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Summary of	NIMBUS 70 M - ARIANEXT 70 M - AEROTOP MONO 07X - ENERGION M 7	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 M - ARIANEXT 70 M - AEROTOP MONO 07X - ENERGION M 7		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.77 kg		
Certification Date	19.12.2017		



Model: AEROTOP MONO 07M-RX 1Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	6.40 kW	5.70 kW		
El input	1.28 kW	2.04 kW		
СОР	5.00	2.80		
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	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	15 dB(A)	15 dB(A)		
Sound power level outdoor	61 dB(A)	61 dB(A)		

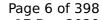
EN 14825		
	Low temperature	Medium temperature





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	T	
Pdesignh	4.85 kW	4.38 kW
η_{S}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



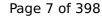


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	15 dB(A)	15 dB(A)		
Sound power level outdoor	61 dB(A)	61 dB(A)		

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
COF 1j = -7 C	3.42	2.02
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
РСК	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP MONO 07M-RX 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

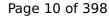
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



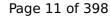


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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

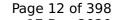
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

	EN 14825	
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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This information was get	Terated by the fill RETIN	ARK database on 17 Dec 2020
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP MONO 07M-RXL

Genera	al Data
Power supply	1x230V 50Hz

Heating

	EN 14511-2	
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

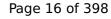
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

	EN 14825	
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



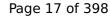


	-	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

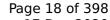
	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
ηs	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
biv	2 °C	2 °C
-OL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W



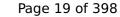


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was g	reflerated by the fill KETI	MANK database on 17 Dec 202
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP MONO 07M-X 1Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



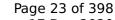


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



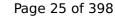


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was generated by the Fir KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	
		-	



Model: AEROTOP MONO 07M-X 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





	·	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

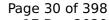
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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

COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT LITE 70 M LINK

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

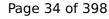
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



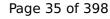


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

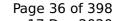
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	.4825	
	Low temperature	Medium temperature





	T	
Pdesignh	4.85 kW	4.38 kW
η_{S}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



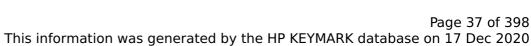


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT LITE 70 M

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



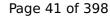


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



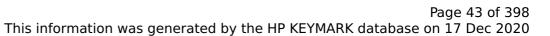


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was generated by the HP KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	
	•		



Model: ARIANEXT PLUS 70 M 2Z H LINK

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

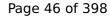
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



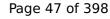


	-	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was generated by the Hr KETMANK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	
		-	



Model: ARIANEXT PLUS 70 M 2Z H

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

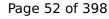
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



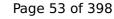


	·	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

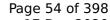
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	.4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was g	enerated by the HF KLTI	IARK database on 17 Dec 2020
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
	•	



Model: ARIANEXT PLUS 70 M 2Z LINK

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

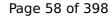
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



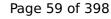


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

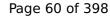
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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

COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT PLUS 70 M 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



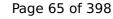


Pdh Tj = Tbiv	6.98 kW	6.59 kW
	0.90 KVV	0.59 KW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



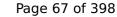


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
T	· ·	



Model: ARIANEXT PLUS 70 M H LINK

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



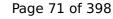


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	.4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



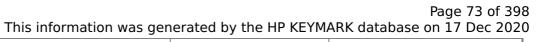


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





3.42	
3.42	2.62
4.48 kW	4.13 kW
5.36	3.95
2.90 kW	2.76 kW
6.56	5.13
2.72 kW	2.68 kW
7.43	6.26
7.17 kW	6.70 kW
3.42	2.62
5.51 kW	4.90 kW
2.22	1.51
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
4.00 kW	4.00 kW
7544 kWh	9000 kWh
	5.36 2.90 kW 6.56 2.72 kW 7.43 7.17 kW 3.42 5.51 kW 2.22 0.90 60 °C 13 W 13 W 13 W 13 W electricity 4.00 kW



Model: ARIANEXT PLUS 70 M H

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



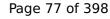


6.98 kW	6.59 kW
3.10	2.17
2.73 kW	7.06 kW
2.77	1.95
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W electricity 0.32 kW

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825	
Low temperature Medium temperature	





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



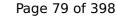


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





ins mornation was gen	iciacca by the in Rein	
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT PLUS 70 M LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



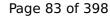


<u> </u>		Titil database on 17 Bee 2020
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n _s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





3.42	
3.42	2.62
4.48 kW	4.13 kW
5.36	3.95
2.90 kW	2.76 kW
6.56	5.13
2.72 kW	2.68 kW
7.43	6.26
7.17 kW	6.70 kW
3.42	2.62
5.51 kW	4.90 kW
2.22	1.51
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
4.00 kW	4.00 kW
7544 kWh	9000 kWh
	5.36 2.90 kW 6.56 2.72 kW 7.43 7.17 kW 3.42 5.51 kW 2.22 0.90 60 °C 13 W 13 W 13 W 13 W electricity 4.00 kW



Model: ARIANEXT PLUS 70 M

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



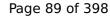


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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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

This information was generated by the Hir KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
COP Tj = +7°C	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	



Model: NIMBUS PLUS 70 M 2Z H NET

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
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Model: NIMBUS PLUS 70 M 2Z NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



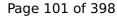


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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

Low temperature	Medium temperature
11.85 kW	11.06 kW
152 %	118 %
4.80 kW	4.40 kW
3.87	3.03
-7 °C	-7 °C
-20 °C	-20 °C
7.17 kW	6.70 kW
	4.80 kW 3.87 -7 °C -20 °C





This information was generated by the HP KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	
	•		



Model: NIMBUS PLUS 70 M H NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

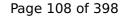
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



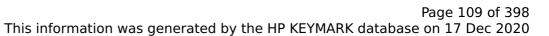


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: NIMBUS PLUS 70 M NET

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

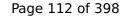
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



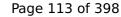


6.98 kW	6.59 kW
3.10	2.17
2.73 kW	7.06 kW
2.77	1.95
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W electricity 0.32 kW

Warmer Climate

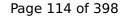
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was generated by the HP KETMARK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	



Model: NIMBUS POCKET 70 M NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

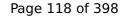
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



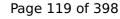


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

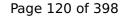
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP MONO 07M-CRX 1Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





	T. C.	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



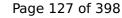


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

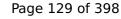
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246

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	246



Model: AEROTOP MONO 07M-CRX 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

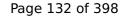
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



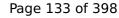


	T. C.	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



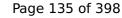


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

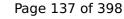
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246 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	246

Model: ARIANEXT COMPACT 70 M 2Z LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

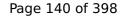
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



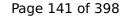


Pdh Tj = Tbiv	6.98 kW	6.59 kW
	0.50 KW	0.55 KW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

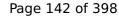
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



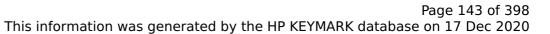


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	This information was generated by the HP KETMARK database on 17 Dec 2020			
COP Tj = +2°C 5.36 3.95 Pdh Tj = +7°C 2.90 kW 2.76 kW COP Tj = +7°C 6.56 5.13 Pdh Tj = 12°C 2.72 kW 2.68 kW COP Tj = 12°C 7.43 6.26 Pdh Tj = Tbiv 7.17 kW 6.70 kW COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	COP Tj = -7°C	3.42	2.62	
Pdh Tj = +7°C 2.90 kW 2.76 kW COP Tj = +7°C 6.56 5.13 Pdh Tj = 12°C 2.72 kW 2.68 kW COP Tj = 12°C 7.43 6.26 Pdh Tj = Tbiv 7.17 kW 6.70 kW COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +7°C	COP Tj = +2°C	5.36	3.95	
Pdh Tj = 12°C 2.72 kW 2.68 kW COP Tj = 12°C 7.43 6.26 Pdh Tj = Tbiv 7.17 kW 6.70 kW COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = +7°C	2.90 kW	2.76 kW	
COP Tj = 12°C 7.43 6.26 Pdh Tj = Tbiv 7.17 kW 6.70 kW COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W 13 W Supplementary Heater: Type of energy input electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	$COPTj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = Tbiv 7.17 kW 6.70 kW COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = Tbiv 3.42 2.62 Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	COP Tj = 12°C	7.43	6.26	
Pdh Tj = TOL 5.51 kW 4.90 kW COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = TOL 2.22 1.51 Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	COP Tj = Tbiv	3.42	2.62	
Cdh 0.90 0.90 WTOL 60 °C 60 °C Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Pdh Tj = TOL	5.51 kW	4.90 kW	
WTOL 60 °C 60 °C 13 W 13 W 13 W PTO 13 W 13 W 13 W PSB 13 W 13 W 13 W PCK 13 W 13 W 14 W 15 W 15 W 16 W 17 W 18 W 19 W 19 W 10 W 10 W 10 W 11 W 12 W 13 W 13 W 14 W 15 W 16 W 17 W 18 W 18 W 18 W 19 W 19 W 10 W 10 W 10 W 10 W 10 W 11 W 11 W 12 W 13 W 13 W 14 W 15 W 16 W 17 W 18 W 18 W 18 W 19 W 1	COP Tj = TOL	2.22	1.51	
Poff 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Cdh	0.90	0.90	
PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	WTOL	60 °C	60 °C	
PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	Poff	13 W	13 W	
PCK 13 W 13 W Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	РТО	13 W	13 W	
Supplementary Heater: Type of energy input electricity electricity Supplementary Heater: PSUP 4.00 kW 4.00 kW	PSB	13 W	13 W	
Supplementary Heater: PSUP 4.00 kW 4.00 kW	PCK	13 W	13 W	
	Supplementary Heater: Type of energy input	electricity	electricity	
Annual energy consumption Qhe 7544 kWh 9000 kWh	Supplementary Heater: PSUP	4.00 kW	4.00 kW	
	Annual energy consumption Qhe	7544 kWh	9000 kWh	

Domestic Hot Water (DHW)

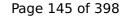
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246
INITIAL WATER AT 40 C	2401

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	246	



Model: ARIANEXT COMPACT 70 M LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

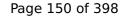
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



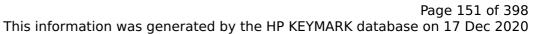


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

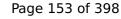
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246 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	246



Model: ARIANEXT FLEX 70 M 2Z H LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



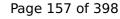


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
$COPTj = +7^{\circ}C$	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)



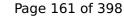
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246

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	246 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	246 I



Model: ARIANEXT FLEX 70 M 2Z LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



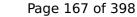


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

Average Climate

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

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246	

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	246	



Model: ARIANEXT FLEX 70 M H LINK

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

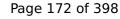
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



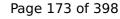


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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

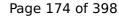
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



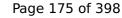


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

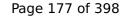
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 l	

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	246 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	246 I	



Model: ARIANEXT FLEX 70 M LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

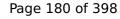
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



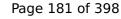


This information was generated by the Thi KETHATIK database on 17 Dec 202			
Pdh Tj = Tbiv	6.98 kW	6.59 kW	
COP Tj = Tbiv	3.10	2.17	
Pdh Tj = TOL	2.73 kW	7.06 kW	
COP Tj = TOL	2.77	1.95	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	0.32 kW	0.39 kW	
Annual energy consumption Qhe	3598 kWh	4706 kWh	

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



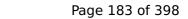


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)



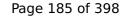
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246



Model: NIMBUS COMPACT 70 M 2Z NET

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





	T	
Pdesignh	4.85 kW	4.38 kW
η_{S}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was generated by the Hr KETMANK database on 17 Dec 2020			
COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	electricity	electricity	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246 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	246 I



Model: NIMBUS COMPACT 70 M NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
	0.90 KVV	0.59 KW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
ηs	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
biv	2 °C	2 °C
-OL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

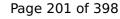
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246	



Model: NIMBUS FLEX 70 M 2Z H NET

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



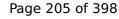


6.98 kW	6.59 kW
3.10	2.17
2.73 kW	7.06 kW
2.77	1.95
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W electricity 0.32 kW

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246



Model: NIMBUS FLEX 70 M 2Z NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

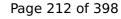
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



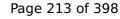


Pdh Tj = Tbiv	6.98 kW	6.59 kW
	0.50 KW	0.55 KW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

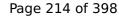
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



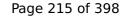


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

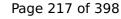
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246



Model: NIMBUS FLEX 70 M H NET

General Data	
Power supply 1x230V 50Hz	

Heating

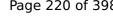
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





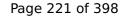
$$\operatorname{\textit{Page}}\xspace$ 220 of 398 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh
E	·	

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



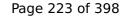


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

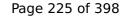
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246
INITIAL WATER AT 40 C	2401

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	246



Model: NIMBUS FLEX 70 M NET

General Data	
Power supply	1x230V 50Hz

Heating

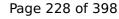
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

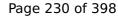
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
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Domestic Hot Water (DHW)

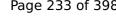
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246 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	246



Model: ARIANEXT COMPACT 70 M 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

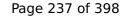
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)





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 COMPACT 70 M

General Data	
Power supply	1x230V 50Hz

Heating

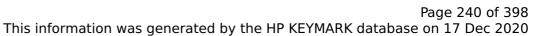
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

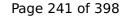
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)





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 M 2Z H

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

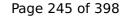
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)





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 M 2Z

General Data	
Power supply	1x230V 50Hz

Heating

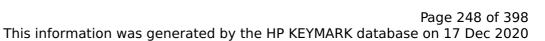
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





6.98 kW	6.59 kW
3.10	2.17
2.73 kW	7.06 kW
2.77	1.95
0.90	0.90
60 °C	60 °C
13 W	13 W
electricity	electricity
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W electricity 0.32 kW

Domestic Hot Water (DHW)





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 M H

General Data		
Power supply	1x230V 50Hz	

Heating

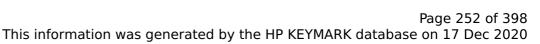
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)





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 M

General Data		
Power supply	1x230V 50Hz	

Heating

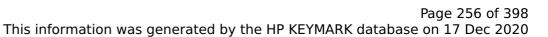
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

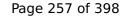
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)





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: ENERGION M PLUS 7

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



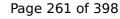


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
$COPTj = +7^{\circ}C$	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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

This information was generated by the HP KETMARK database on 17 Dec 2020				
COP Tj = -7°C	3.42	2.62		
Pdh Tj = +2°C	4.48 kW	4.13 kW		
COP Tj = +2°C	5.36	3.95		
Pdh Tj = +7°C	2.90 kW	2.76 kW		
COP Tj = +7°C	6.56	5.13		
Pdh Tj = 12°C	2.72 kW	2.68 kW		
COP Tj = 12°C	7.43	6.26		
Pdh Tj = Tbiv	7.17 kW	6.70 kW		
COP Tj = Tbiv	3.42	2.62		
Pdh Tj = TOL	5.51 kW	4.90 kW		
COP Tj = TOL	2.22	1.51		
Cdh	0.90	0.90		
WTOL	60 °C	60 °C		
Poff	13 W	13 W		
РТО	13 W	13 W		
PSB	13 W	13 W		
PCK	13 W	13 W		
Supplementary Heater: Type of energy input	electricity	electricity		
Supplementary Heater: PSUP	4.00 kW	4.00 kW		
Annual energy consumption Qhe	7544 kWh	9000 kWh		



Model: ENERGION M PLUS 7 2Z

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





		Titil database on 17 Bee 2020
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W



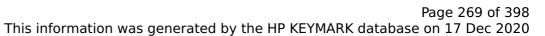


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was g	enerated by the HF KLTI	IARK database on 17 Dec 2020
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
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Model: ENERGION M LIGHT 7

General Data	
Power supply	1x230V 50Hz

Heating

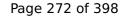
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



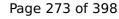


	-	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

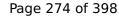
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





This information was get	Therated by the Hi KETM	ARK database on 17 Dec 2020
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ENERGION M FLEX 7 180 e

	General Data	
Power supply	1x230V 50Hz	

Heating

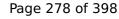
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

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	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



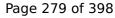


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

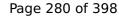
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



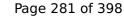


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

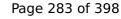
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246 I	



Model: ENERGION M FLEX 7 2Z 180 e

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





	1
6.98 kW	6.59 kW
3.10	2.17
2.73 kW	7.06 kW
2.77	1.95
0.90	0.90
60 °C	60 °C
15 W	15 W
electricity	electricity
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	3.10 2.73 kW 2.77 0.90 60 °C 15 W 15 W 15 W electricity 0.32 kW

Warmer Climate

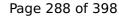
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W





PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	11.85 kW	11.06 kW	
η_{s}	152 %	118 %	
Prated	4.80 kW	4.40 kW	
SCOP	3.87	3.03	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	7.17 kW	6.70 kW	





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COP Tj = +2^{\circ}C$	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

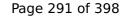
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246	

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	246 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	246 I	



Model: ENERGION M COMPACT 7

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
Low temperature Medium temperature		





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246 I	

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	246 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	246

Model: ENERGION M COMPACT 7 2Z

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W



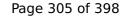


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)



Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246

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	246

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	246



Model: ENERGION M HYBRIDall 7

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

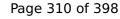
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



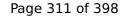


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

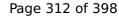
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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ins mornation was gen		
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	5.72 kW	5.58 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
	1	



Model: ATAG p ENERGION M HYBRIDzone 7

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

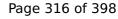
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



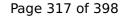


	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

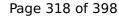
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	5.72 kW	5.58 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ATAG i ENERGION M HYBRIDzone 7

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

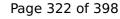
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



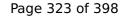


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COP Tj = +2^{\circ}C$	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	5.72 kW	5.58 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: NIMBUS M HYBRID 7 NET

