

## Subtype Alféa Hybrid Duo Gaz 14

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 Gaz 14
Registration number	012-019
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.5 kg
Certification Date	08.03.2024
Testing basis	EN 14511:2013, EN 14825:2013, EN 12102:2013
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

## Model Alféa Hybrid Duo Gaz 14+

Model name	Alféa Hybrid Duo Gaz 14+
Application	Heating (medium 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	n/a

## Outdoor Air/Water

### 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	13.24 kW	9.48 kW
El input	3.27 kW	3.95 kW
COP	4.05	2.40

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	70 dB(A)	70 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	148 %	113 %
Prated	12.50 kW	11.30 kW
SCOP	3.77	2.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	1.90
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.60	2.80
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	3.90

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	6.90	5.10
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	80 °C	80 °C
Poff	8 W	8 W
PTO	72 W	25 W
PSB	12 W	12 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6824 kWh	8041 kWh