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Summary of	NIMBUS 40 S - ARIANEXT 40 S - AEROTOP SPLIT 04X	Reg. No.	ICIM-PDC-000001	
Certificate Holder				
Name	Ariston Thermo Group			
Address	Viale Aristide Merloni 45	Zip	I-60044	
City	Fabriano (AN)	Country	Italy	
Certification Body	ICIM S.p.A.			
Name of testing laboratory	-Transition Rules-			
Subtype title	NIMBUS 40 S - ARIANEXT 40 S - AEROTOP SPLIT 04X			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	2.3 kg			
Certification Date	19.12.2017			



Model: AEROTOP SPLIT 04-RX

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit		
	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Warmer Climate

EN 12102-1			
	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		
	Low temperature	Medium temperature





	I	
Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
$COP Tj = +7^{\circ}C$	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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Colder Climate

EN 12102-1			
	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					
	Low temperature	Medium temperature			
Pdesignh	7.65 kW	7.35 kW			
η_{s}	148 %	117 %			
Prated	3.70 kW	3.20 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			





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COP Tj = -7°C	3.59	2.79
Pdh Tj = $+2$ °C	2.85 kW	2.82 kW
$COP Tj = +2^{\circ}C$	4.97	3.71
Pdh Tj = $+7^{\circ}$ C	1.76 kW	1.73 kW
$COP Tj = +7^{\circ}C$	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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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
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Model: ARIANEXT PLUS 40 S LINK

General Data			
Power supply	1x230V 50Hz		

Heating

EN 14511-2					
	Medium temperature				
Heat output	3.50 kW	2.96 kW			
El input	0.69 kW	1.05 kW			
СОР	5.11	2.82			
Indoor water flow rate	0.62 m³/h	0.34 m³/h			

EN 14511-4				
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed			
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed			
Shutting off the heat transfer medium flow	passed			
Complete power supply failure	passed			
Defrost test	passed			

Average Climate



EN 12102-1				
	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				
	Low temperature	Medium temperature		
Pdesignh	5.20 kW	4.78 kW		
η_{s}	191 %	135 %		
Prated	3.50 kW	2.96 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		





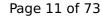
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Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity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

Warmer Climate

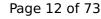
EN 12102-1					
	Low temperature	Medium temperature			
Sound power level indoor	36 dB(A)	36 dB(A)			
Sound power level outdoor	56 dB(A)	56 dB(A)			

EN 1	4825	
	Low temperature	Medium temperature





	I	
Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
$COP Tj = +7^{\circ}C$	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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





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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

Colder Climate

EN 12102-1			
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





This information was generated by the HP KETMARK database on 17 Dec 2020			
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	
$COP Tj = +7^{\circ}C$	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	2.92 kW	2.47 kW	
COP Tj = TOL	2.36	1.52	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	11 W	11 W	
РТО	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	
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Model: ARIANEXT PLUS 40 S

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



 $$\operatorname{\textit{Page}}\ 15$$ of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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



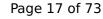


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Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Warmer Climate

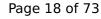
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	36 dB(A)	36 dB(A)	
Sound power level outdoor	56 dB(A)	56 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W





This information was generated b	the HP KEYMARK database (on 17 Dec 2020

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

Colder Climate

EN 12102-1			
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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
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WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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
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Model: NIMBUS PLUS 40 S NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



 $$\operatorname{\textit{Page}}\xspace$ 21 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 kW
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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





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COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Warmer Climate

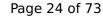
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
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COP Tj = +7°C	5.53	2.99
Pdh Tj = 12°C	1.61 kW	1.61 kW
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Pdh Tj = Tbiv	2.80 kW	2.33 kW
COP Tj = Tbiv	4.12	2.30
Pdh Tj = TOL	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Colder Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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
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Pdh Tj = TOL	2.92 kW	2.47 kW
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Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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



Model: AEROTOP SPLIT 04M-CRX

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82
Indoor water flow rate	0.62 m³/h	0.34 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	
	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



 $$\operatorname{\textit{Page}}\xspace$ 27 of 73 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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



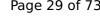


	1	
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Warmer Climate

EN 12102-1		
	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 1	4825	
	Low temperature	Medium temperature





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	I	
Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
$COP Tj = +7^{\circ}C$	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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



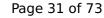


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Colder Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Domestic Hot Water (DHW)



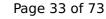
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	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

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	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

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	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 I



Model: ARIANEXT COMPACT 40 S LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82
Indoor water flow rate	0.62 m³/h	0.34 m³/h

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	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	
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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



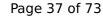


	1	
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Warmer Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature





	I	
Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
$COP Tj = +7^{\circ}C$	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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

640 kWh

848 kWh

Colder Climate

Annual energy consumption Qhe

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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 = $+7^{\circ}$ C	1.76 kW	1.73 kW
$COP Tj = +7^{\circ}C$	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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	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	

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	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

Colder Climate





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	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



Model: ARIANEXT FLEX 40 S LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82
Indoor water flow rate	0.62 m³/h	0.34 m³/h

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Warmer Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Colder Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Domestic Hot Water (DHW)



Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	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

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	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

Colder Climate





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	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



Model: NIMBUS COMPACT 40 S NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82
Indoor water flow rate	0.62 m³/h	0.34 m³/h

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



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EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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



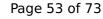


	-	
Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Warmer Climate

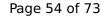
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



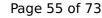


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Colder Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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
$COP Tj = +7^{\circ}C$	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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Domestic Hot Water (DHW)

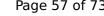
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	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

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	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	

Colder Climate





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	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	



Model: NIMBUS FLEX 40 S NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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



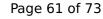


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Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Warmer Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature





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Pdesignh	2.80 kW	2.33 kW
η_{s}	231 %	144 %
Prated	3.60 kW	3.10 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
$COP Tj = +7^{\circ}C$	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	2.80 kW	2.33 kW
COP Tj = TOL	4.12	2.30
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



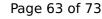


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	640 kWh	848 kWh

Colder Climate

EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	7.65 kW	7.35 kW
η_{s}	148 %	117 %
Prated	3.70 kW	3.20 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





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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 = $+7^{\circ}$ C	1.76 kW	1.73 kW
$COP Tj = +7^{\circ}C$	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	2.92 kW	2.47 kW
COP Tj = TOL	2.36	1.52
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	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

Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	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	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	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	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	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	



Model: ARIANEXT COMPACT 40 S

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



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EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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

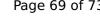




Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	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	



Model: ARIANEXT FLEX 40 S

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	
Indoor water flow rate	0.62 m³/h	0.34 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

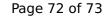
Average Climate



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EN 12102-1		
	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		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.78 kW
η_{s}	191 %	135 %
Prated	3.50 kW	2.96 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

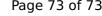




Pdh Tj = Tbiv	4.60 kW	4.23 kW
COP Tj = Tbiv	3.34	2.35
Pdh Tj = TOL	4.15 kW	3.74 kW
COP Tj = TOL	3.01	2.04
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.05 kW	1.04 kW
Annual energy consumption Qhe	2215 kWh	2866 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	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	