

Subtype Alféa Hybrid Duo Gaz R6

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 Gaz R6
Registration number	012-020
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.1 kg
Certification Date	20.12.2016
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model Alf  a Hybrid Duo Gaz R6

Model name	Alf��a Hybrid Duo Gaz R6
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	5.90 kW	4.50 kW
El input	1.35 kW	1.79 kW
COP	4.37	2.51

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	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	80 °C	80 °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	Gas	Gas
Supplementary Heater: PSUP	0.70 kW	1.00 kW
Annual energy consumption Qhe	2505 kWh	3180 kWh