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Summary of	Alféa Hybrid Duo Fioul/Oil A.I. 8	Reg. No.	012-SC0257-19	
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	RISE			
Subtype title	Alféa Hybrid Duo Fioul/Oil A.I. 8			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	1.4 kg			
Certification Date	27.06.2019			



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Model: Alféa Hybrid Duo Fioul/Oil A.I. 8

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.50 kW	5.00 kW	
El input	1.84 kW	1.94 kW	
СОР	4.08	2.58	
Indoor water flow rate	1.30 m³/h	0.60 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	

Average Climate

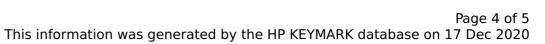


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	156 %	118 %
Prated	7.00 kW	6.00 kW
SCOP	3.97	3.02
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	2.40	1.80
Pdh Tj = +2°C	3.50 kW	3.10 kW
COP Tj = +2°C	3.80	2.90
Pdh Tj = +7°C	2.30 kW	2.00 kW
COP Tj = +7°C	5.70	4.10
Pdh Tj = 12°C	2.40 kW	2.20 kW
COP Tj = 12°C	8.20	5.80
Pdh Tj = Tbiv	5.80 kW	5.30 kW

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EN heat pump EYMARK

COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL	5.60 kW	4.90 kW
COP Tj = TOL	2.00	1.50
Cdh	0.90	0.90
WTOL	55 °C	55 °C
Poff	6 W	6 W
РТО	30 W	16 W
PSB	9 W	9 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	3375 kWh	3886 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	120 %	
СОР	3.00	
Heating up time	01:45 h:min	
Standby power input	32.0 W	
Reference hot water temperature	54.0 °C	
Mixed water at 40°C	249 I	