

Subtype Alféa Hybrid Duo Fioul/Oil A.I. 8

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Hybrid Duo Fioul/Oil A.I. 8
Registration number	012-SC0257-19
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.4 kg
Certification Date	27.06.2019
Testing laboratory	RISE Research Institutes of Sweden

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

Model name	Alféa Hybrid Duo Fioul/Oil A.I. 8
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	120 %
COP	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 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	7.50 kW	5.00 kW
El input	1.84 kW	1.94 kW
COP	4.08	2.58

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
η_s	156 %	118 %
Prated	6.50 kW	6.10 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
Cdh Tj = -7 �C		
Pdh Tj = +2�C	3.50 kW	3.10 kW
COP Tj = +2�C	3.80	2.90
Cdh Tj = +2 �C		
Pdh Tj = +7�C	2.30 kW	2.00 kW
COP Tj = +7�C	5.70	4.10
Cdh Tj = +7 �C		
Pdh Tj = 12�C	2.40 kW	2.20 kW
COP Tj = 12�C	8.20	5.80
Cdh Tj = +12 �C		
Pdh Tj = Tbiv	5.80 kW	5.30 kW
COP Tj = Tbiv	2.40	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	55 �C	55 �C
Poff	6 W	6 W
PTO	30 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Oil	Oil
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	3375 kWh	3886 kWh