

Subtype ACV Alféa Excellia Tri 11 BS

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	ACV Alféa Excellia Tri 11 BS
Registration number	012-C700003
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.5 kg
Certification Date	19.12.2019
Testing basis	EN 14511:2013; EN 14825:2013; EN 12102:2013
Testing laboratory	RISE Research Institutes of Sweden

Model ACV Alféa Excellia Tri 11 BS

Model name	ACV Alféa Excellia Tri 11 BS
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	3x400V 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	10.80 kW	9.29 kW
El input	2.51 kW	3.52 kW
COP	4.30	2.64

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	154 %	112 %
Prated	11.30 kW	9.30 kW
SCOP	3.92	2.87
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.00 kW	8.20 kW
COP Tj = -7°C	2.70	1.90
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.10 kW	5.00 kW
COP Tj = +2°C	3.70	2.70
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.50	3.90

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.40 kW	7.00 kW
COP Tj = 12°C	7.10	5.20
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.00 kW	8.20 kW
COP Tj = Tbiv	2.70	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.90 kW	8.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	44 W	32 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.40 kW	1.20 kW
Annual energy consumption Qhe	5930 kWh	6669 kWh