

Subtype THERMOR Alféa Extensa A.I. 5 R32

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	THERMOR Alféa Extensa A.I. 5 R32
Registration number	012-C700009
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.97 kg
Certification Date	04.03.2020
Testing basis	HP Keymark Scheme Rules rev 7

Model THERMOR Alféa Extensa A.I. 5 R32

Model name	THERMOR Alféa Extensa A.I. 5 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
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	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	175 %	125 %
Prated	5.00 kW	5.00 kW
SCOP	4.45	3.20
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.20 kW
COP Tj = -7°C	2.84	1.99
Cdh Tj = -7 °C	0.96	0.97
Pdh Tj = +2°C	2.70 kW	2.50 kW
COP Tj = +2°C	4.40	3.11
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.10 kW	1.90 kW
COP Tj = +7°C	5.85	4.25
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.40 kW	2.30 kW
COP Tj = 12°C	7.39	5.91
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	4.40 kW	4.20 kW
COP Tj = Tbiv	2.84	1.99

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.00 kW	3.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.71
WTOL	55 �C	55 �C
Poff	4 W	4 W
PTO	12 W	13 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	2322 kWh	3035 kWh

Model THERMOR Alféa Extensa Duo A.I. 5 R32

Model name	THERMOR Alféa Extensa Duo A.I. 5 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	No

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