Subtype Thermor Alféa extensa A.I. 3 R32	
Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Thermor Alféa extensa A.I. 3 R32
Registration number	012-C700108
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.97 kg
Certification Date	27.04.2021
Testing basis	EN 14511:2018, EN 14825:2016, EN 16147:2017, EN 12102:2017
Testing laboratory	CETIAT, FR

Model Thermor Alféa extensa Duo A.I. 3 R32	
Model name	Thermor Alféa extensa Duo A.I. 3 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 ηDHW	130 %
COP	3.10
Heating up time	1:45 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	3.35 kW	3.70 kW
El input	0.68 kW	1.40 kW
COP	4.95	2.63

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
ηs	175 %	119 %
Prated	4.40 kW	4.00 kW

SCOP	4.46	3.04
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.12	1.81
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.40 kW	2.20 kW
COP Tj = +2°C	4.26	2.98
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.00 kW	1.80 kW
COP Tj = +7°C	5.90	4.07
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.30 kW	2.20 kW
COP Tj = 12°C	6.87	5.78
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	3.90 kW	3.50 kW
COP Tj = Tbiv	3.12	1.81
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.90 kW	3.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.72	1.61
WTOL	55 °C	55 °C
Poff	4 W	4 W
PTO	9 W	9 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.48 kW	0.65 kW
Annual energy consumption Qhe	2040 kWh	2715 kWh