

Subtype Alféa Extensa S Duo XL 10

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Extensa S Duo XL 10
Registration number	012-C700415
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.63 kg
Certification Date	16.09.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model Alféa Extensa S Duo XL 10

Model name	Alféa Extensa S Duo XL 10
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	n/a

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	140 %
COP	3.50
Heating up time	01:40 h:min
Standby power input	43.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	300 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	9.50 kW	9.00 kW
El input	2.10 kW	3.33 kW
COP	4.50	2.70

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	130 %
Prated	8.50 kW	8.20 kW

SCOP	4.50	3.33
Tbiv	-7 �C	-7 �C
TOL	-10 �C	-10 �C
Pdh Tj = -7�C	7.50 kW	7.30 kW
COP Tj = -7�C	2.98	2.05
Cdh Tj = -7 �C	0.990	0.990
Pdh Tj = +2�C	4.60 kW	4.40 kW
COP Tj = +2�C	4.46	3.24
Cdh Tj = +2 �C	0.980	0.980
Pdh Tj = +7�C	3.90 kW	3.50 kW
COP Tj = +7�C	5.89	4.60
Cdh Tj = +7 �C	0.970	0.970
Pdh Tj = 12�C	4.40 kW	4.30 kW
COP Tj = 12�C	7.14	5.97
Cdh Tj = +12 �C	0.970	0.970
Pdh Tj = Tbiv	7.50 kW	7.30 kW
COP Tj = Tbiv	2.98	2.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.30 kW	7.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 �C	55 �C
Poff	4 W	4 W
PTO	20 W	21 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.20 kW	1.10 kW
Annual energy consumption Qhe	3875 kWh	5083 kWh