

Subtype Alf  a Excellia M 6

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alf��a Excellia M 6
Registration number	012-C700215
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	0.88 kg
Certification Date	19.09.2023
Testing basis	EN 14511:2022, EN 16147:2017, EN 14825:2022, EN 12102:2022.
Testing laboratory	ACTA INDUSTRIE - Laboratoire Acoustique et Climatique

Model Alf  a Excellia M 6

Model name	Alf��a Excellia M 6
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	5.00 kW	5.00 kW
EI input	1.00 kW	1.72 kW
COP	4.99	2.91

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
η_s	189 %	133 %
Prated	5.80 kW	5.50 kW
SCOP	4.79	3.39
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.90 kW
COP Tj = -7°C	3.15	2.08
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	4.80	3.46
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.00 kW	1.90 kW

COP Tj = +7°C	6.33	4.26
Cdh Tj = +7 °C	0.930	0.950
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.19	6.23
Cdh Tj = +12 °C	0.920	0.940
Pdh Tj = Tbiv	5.10 kW	4.90 kW
COP Tj = Tbiv	3.15	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.74	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	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	2503 kWh	3355 kWh

Model Alf  a Excellia M Duo 6

Model name	Alf��a Excellia M Duo 6
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}	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

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	5.00 kW	5.00 kW
El input	1.00 kW	1.72 kW
COP	4.99	2.91

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
η_s	189 %	133 %
Prated	5.80 kW	5.50 kW

SCOP	4.79	3.39
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.10 kW	4.90 kW
COP Tj = -7°C	3.15	2.08
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.10 kW	3.00 kW
COP Tj = +2°C	4.80	3.46
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.00 kW	1.90 kW
COP Tj = +7°C	6.33	4.26
Cdh Tj = +7 °C	0.930	0.950
Pdh Tj = 12°C	2.50 kW	2.40 kW
COP Tj = 12°C	8.19	6.23
Cdh Tj = +12 °C	0.920	0.940
Pdh Tj = Tbiv	5.10 kW	4.90 kW
COP Tj = Tbiv	3.15	2.08
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.70 kW
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	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	2503 kWh	3355 kWh