Subtype Alféa Hybrid Duo Fioul/Oil A.I. 6

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Hybrid Duo Fioul/Oil A.I. 6
Registration number	012-SC0256-19
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.1 kg
Certification Date	27.06.2019
Testing laboratory	RISE Research Institutes of Sweden

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

Model name	Alféa Hybrid Duo Fioul/Oil A.I. 6
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 ηDHW	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	6.00 kW	4.50 kW
El input	1.41 kW	1.79 kW
COP	4.26	2.51

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	169 %	115 %
Prated	5.20 kW	4.50 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
Cdh Tj = -7 °C		
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.20	2.90
Cdh Tj = +2 °C		
Pdh Tj = +7°C	2.30 kW	1.70 kW
COP Tj = +7°C	6.00	4.00
Cdh Tj = +7 °C		
Pdh Tj = 12°C	2.30 kW	2.10 kW
COP Tj = 12°C	8.30	5.80
Cdh Tj = +12 °C		
Pdh Tj = Tbiv	4.60 kW	4.00 kW
COP Tj = Tbiv	2.70	1.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.50 kW	3.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.60
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	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 Qhe	2505 kWh	3180 kWh