: Alféa Excellia Tri 16 BS

Configure model		
Model name	Alféa Excellia Tri 16 BS	
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	

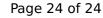
EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.17 kW	12.24 kW
El input	3.70 kW	4.93 kW
СОР	4.10	2.48

Average Climate



EN 12102-1				
	Low temperature	Medium temperature		
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Sound power level outdoor	69 dB(A)	69 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
η_{s}	149 %	117 %	
Prated	14.00 kW	13.00 kW	
SCOP	3.80	3.00	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	12.00 kW	11.50 kW	
COP Tj = -7°C	2.40	1.80	
Pdh Tj = +2°C	7.30 kW	7.00 kW	
COP Tj = +2°C	3.60	2.90	
Pdh Tj = +7°C	6.30 kW	5.80 kW	
COP Tj = +7°C	5.50	4.10	
Pdh Tj = 12°C	7.40 kW	7.10 kW	
COP Tj = 12°C	7.20	5.50	
Pdh Tj = Tbiv	12.00 kW	11.50 kW	





COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	88 W	32 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	2.70 kW
Annual energy consumption Qhe	7408 kWh	9062 kWh