

## Subtype Alféa Excellia Tri 14

Certificate Holder	Groupe Atlantic
Address	Rue des Fondeurs BP 64
ZIP	59660
City	Merville
Country	FR
Certification Body	RISE CERT
Subtype title	Alféa Excellia Tri 14
Registration number	012-004
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.5 kg
Certification Date	09.12.2022
Testing basis	EN 14511:2013; EN 16147:2011; EN 14825:2013; EN 12102:2013
Testing laboratory	RISE Research Institutes of Sweden

## Model Alféa Excellia Tri 14

Model name	Alféa Excellia Tri 14
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	3x400V 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

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Alféa Excellia A.I. Tri 14

Model name	Alféa Excellia A.I. Tri 14
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	3x400V 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

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Alféa Excellia Duo Tri 14

Model name	Alféa Excellia Duo Tri 14
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	3x400V 50Hz
Off-peak product	No

## Outdoor Air/Water

### EN 16147 | Average Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	88 %
COP	2.30
Heating up time	0:46 h:min
Standby power input	40.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	250 l

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00

Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Alféa Excellia Duo A.I. Tri 14

Model name	Alféa Excellia Duo A.I. Tri 14
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	3x400V 50Hz
Off-peak product	No

## Outdoor Air/Water

### EN 16147 | Average Climate

Declared load profile	L
Efficiency $\eta_{DHW}$	88 %
COP	2.30
Heating up time	0:46 h:min
Standby power input	40.0 W
Reference hot water temperature	54.0 °C
Mixed water at 40°C	250 l

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00



Tbiv	-7 �C	-7 �C
TOL	-10 �C	-10 �C
Pdh Tj = -7�C	11.10 kW	10.00 kW
COP Tj = -7�C	2.50	2.00
Cdh Tj = -7 �C	0.900	0.900
Pdh Tj = +2�C	6.70 kW	6.10 kW
COP Tj = +2�C	3.70	2.90
Cdh Tj = +2 �C	0.900	0.900
Pdh Tj = +7�C	6.20 kW	5.90 kW
COP Tj = +7�C	5.40	4.10
Cdh Tj = +7 �C	0.900	0.900
Pdh Tj = 12�C	7.30 kW	7.10 kW
COP Tj = 12�C	7.00	5.40
Cdh Tj = +12 �C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 �C	60 �C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Hydrapac 14B25

Model name	Hydrapac 14B25
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	3x400V 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

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 �C	-7 �C
TOL	-10 �C	-10 �C
Pdh Tj = -7�C	11.10 kW	10.00 kW
COP Tj = -7�C	2.50	2.00
Cdh Tj = -7 �C	0.900	0.900
Pdh Tj = +2�C	6.70 kW	6.10 kW
COP Tj = +2�C	3.70	2.90
Cdh Tj = +2 �C	0.900	0.900
Pdh Tj = +7�C	6.20 kW	5.90 kW
COP Tj = +7�C	5.40	4.10

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Hydramax Gaz 14B25

Model name	Hydramax Gaz 14B25
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	3x400V 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

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Alféa Excellia Tri 14 BS

Model name	Alféa Excellia Tri 14 BS
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	3x400V 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

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.10 kW	10.00 kW
COP Tj = -7°C	2.50	2.00
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.70	2.90
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	6.20 kW	5.90 kW
COP Tj = +7°C	5.40	4.10

Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.30 kW	7.10 kW
COP Tj = 12°C	7.00	5.40
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh

## Model Alf a Excellia A.I. Tri 14 (LFC)

Model name	Alf�a Excellia A.I. Tri 14 (LFC)
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	3x400V 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

## EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	13.00 kW	10.60 kW
El input	3.11 kW	4.40 kW
COP	4.18	2.41

## EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

## EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	150 %	117 %
Prated	12.50 kW	11.30 kW
SCOP	3.82	3.00
Tbiv	-7 �C	-7 �C
TOL	-10 �C	-10 �C
Pdh Tj = -7�C	11.10 kW	10.00 kW
COP Tj = -7�C	2.50	2.00
Cdh Tj = -7 �C	0.900	0.900
Pdh Tj = +2�C	6.70 kW	6.10 kW
COP Tj = +2�C	3.70	2.90
Cdh Tj = +2 �C	0.900	0.900
Pdh Tj = +7�C	6.20 kW	5.90 kW
COP Tj = +7�C	5.40	4.10



Cdh Tj = +7 �C	0.900	0.900
Pdh Tj = 12�C	7.30 kW	7.10 kW
COP Tj = 12�C	7.00	5.40
Cdh Tj = +12 �C	0.900	0.900
Pdh Tj = Tbiv	11.10 kW	10.00 kW
COP Tj = Tbiv	2.50	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.80 kW	9.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.60
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 �C	60 �C
Poff	14 W	14 W
PTO	66 W	43 W
PSB	17 W	17 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.70 kW	2.00 kW
Annual energy consumption Qhe	6738 kWh	7803 kWh