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

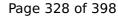
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
n_s	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62	
Pdh Tj = +2°C	4.48 kW	4.13 kW	
COP Tj = +2°C	5.36	3.95	
Pdh Tj = +7°C	2.90 kW	2.76 kW	
$COP Tj = +7^{\circ}C$	6.56	5.13	
Pdh Tj = 12°C	2.72 kW	2.68 kW	
COP Tj = 12°C	7.43	6.26	
Pdh Tj = Tbiv	7.17 kW	6.70 kW	
COP Tj = Tbiv	3.42	2.62	
Pdh Tj = TOL	5.51 kW	4.90 kW	
COP Tj = TOL	2.22	1.51	
Cdh	0.90	0.90	
WTOL	60 °C	60 °C	
Poff	13 W	13 W	
РТО	13 W	13 W	
PSB	13 W	13 W	
PCK	13 W	13 W	
Supplementary Heater: Type of energy input	gas	gas	
Supplementary Heater: PSUP	4.00 kW	4.00 kW	
Annual energy consumption Qhe	7544 kWh	9000 kWh	
		1	



Model: NIMBUS M HYBRID FLEX 7 NET

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

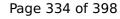
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



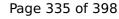


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
$COPTj = +7^{\circ}C$	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



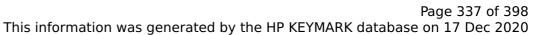


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	108 %	
СОР	2.60	
Heating up time	01:22 h:min	
Standby power input	49.0 W	
Reference hot water temperature	53.1 °C	
Mixed water at 40°C	246	

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	246 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	246	



Model: ARIANEXT M HYBRID 7 LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

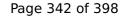
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT M HYBRID 70

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
		1



Model: ARIANEXT M HYBRID FLEX 7 LINK

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

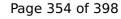
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



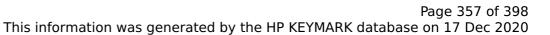


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW





COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

Domestic Hot Water (DHW)



Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	108 %
СОР	2.60
Heating up time	01:22 h:min
Standby power input	49.0 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	246 I

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	246 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	246 I

Model: ARIANEXT M HYBRID UNIVERSAL 7 LINK

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: ARIANEXT M HYBRID UNIVERSAL 70

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

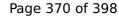
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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ins institution was get		
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP HYBRID MINI EVO 07X

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
Indoor water flow rate	1.11 m³/h	0.62 m³/h	

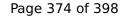
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



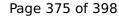


Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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	neracea by the in Rein	
COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh
	1	



Model: AEROTOP HYBRID MINI EVO 7

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
Indoor water flow rate	1.11 m³/h	0.62 m³/h

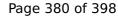
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



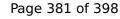


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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 1	4825	
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
COP Tj = +7°C	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: AEROTOP HYBRID UNIVERSAL 7

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Warmer Climate

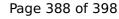
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature





Pdesignh	4.85 kW	4.38 kW
η_{s}	223 %	150 %
Prated	6.30 kW	5.70 kW
SCOP	5.64	3.84
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.85 kW	4.38 kW
COP Tj = +2°C	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
COP Tj = +7°C	4.99	3.12
Pdh Tj = 12°C	2.73 kW	2.63 kW
COP Tj = 12°C	7.46	5.71
Pdh Tj = Tbiv	4.85 kW	4.38 kW
COP Tj = Tbiv	3.96	2.24
Pdh Tj = TOL	4.85 kW	4.38 kW
COP Tj = TOL	3.96	2.24
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W





PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
η_{s}	152 %	118 %
Prated	4.80 kW	4.40 kW
SCOP	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW



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COP Tj = -7°C	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
COP Tj = +2°C	5.36	3.95
Pdh Tj = +7°C	2.90 kW	2.76 kW
$COP Tj = +7^{\circ}C$	6.56	5.13
Pdh Tj = 12°C	2.72 kW	2.68 kW
COP Tj = 12°C	7.43	6.26
Pdh Tj = Tbiv	7.17 kW	6.70 kW
COP Tj = Tbiv	3.42	2.62
Pdh Tj = TOL	5.51 kW	4.90 kW
COP Tj = TOL	2.22	1.51
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
РСК	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh



Model: NIMBUS M FLEX IN 7 NET

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



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Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.30 kW	0.40 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Model: ARIANEXT M FLEX IN 7 LINK

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80
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	0 dB(A)	0 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
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TOL	-10 °C	-10 °C
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Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
COP Tj = +7°C	5.30	3.87
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COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL	2.73 kW	7.06 kW
COP Tj = TOL	2.77	1.95
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.30 kW	0.40 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh



Model: AEROTOP MONO BUILT-IN 07M-CRX

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	
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	0 dB(A)	0 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	4.86 kW	5.62 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
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Pdh Tj = +7°C	2.76 kW	2.58 kW
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Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = 12°C	6.87	5.40



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Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	gas	gas
Supplementary Heater: PSUP	0.30 kW	0.40 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh