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

Summary of	NIMBUS 70 S - ARIANEXT 70 S - AEROTOP SPLIT 07X	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 70 S - ARIANEXT 70 S - AEROTOP SPLIT 07X		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.08 kg		
Certification Date	19.12.2017		



Model: AEROTOP SPLIT 07M-RX

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
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	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

Low temperature	Medium temperature
11.71 kW	11.02 kW
151 %	118 %
4.80 kW	4.40 kW
3.86	3.03
-7 °C	-7 °C
-20 °C	-20 °C
7.09 kW	6.67 kW
	11.71 kW 151 % 4.80 kW 3.86 -7 °C -20 °C





This information was generated by the Hir KETMAKK database on 17 Dec 2020				
COP Tj = -7°C	3.42	2.67		
Pdh Tj = +2°C	4.41 kW	4.04 kW		
COP Tj = +2°C	5.27	3.88		
Pdh Tj = +7°C	2.89 kW	2.66 kW		
$COP Tj = +7^{\circ}C$	6.51	5.10		
Pdh Tj = 12°C	2.73 kW	2.69 kW		
COP Tj = 12°C	8.04	6.78		
Pdh Tj = Tbiv	7.09 kW	6.67 kW		
COP Tj = Tbiv	3.42	2.67		
Pdh Tj = TOL	5.52 kW	4.91 kW		
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh		



Model: ARIANEXT PLUS 70 S LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

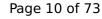
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31



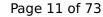


Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

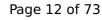
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



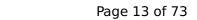


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





	cherated by the Hi KETI	MANK database on 17 Dec 202
COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = +7°C	2.89 kW	2.66 kW
COP Tj = +7°C	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
 		



Model: ARIANEXT PLUS 70 S

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

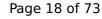
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 1	.4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
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	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





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COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
<u> </u>		



Model: NIMBUS PLUS 70 S NET

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





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	T T	
Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

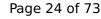
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
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	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





	cherated by the Hi KETI	MANK database on 17 Dec 202
COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = +7°C	2.89 kW	2.66 kW
COP Tj = +7°C	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
 		



Model: AEROTOP SPLIT 07M-CRX

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



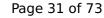


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

Low temperature	Medium temperature
11.71 kW	11.02 kW
151 %	118 %
4.80 kW	4.40 kW
3.86	3.03
-7 °C	-7 °C
-20 °C	-20 °C
7.09 kW	6.67 kW
	11.71 kW 151 % 4.80 kW 3.86 -7 °C -20 °C





Time intermation was get		
COP Tj = -7°C	3.42	2.67
Pdh Tj = $+2$ °C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
l .		

Domestic Hot Water (DHW)

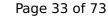
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:30 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	247

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	118 %
СОР	2.84
Heating up time	01:27 h:min
Standby power input	44.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	245 I

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	93 %	
СОР	2.25	
Heating up time	01:22 h:min	
Standby power input	54.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	244	



Model: ARIANEXT COMPACT 70 S LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.88 kW	7.68 kW	
η_{s}	191 %	133 %	
Prated	6.40 kW	5.62 kW	
SCOP	4.86	3.40	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	6.97 kW	6.80 kW	
COP Tj = -7°C	3.13	2.22	
Pdh Tj = +2°C	4.35 kW	4.11 kW	
COP Tj = +2°C	4.81	3.36	
Pdh Tj = +7°C	2.87 kW	2.57 kW	
COP Tj = +7°C	6.13	4.47	
Pdh Tj = 12°C	2.73 kW	2.66 kW	
COP Tj = 12°C	8.04	6.31	





Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	36 dB(A)	36 dB(A)		
Sound power level outdoor	60 dB(A)	60 dB(A)		

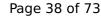
EN 14825		
	Low temperature	Medium temperature





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Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
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	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
$COP Tj = +2^{\circ}C$	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
1		

Domestic Hot Water (DHW)



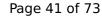
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:30 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	247	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.84	
Heating up time	01:27 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	245 I	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	93 %	
СОР	2.25	
Heating up time	01:22 h:min	
Standby power input	54.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	244	



Model: ARIANEXT FLEX 70 S LINK

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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		
Shutting off the heat transfer medium flow		
Complete power supply failure		
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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
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	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
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	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





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COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
F		

Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:30 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	247	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.84	
Heating up time	01:27 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	245 I	

Colder Climate





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	93 %
СОР	2.25
Heating up time	01:22 h:min
Standby power input	54.0 W
Reference hot water temperature	52.9 °C
Mixed water at 40°C	244



Model: NIMBUS COMPACT 70 S NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.78 kW
El input	1.28 kW	1.96 kW
СОР	5.00	2.95
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





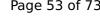
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	-	
Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

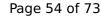
EN 1	.4825	
	Low temperature	Medium temperature





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Pdesignh	4.85 kW	4.40 kW
η_{s}	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = $+7^{\circ}$ C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



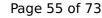


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





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COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = $+7^{\circ}$ C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh
F		

Domestic Hot Water (DHW)

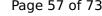
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:30 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	247	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.84	
Heating up time	01:27 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	245 I	

Colder Climate





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	93 %	
СОР	2.25	
Heating up time	01:22 h:min	
Standby power input	54.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	244	



Model: NIMBUS FLEX 70 S NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





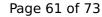
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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Warmer Climate

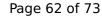
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.40 kW
n _s	233 %	153 %
Prated	6.30 kW	5.70 kW
SCOP	5.90	3.90
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.40 kW
COP Tj = +2°C	4.16	2.36
Pdh Tj = +7°C	3.26 kW	3.01 kW
COP Tj = +7°C	5.48	3.34
Pdh Tj = 12°C	2.72 kW	2.62 kW
COP Tj = 12°C	7.46	5.50
Pdh Tj = Tbiv	4.85 kW	4.40 kW
COP Tj = Tbiv	4.16	2.36
Pdh Tj = TOL	4.85 kW	4.40 kW
COP Tj = TOL	4.16	2.36
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W



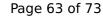


PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1098 kWh	1507 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.71 kW	11.02 kW
η_{s}	151 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.86	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.09 kW	6.67 kW





	·	
COP Tj = -7°C	3.42	2.67
Pdh Tj = +2°C	4.41 kW	4.04 kW
COP Tj = +2°C	5.27	3.88
Pdh Tj = +7°C	2.89 kW	2.66 kW
$COP Tj = +7^{\circ}C$	6.51	5.10
Pdh Tj = 12°C	2.73 kW	2.69 kW
COP Tj = 12°C	8.04	6.78
Pdh Tj = Tbiv	7.09 kW	6.67 kW
COP Tj = Tbiv	3.42	2.67
Pdh Tj = TOL	5.52 kW	4.91 kW
COP Tj = TOL	2.23	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	7482 kWh	8977 kWh

Domestic Hot Water (DHW)

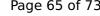
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:30 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	247	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	118 %	
СОР	2.84	
Heating up time	01:27 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	245 I	

Colder Climate





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	93 %	
СОР	2.25	
Heating up time	01:22 h:min	
Standby power input	54.0 W	
Reference hot water temperature	52.9 °C	
Mixed water at 40°C	244	



Model: ARIANEXT COMPACT 70 S

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

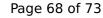
Average Climate



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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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31





Pdh Tj = Tbiv 6.97 kW 6.80 kW COP Tj = Tbiv 3.13 2.22 Pdh Tj = TOL 7.70 kW 6.75 kW COP Tj = TOL 2.80 1.86 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 0.18 kW 0.93 kW			
Pdh Tj = TOL 7.70 kW 6.75 kW COP Tj = TOL 2.80 1.86 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 0.18 kW 0.93 kW	Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = TOL 2.80 1.86 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 0.18 kW 0.93 kW	COP Tj = Tbiv	3.13	2.22
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 0.18 kW 0.93 kW	Pdh Tj = TOL	7.70 kW	6.75 kW
WTOL 60 °C 60 °C Poff 11 W 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 0.18 kW 0.93 kW	COP Tj = TOL	2.80	1.86
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 0.18 kW 0.93 kW	Cdh	0.90	0.90
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 0.18 kW 0.93 kW	WTOL	60 °C	60 °C
PSB 11 W 11 W PCK 11 W 11 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 0.18 kW 0.93 kW	Poff	11 W	11 W
PCK 11 W 11 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 0.18 kW 0.93 kW	РТО	11 W	11 W
Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 0.18 kW 0.93 kW	PSB	11 W	11 W
Supplementary Heater: PSUP 0.18 kW 0.93 kW	PCK	11 W	11 W
	Supplementary Heater: Type of energy input	electricity	electricity
Annual onergy consumption Obe 2352 kWh 4670 kWh	Supplementary Heater: PSUP	0.18 kW	0.93 kW
Affilial energy consumption one 3332 kWii 4070 kWii	Annual energy consumption Qhe	3352 kWh	4670 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:08 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	250 l	



Model: ARIANEXT FLEX 70 S

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.78 kW	
El input	1.28 kW	1.96 kW	
СОР	5.00	2.95	
Indoor water flow rate	1.11 m³/h	0.62 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	

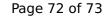
Average Climate



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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	60 dB(A)	60 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.88 kW	7.68 kW
η_{s}	191 %	133 %
Prated	6.40 kW	5.62 kW
SCOP	4.86	3.40
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.97 kW	6.80 kW
COP Tj = -7°C	3.13	2.22
Pdh Tj = +2°C	4.35 kW	4.11 kW
COP Tj = +2°C	4.81	3.36
Pdh Tj = +7°C	2.87 kW	2.57 kW
COP Tj = +7°C	6.13	4.47
Pdh Tj = 12°C	2.73 kW	2.66 kW
COP Tj = 12°C	8.04	6.31

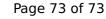




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Pdh Tj = Tbiv	6.97 kW	6.80 kW
COP Tj = Tbiv	3.13	2.22
Pdh Tj = TOL	7.70 kW	6.75 kW
COP Tj = TOL	2.80	1.86
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	11 W	11 W
РТО	11 W	11 W
PSB	11 W	11 W
PCK	11 W	11 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.18 kW	0.93 kW
Annual energy consumption Qhe	3352 kWh	4670 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:08 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.7 °C	
Mixed water at 40°C	250 l	