Subtype NIMBUS 40 S - ARIANEXT 40 S - AEROTOP SPLIT 04X

Certificate Holder	Ariston Thermo Group
Address	Viale Aristide Merloni 45
ZIP	I-60044
City	Fabriano (AN)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	NIMBUS 40 S - ARIANEXT 40 S - AEROTOP SPLIT 04X
Registration number	ICIM-PDC-000001
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	2.3 kg
Certification Date	19.12.2017

Model AEROTOP SPLIT 04-RX

Model name	AEROTOP SPLIT 04-RX
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW

COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %
Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	640 kWh	848 kWh

Model ARIANEXT PLUS 40 S LINK

Model name	ARIANEXT PLUS 40 S LINK
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW

COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %
Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	640 kWh	848 kWh

Model ARIANEXT PLUS 40 S	
Model name	ARIANEXT PLUS 40 S
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW

COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %
Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	640 kWh	848 kWh

Model NIMBUS PLUS 40 S NET	
Model name	NIMBUS PLUS 40 S NET
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW

COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %
Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	640 kWh	848 kWh

Model AEROTOP SPLIT 04M-CRX	
Model name	AEROTOP SPLIT 04M-CRX
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	107 %
COP	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	241 l

EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	95 %
COP	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	242 l

EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	240 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature

Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %

Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Model ARIANEXT COMPACT 40 S LINK	
Model name	ARIANEXT COMPACT 40 S LINK
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	107 %
COP	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	241 l
EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	95 %
COP	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	242 l
EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	240 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature

Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %

Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Model ARIANEXT FLEX 40 S LINK	
Model name	ARIANEXT FLEX 40 S LINK
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	107 %
COP	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	241 l

EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	95 %
COP	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	242 l

EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	240 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature

Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %

Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Model NIMBUS COMPACT 40 S NET	
Model name	NIMBUS COMPACT 40 S NET
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	107 %
COP	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	241 l

EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	95 %
COP	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	242 l

EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	240 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature

Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %

Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Model NIMBUS FLEX 40 S NET	
Model name	NIMBUS FLEX 40 S NET
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	Yes

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	XL
Efficiency ηDHW	107 %
COP	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	241 l

EN 16147 | Colder Climate	
Declared load profile	XL
Efficiency ηDHW	95 %
COP	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	242 l

EN 16147 | Warmer Climate	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	240 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW
SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature

Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
ηs	148 %	117 %
Prated	7.65 kW	7.35 kW
SCOP	3.77	2.99
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.63 kW	4.45 kW
COP Tj = -7°C	3.59	2.79
Pdh Tj = +2°C	2.85 kW	2.82 kW
COP Tj = +2°C	4.97	3.71
Pdh Tj = +7°C	1.76 kW	1.73 kW
COP Tj = +7°C	6.63	5.30
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	8.44	6.71
Pdh Tj = Tbiv	4.63 kW	4.45 kW
COP Tj = Tbiv	3.59	2.79
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.36	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5001 kWh	6057 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.33 kW
ηs	231 %	144 %

Prated	2.80 kW	2.33 kW
SCOP	5.86	3.67
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.33 kW
COP Tj = +2°C	4.12	2.30
Pdh Tj = +7°C	1.77 kW	1.56 kW
COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.73	5.65
Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.30
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Model ARIANEXT COMPACT 40 S

Model name	ARIANEXT COMPACT 40 S
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	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	131 %
COP	3.10
Heating up time	01:34 h:min
Standby power input	38.0 W
Reference hot water temperature	53.0 °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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW

SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Model ARIANEXT FLEX 40 S

Model name	ARIANEXT FLEX 40 S
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	Yes

Outdoor Air/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency ηDHW	131 %
COP	3.10
Heating up time	01:34 h:min
Standby power input	38.0 W
Reference hot water temperature	53.0 °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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
COP	5.11	2.82

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
ηs	191 %	135 %
Prated	5.20 kW	4.78 kW

SCOP	4.85	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.60 kW	4.23 kW
COP Tj = -7°C	3.34	2.35
Pdh Tj = +2°C	2.79 kW	2.76 kW
COP Tj = +2°C	4.69	3.37
Pdh Tj = +7°C	1.84 kW	1.72 kW
COP Tj = +7°C	6.28	4.26
Pdh Tj = 12°C	1.62 kW	1.58 kW
COP Tj = 12°C	8.44	6.19
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.15 kW	3.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh