

Subtype Alféa Extensa A.I. 8 R32 / Alféa Extensa S 8

Certificate Holder	Groupe Atlantic
Address	Rue des Fondateurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Extensa A.I. 8 R32 / Alféa Extensa S 8
Registration number	012-SC0368-19
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.02 kg
Certification Date	27.01.2020
Testing basis	EN 14511:2018, EN 14825:2016, EN 16147:2017, EN 12102:2017
Testing laboratory	CETIAT, FR

Model Alf a Extensa A.I. 8 R32

Model name	Alf�a Extensa A.I. 8 R32
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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	6.50 kW	6.20 kW
SCOP	4.50	3.28
Tbiv	-7 �C	-7 �C
TOL	-10 �C	-10 �C
Pdh Tj = -7�C	5.80 kW	5.50 kW
COP Tj = -7�C	2.70	1.91
Cdh Tj = -7 �C	0.990	1.000
Pdh Tj = +2�C	3.50 kW	3.30 kW
COP Tj = +2�C	4.35	3.18
Cdh Tj = +2 �C	0.980	0.990
Pdh Tj = +7�C	2.30 kW	2.10 kW

COP Tj = +7�C	6.32	4.60
Cdh Tj = +7 �C	0.960	0.970
Pdh Tj = 12�C	2.50 kW	2.40 kW
COP Tj = 12�C	8.07	6.37
Cdh Tj = +12 �C	0.950	0.960
Pdh Tj = Tbiv	5.80 kW	5.50 kW
COP Tj = Tbiv	2.70	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 �C	55 �C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model Alf a Extensa Duo A.I. 8 R32

Model name	Alf�a Extensa Duo A.I. 8 R32
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 η_{DHW}	130 %
COP	3.10
Heating up time	1:35 h:min
Standby power input	30.0 W
Reference hot water temperature	54.0 �C
Mixed water at 40�C	245 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	7.50 kW	7.00 kW
El input	1.69 kW	2.63 kW
COP	4.43	2.66

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	177 %	128 %
Prated	6.50 kW	6.20 kW

SCOP	4.50	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.50 kW
COP Tj = -7°C	2.70	1.91
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	3.50 kW	3.30 kW
COP Tj = +2°C	4.35	3.18
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	6.32	4.60
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.07	6.37
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	5.80 kW	5.50 kW
COP Tj = Tbiv	2.70	1.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	1.000
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	14 W	14 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model Alf a Extensa S 8

Model name	Alf�a Extensa S 8
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

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Supplementary Heater: PSUP	0.90 kW	1.20 kW
Annual energy consumption Qhe	2982 kWh	3903 kWh

Model Alf a Extensa S Duo 8

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Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
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