This information was generated by the HP KEYMARK database on 5 Mar 2021

Summary of	Alféa Excellia HP A.I. Tri 15	Reg. No.	012-SC0306-18
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	Alféa Excellia HP A.I. Tri 15		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.8 kg		

Model: Alféa Excellia HP A.I. Tri 15

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
COP	4.34	2.83

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

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	164 %	130 %
Prated	17.00 kW	16.00 kW
SCOP	4.18	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	15.40 kW	14.20 kW
COP Tj = -7°C	2.90	2.12
Pdh Tj = +2°C	9.40 kW	8.60 kW
COP Tj = +2°C	4.19	3.30
Pdh Tj = +7°C	6.70 kW	6.40 kW
COP Tj = +7°C	5.13	4.21
Pdh Tj = 12°C	8.00 kW	7.60 kW
COP Tj = 12°C	6.83	6.02
Pdh Tj = Tbiv	15.40 kW	14.20 kW

COP Tj = Tbiv	2.90	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.88
Cdh	0.93	0.97
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	96 W	43 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.70 kW	2.70 kW
Annual energy consumption Qhe	8606 kWh	9915 kWh

Model: Alféa Excellia HP Duo A.I. Tri 15

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	15.10 kW	13.46 kW
El input	3.48 kW	4.75 kW
COP	4.34	2.83

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

EN 12102-1

	Low temperature	Medium temperature
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EN 14825

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.62	1.88
Cdh	0.93	0.97
WTOL	60 °C	60 °C
Poff	16 W	16 W
PTO	96 W	43 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.70 kW	2.70 kW
Annual energy consumption Qhe	8606 kWh	9915 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	109 %
COP	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