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Summary of	Alféa Hybrid Duo Fioul/Oil A.I. 6	Reg. No.	012-SC0256-19
Certificate Holder			
Name	Groupe Atlantic		
Address	44 boulevard des Etats-Unis	Zip	85000
City	La Roche Sur Yon	Country	France
Certification Body	RISE CERT		
Subtype title	Alféa Hybrid Duo Fioul/Oil A.I. 6		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	27.06.2019		

Model: Alféa Hybrid Duo Fioul/Oil A.I. 6

Configure model

Model name	Alféa Hybrid Duo Fioul/Oil A.I. 6
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	6.00 kW	4.50 kW
El input	1.41 kW	1.79 kW
COP	4.26	2.51

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	63 dB(A)	63 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	169 %	115 %
Prated	5.00 kW	5.00 kW
SCOP	4.30	2.95
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.00 kW
COP Tj = -7°C	2.70	1.80
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.20	2.90
Pdh Tj = +7°C	2.30 kW	1.70 kW
COP Tj = +7°C	6.00	4.00
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.30	5.80
Pdh Tj = Tbiv	4.60 kW	4.00 kW

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COP $T_j = T_{biv}$	2.70	1.80
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	4.50 kW	3.50 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.60	1.60
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	0.90	0.90
WTOL	55 °C	55 °C
P _{off}	6 W	6 W
PTO	23 W	16 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.00 kW
Annual energy consumption Q_{he}	2505 kWh	3180 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	88 %
Heating up time	01:45 h:min
Mixed water at 40°C	249 l
COP	3.00
Standby power input	32.0 W
Reference hot water temperature	54.0 °C