

Subtype Alféa Hybrid duo Gaz R8

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 R8
Registration number	012-021
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.4 kg
Certification Date	20.12.2016
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model Alféa Hybrid Duo Gaz R8

Model name	Alféa Hybrid Duo Gaz R8
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	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	46 dB(A)	46 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	5.00 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	80 �C	80 �C
Poff	6 W	9 W
PTO	30 W	16 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	3375 kWh	3886 kWh