

Summary of	Alféa Excellia Tri 14	Reg. No.	012-004
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	SP		
Subtype title	Alféa Excellia Tri 14		
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 14

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 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



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}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW



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COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh



Model: Alféa Excellia A.I. Tri 14

General Data	
Power supply	3x400V 50Hz

Heating

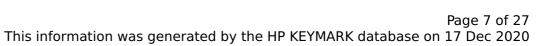
EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 m³/h

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



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}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW



COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

CEN heat pump KEYMARK



Model: Alféa Excellia Duo Tri 14

General Data	
Power supply 3x400V 50Hz	

Heating

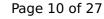
EN 14511-2		
Low temperature Medium temperature		
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 m³/h

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	



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)

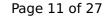
EN 14825		
	Low temperature	Medium temperature
η_{s}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW





COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

Domestic Hot Water (DHW)





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 14

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 m³/h

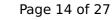
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	



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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

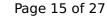
EN 14825		
	Low temperature	Medium temperature
η_{s}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW





COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

Domestic Hot Water (DHW)





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 14B25

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 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	



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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}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW



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COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh



Model: Hydramax Gaz 14B25

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 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	



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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}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW



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COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh



Model: Alféa Excellia Tri 14 BS

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 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	



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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}	150 %	117 %
Prated	13.00 kW	11.00 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Pdh Tj = Tbiv	11.10 kW	10.00 kW



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COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	66 W	43 W
PSB	17 W	17 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh



Model: Alféa Excellia A.I. Tri 14 (LFC)

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
СОР	4.18	2.41
Indoor water flow rate	2.30 m³/h	1.25 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	



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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}	150 %	117 %		
Prated	13.00 kW	11.00 kW		
SCOP	3.82	3.00		
Tbiv	-7 °C	-7 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	11.10 kW	10.00 kW		
COP Tj = -7°C	2.50	2.00		
Pdh Tj = +2°C	6.70 kW	6.10 kW		
COP Tj = +2°C	3.70	2.90		
Pdh Tj = +7°C	6.20 kW	5.90 kW		
COP Tj = +7°C	5.40	4.10		
Pdh Tj = 12°C	7.30 kW	7.10 kW		
COP Tj = 12°C	7.00	5.40		
Pdh Tj = Tbiv	11.10 kW	10.00 kW		



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COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL	10.80 kW	9.30 kW
COP Tj = TOL	2.40	1.60
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh