

## Subtype Alféa Extensa M 5

Certificate Holder	Groupe Atlantic
Address	44 boulevard des Etats-Unis
ZIP	85000
City	La Roche Sur Yon
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Extensa M 5
Registration number	012-C700211
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.88 kg
Certification Date	14.09.2023
Testing basis	EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022.

## Model Alféa Extensa M Duo 5

Model name	Alféa Extensa M Duo 5
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	L
Efficiency $\eta_{DHW}$	124 %
COP	3.10
Heating up time	1:45 h:min
Standby power input	45.0 W
Reference hot water temperature	55.0 °C
Mixed water at 40°C	238 l

## Model Alféa Extensa M 5

Model name	Alféa Extensa M 5
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
Starting and operating test	passed

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	184 %	125 %
Prated	4.70 kW	4.40 kW
SCOP	4.66	3.19
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.20 kW	3.90 kW
COP Tj = -7°C	3.21	2.02
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	2.70 kW	2.40 kW
COP Tj = +2°C	4.72	3.17
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.10 kW	2.00 kW
COP Tj = +7°C	6.13	4.25
Cdh Tj = +7 °C	0.930	0.950
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	7.94	6.24
Cdh Tj = +12 °C	0.930	0.940
Pdh Tj = Tbiv	4.20 kW	3.90 kW
COP Tj = Tbiv	3.21	2.02

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.90 kW	3.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.70
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.990
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	23 W	23 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.80 kW	0.80 kW
Annual energy consumption Qhe	2083 kWh	2853 kWh