Summary of	Alféa Extensa A.I. 6 R32	Reg. No.	012-SC0367-19
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	Cetiat		
Subtype title	Alféa Extensa A.I. 6 R32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	0.97 kg		
Certification Date	04.10.2019		
Testing basis	HP Keymark Scheme Rules rev 7		

Model: Alféa Extensa A.I. 6 R32

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Model: Alféa Extensa A.I. Duo 6 R32

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	130 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	30.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	245 l

Model: FUJITSU Waterstage Split Comfort Series 6

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Model: GENERAL Waterstage Split Comfort Series 6

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Model: FUJITSU Waterstage Split Comfort Series Integrated DHW 6

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	130 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	30.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	245 l

Model: GENERAL Waterstage Split Comfort Series Integrated DHW 6

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.50 kW	5.50 kW
El input	1.18 kW	2.06 kW
COP	4.65	2.67
Indoor water flow rate	0.43 m³/h	0.51 m³/h

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	175 %	125 %
Prated	6.00 kW	5.00 kW
SCOP	4.46	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.00 kW	4.70 kW
COP Tj = -7°C	2.74	1.97
Cdh	0.96	0.97
Pdh Tj = +2°C	3.00 kW	2.90 kW
COP Tj = +2°C	4.68	3.11
Cdh	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.80 kW
COP Tj = +7°C	6.04	4.29
Cdh	0.96	0.97

Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.43	6.06
Cdh	0.96	0.97
Pdh Tj = Tbiv	5.00 kW	4.70 kW
COP Tj = Tbiv	2.74	1.97
Pdh Tj = TOL	4.50 kW	4.00 kW
COP Tj = TOL	2.67	1.73
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.30 kW
Annual energy consumption Qhe	2594 kWh	3411 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	130 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	30.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	245 l