

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Alféa Extensa A.I. 8 R32	Reg. No.	012-SC0368-19
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	n/a		
Subtype title	Alféa Extensa A.I. 8 R32		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.02 kg		
Certification Date	27.01.2020		
Testing basis	HP Keymark Scheme Rules rev 7		

Model: Alféa Extensa A.I. 8 R32

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

EN 14511-4

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

Average Climate

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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh	1.00	1.00
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	6.32	4.52
Cdh	1.00	1.00

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Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.07	6.37
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.80 kW	5.50 kW
COP Tj = Tbiv	2.70	1.91
Pdh Tj = TOL	5.60 kW	5.00 kW
COP Tj = TOL	2.35	1.69
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model: Alféa Extensa Duo A.I. 8 R32

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

EN 14511-4

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

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TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh	1.00	1.00
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
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Pdh Tj = TOL	5.60 kW	5.00 kW
COP Tj = TOL	2.35	1.69
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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 8

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

EN 14511-4

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh	1.00	1.00
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
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Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	6.32	4.52
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Pdh Tj = TOL	5.60 kW	5.00 kW
COP Tj = TOL	2.35	1.69
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model: GENERAL Waterstage Split Comfort Series 8

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

EN 14511-4

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh	1.00	1.00
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
Cdh	1.00	1.00
Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	6.32	4.52
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Cdh	1.00	1.00
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COP Tj = Tbiv	2.70	1.91
Pdh Tj = TOL	5.60 kW	5.00 kW
COP Tj = TOL	2.35	1.69
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model: FUJITSU Waterstage Split Comfort Series Integrated DHW 8

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh	1.00	1.00
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	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 8

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66
Indoor water flow rate	0.45 m ³ /h	0.56 m ³ /h

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Declared load profile	L
Efficiency η_{DHW}	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