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Login

Summary of	NIMBUS 70 M-T - ARIANEXT 70 M-T - AEROTOP MONO 07 - ENERGION M 7T	Reg. No.	ICIM-PDC- 000001	
Certificate Holder	-	1	1	
Name	Ariston Thermo Group			
Address	Viale Aristide Merloni 45	Zip	I-60044	
City	Fabriano (AN)	Country	Italy	
Certification Body	ICIM S.p.A.			
Subtype title	NIMBUS 70 M-T - ARIANEXT 70 M-T - AEROTOP MONO 07 - ENERGION M 7T			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	2.77 kg			
Certification Date	19.12.2017			



Model: AEROTOP MONO 07M 1Z

Configure model			
Model name	AEROTOP MONO 07M 1Z		
Application	Heating (medium temp)		
Units	Indoor + Outdoor		
Climate Zone	Colder Climate + Warmer Climate		
Reversibility	No		
Cooling mode application (optional) n/a			

General Data		
Power supply	3x230V 50Hz	

Heating

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 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		

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	4.85 kW	4.38 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	



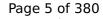


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	





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η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
РТО	13 W	13 W



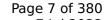


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
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Model: AEROTOP MONO 07M 2Z

Con	nfigure model
Model name	AEROTOP MONO 07M 2Z
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

	General Data	
Power supply	3x230V 50Hz	

Heating

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

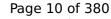
	EN 14511-2	
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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
$COP Tj = +7^{\circ}C$	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



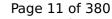


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

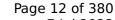
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
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η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



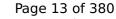


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: AEROTOP MONO 07M-R 1Z

Configure model		
Model name	AEROTOP MONO 07M-R 1Z	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

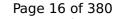
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



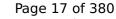


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

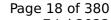
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
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η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7$ °C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



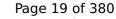


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
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Pdh Tj = +7°C	2.76 kW	2.58 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh
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Model: AEROTOP MONO 07M-R 2Z

Configure model		
Model name AEROTOP MONO 07M-R 2Z		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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

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	

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	4.85 kW	4.38 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



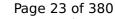


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

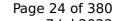
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
_





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



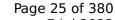


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: AEROTOP MONO 07M-RL

Configure model		
Model name	AEROTOP MONO 07M-RL	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

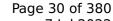
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
	<u> </u>	





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7$ °C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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





IIIS IIIIOIIIIadioii was gene	erated by the Hr KLIN	TARK database on 7 Jul 202.
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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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



Model: ARIANEXT LITE 70 M-T LINK

Configure model		
Model name	ARIANEXT LITE 70 M-T LINK	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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	

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	4.85 kW	4.38 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



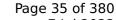


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

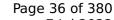
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor 61 dB(A) 61 dB(A)			

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





-		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



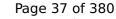


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: ARIANEXT LITE 70 M-T

Configure model		
Model name	ARIANEXT LITE 70 M-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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	

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	4.85 kW	4.38 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



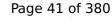


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

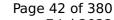
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
	<u> </u>	





This information was ger	The recent by the HP KETK	HARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	3.42	2.62
Pdh Tj = $+2$ °C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



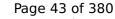


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
1-		



Model: ARIANEXT PLUS 70 M-T 2Z H LINK

Configure model	
Model name	ARIANEXT PLUS 70 M-T 2Z H LINK
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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



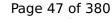


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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
	<u> </u>	





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
1-		

Model: ARIANEXT PLUS 70 M-T 2Z H

Configure model		
Model name	ARIANEXT PLUS 70 M-T 2Z H	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

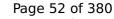
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



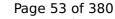


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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)	

re Medium temperature
11.06 kW
_





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



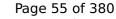


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: ARIANEXT PLUS 70 M-T 2Z LINK

Configure model		
Model name	ARIANEXT PLUS 70 M-T 2Z LINK	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	oling mode application (optional) n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operacing range outdoor exchanger/indoor exchanger lower inflictioner infliction	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	

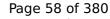
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



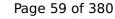


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

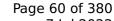
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
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This information was ger	erated by the Hi KETI	TARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



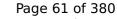


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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





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		T	Tark database on 7 jul 2022
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 7.06 kW COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = Tdesignh CO	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	$COP Tj = +2^{\circ}C$	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Electricity Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 0.32 kW 0.39 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 0.32 kW 0.39 kW	Poff	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	РТО	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	PCK	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Ohe 3598 kWh 4706 kWh	Supplementary Heater: PSUP	0.32 kW	0.39 kW
The state of the s	Annual energy consumption Qhe	3598 kWh	4706 kWh



Model: ARIANEXT PLUS 70 M-T 2Z

Configure model		
Model name	ARIANEXT PLUS 70 M-T 2Z	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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
$COP Tj = +2^{\circ}C$	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
$COP Tj = +7^{\circ}C$	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



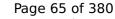


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °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		T	Tark database on 7 jul 2022
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 7.06 kW COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = Tdesignh CO	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	$COP Tj = +2^{\circ}C$	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Electricity Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 0.32 kW 0.39 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 0.32 kW 0.39 kW	Poff	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	РТО	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	PCK	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Ohe 3598 kWh 4706 kWh	Supplementary Heater: PSUP	0.32 kW	0.39 kW
The state of the s	Annual energy consumption Qhe	3598 kWh	4706 kWh

Model: ARIANEXT PLUS 70 M-T H LINK

Configure model		
Model name ARIANEXT PLUS 70 M-T H LINK		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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
$COP Tj = +7^{\circ}C$	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



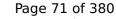


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

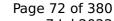
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





-		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



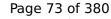


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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





1	
3.10	2.17
4.31 kW	4.18 kW
4.59	3.30
2.76 kW	2.58 kW
5.30	3.87
2.60 kW	2.54 kW
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
	4.31 kW 4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.32 kW



Model: ARIANEXT PLUS 70 M-T H

Configure model		
Model name	ARIANEXT PLUS 70 M-T H	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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
$COP Tj = +7^{\circ}C$	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



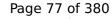


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

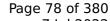
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

re Medium temperature
11.06 kW
_





The transfer was general	<u>, </u>	IARK database on 7 Jul 202.
η_s	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	3.42	2.62
Pdh Tj = $+2$ °C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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





	ARR database on 7 Jul 2022
3.10	2.17
4.31 kW	4.18 kW
4.59	3.30
2.76 kW	2.58 kW
5.30	3.87
2.60 kW	2.54 kW
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
	4.31 kW 4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.32 kW

Model: ARIANEXT PLUS 70 M-T LINK

Configure model		
Model name	ARIANEXT PLUS 70 M-T LINK	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

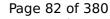
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



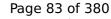


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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





This information was ger	The rection of the rection	HARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = $+2^{\circ}$ C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



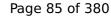


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
1-		



Model: ARIANEXT PLUS 70 M-T

Configure model		
Model name	ARIANEXT PLUS 70 M-T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

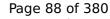
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



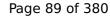


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

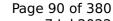
	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
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η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



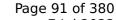


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh 2.73 kW 7.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.77 1.95	
$COP Tj = +2^{\circ}C$ $Pdh Tj = +7^{\circ}C$ $COP Tj = +7^{\circ}C$ $COP Tj = +7^{\circ}C$ $Pdh Tj = 12^{\circ}C$ $COP Tj = 12^{\circ}C$ $Pdh Tj = Tbiv$ $Pdh Tj = Tbiv$ $COP Tj = Tbiv$ $COP Tj = Tbiv$ $Row Figure 100 Signature 100 Sig$	
Pdh Tj = $+7^{\circ}$ C 2.76 kW 2.58 kW COP Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	
COP Tj = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	
Pdh Tj = Tbiv $6.98 \text{ kW} \qquad 6.59 \text{ kW}$ $COP Tj = Tbiv \qquad 3.10 \qquad 2.17$ $Pdh Tj = TOL \text{ or Pdh Tj} = Tdesignh \text{ if TOL} < Tdesignh \qquad 2.73 \text{ kW} \qquad 7.06 \text{ kW}$	
COP Tj = Tbiv $3.10 \qquad 2.17$ Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh $2.73 \text{ kW} \qquad 7.06 \text{ kW}$	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 2.73 kW 7.06 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.77 1.95	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 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	

Model: NIMBUS PLUS 70 M-T 2Z H NET

Configure model		
Model name	NIMBUS PLUS 70 M-T 2Z H NET	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

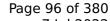
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





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η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



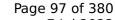


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





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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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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



Model: NIMBUS PLUS 70 M-T 2Z NET

Configure model		
Model name	NIMBUS PLUS 70 M-T 2Z NET	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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

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	4.85 kW	4.38 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

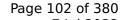
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





1	
3.10	2.17
4.31 kW	4.18 kW
4.59	3.30
2.76 kW	2.58 kW
5.30	3.87
2.60 kW	2.54 kW
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
	4.31 kW 4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.32 kW



Model: NIMBUS PLUS 70 M-T H NET

Configure model		
Model name	NIMBUS PLUS 70 M-T H NET	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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

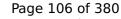
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



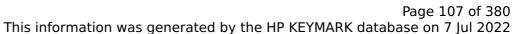


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

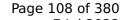
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



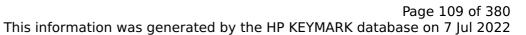


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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





Minormation was gene	Tated by the Thinke The	ARK database on 7 Jul 202.
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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: NIMBUS PLUS 70 M-T NET

Configure model		
Model name	NIMBUS PLUS 70 M-T NET	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

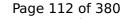
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

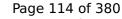
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





1	
3.10	2.17
4.31 kW	4.18 kW
4.59	3.30
2.76 kW	2.58 kW
5.30	3.87
2.60 kW	2.54 kW
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
	4.31 kW 4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.32 kW

Model: NIMBUS POCKET 70 M-T NET

Configure model		
Model name NIMBUS POCKET 70 M-T NET		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

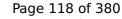
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



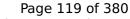


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

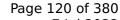
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor 61 dB(A) 61 dB(A)			

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was ger	Terated by the HP KETK	TARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	3.42	2.62
Pdh Tj = $+2$ °C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

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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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh
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Model: AEROTOP MONO 07M-CR 1Z

Configure model		
Model name	AEROTOP MONO 07M-CR 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

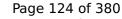
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



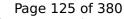


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

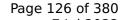
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

re Medium temperature
11.06 kW
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This information was ger	erated by the Hi KETI	TARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
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Domestic Hot Water (DHW)

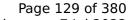


Warmer Climate

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	





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	

Model: AEROTOP MONO 07M-CR 2Z

Configure model		
Model name	AEROTOP MONO 07M-CR 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

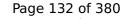
EN 14511-2				
Low temperature Medium temperature				
Heat output	6.40 kW	5.70 kW		
El input	1.28 kW	2.04 kW		
СОР	5.00	2.80		

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

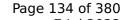
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 = $+7^{\circ}$ 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W

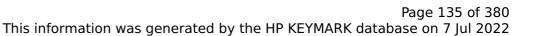




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

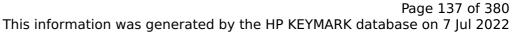


Warmer Climate

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 land profile	XL	
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	



246 I



Mixed water at 40°C

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

Model: ARIANEXT COMPACT 70 M-T 2Z LINK

Configure model		
Model name ARIANEXT COMPACT 70 M-T 2Z LINK		
pplication Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

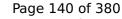
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

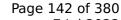
EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW



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This information was ger	lerated by the HF KL	YMARK database on 7 Jul 202
η_{S}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
	·	·

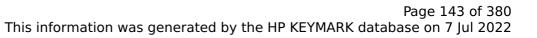




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

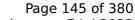


Warmer Climate

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 I	





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	

Model: ARIANEXT COMPACT 70 M-T LINK

Configure model		
Model name	ARIANEXT COMPACT 70 M-T LINK	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

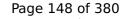
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

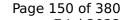
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was generated by the HP KEYMARK database on 7 Jul 202			
η_{s}	152 %	118 %	
Prated	11.85 kW	11.06 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	
$COPTj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

	<u> </u>	·
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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)



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	
Declared load profile	AL .	
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	

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



Model: ARIANEXT FLEX 70 M-T 2Z H LINK

Configure model		
Model name	ARIANEXT FLEX 70 M-T 2Z H LINK	
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone Colder Climate + Warmer Climate		
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

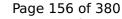
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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
$COP Tj = +2^{\circ}C$	3.96	2.24
Pdh Tj = +7°C	3.12 kW	2.81 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

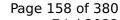
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was gen	- Clated by the Hi KETI	HARK database on 7 Jul 202.
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



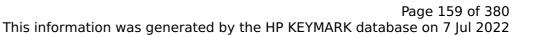


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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
7.89 kW	7.45 kW
178 %	128 %
7.89 kW	7.45 kW
4.53	3.27
-7 °C	-7 °C
-10 °C	-10 °C
6.98 kW	6.59 kW
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C





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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



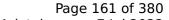
Warmer Climate

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 land profile	XL
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

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



Model: ARIANEXT FLEX 70 M-T 2Z LINK

Configure model		
Model name	ARIANEXT FLEX 70 M-T 2Z LINK	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

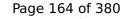
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



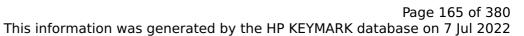


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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





inis information was ger	lerated by the HP KET	MARK database on 7 Jul 202
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



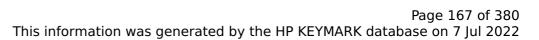


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



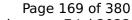
Warmer Climate

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	
Declared load profile	AL .	
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	

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	

Model: ARIANEXT FLEX 70 M-T H LINK

Configure model		
Model name	ARIANEXT FLEX 70 M-T H LINK	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operacing range outdoor exchanger/indoor exchanger lower inflictioner infliction	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

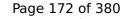
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

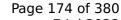
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was ger	nerated by the HP KEYN	MARK database on 7 Jul 2022
η_{S}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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





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 or Pdh Tj = Tdesignh if TOL < Tdesignh 2.73 kW 7.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 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 0.32 kW 0.39 kW	The same same gene		Tark database on 7 jul 2022
COP Tj = +2°C	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	COP Tj = +2°C	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Electricity Electricity Supplementary Heater: Type of energy input Electricity Electricity O.32 kW O.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 0.32 kW 0.39 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 0.32 kW 0.39 kW	Poff	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	PTO	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	РСК	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 3598 kWh 4706 kWh	Supplementary Heater: PSUP	0.32 kW	0.39 kW
	Annual energy consumption Qhe	3598 kWh	4706 kWh

Domestic Hot Water (DHW)



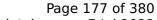
Warmer Climate

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	

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



Model: ARIANEXT FLEX 70 M-T LINK

Configure model		
Model name	ARIANEXT FLEX 70 M-T LINK	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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	

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

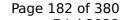
EN 14825			
	Low temperature	Medium temperature	
Pdesignh	11.85 kW	11.06 kW	



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This information was generated by the HP KEYMARK database on 7 Jul 2022

This information was gene	erated by the Hi KETI	IANN database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



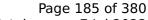
Warmer Climate

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 I	

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	

Model: NIMBUS COMPACT 70 M-T 2Z NET

Configure model		
Model name	NIMBUS COMPACT 70 M-T 2Z NET	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

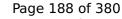
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

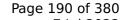
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

re Medium temperature
11.06 kW
_





η_s	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



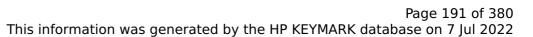


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



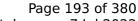
Warmer Climate

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 I	

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	

Model: NIMBUS COMPACT 70 M-T NET

Configure model		
Model name	NIMBUS COMPACT 70 M-T NET	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

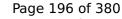
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



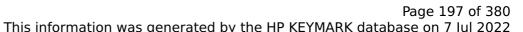


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

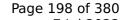
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
_





This information was generated by the HP KEYMARK database on 7 Jul 2			
152 %	118 %		
11.85 kW	11.06 kW		
3.87	3.03		
-7 °C	-7 °C		
-20 °C	-20 °C		
7.17 kW	6.70 kW		
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		
13 W	13 W		
	152 % 11.85 kW 3.87 -7 °C -20 °C 7.17 kW 3.42 4.48 kW 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		





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

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	7.89 kW	7.45 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





This information was generated by the HP KETMARK database on 7 jul 2022			
3.10	2.17		
4.31 kW	4.18 kW		
4.59	3.30		
2.76 kW	2.58 kW		
5.30	3.87		
2.60 kW	2.54 kW		
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		
13 W	13 W		
13 W	13 W		
13 W	13 W		
Electricity	Electricity		
0.32 kW	0.39 kW		
3598 kWh	4706 kWh		
	4.31 kW 4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.32 kW		

Domestic Hot Water (DHW)



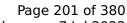
Warmer Climate

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

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

Model: NIMBUS FLEX 70 M-T 2Z H NET

Configure model		
Model name NIMBUS FLEX 70 M-T 2Z H NET		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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



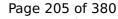


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

ure Medium temperature
11.06 kW
_





-		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





		<u> </u>
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)



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 land profile	XL	
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	

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	



Model: NIMBUS FLEX 70 M-T 2Z NET

Configure model		
Model name	NIMBUS FLEX 70 M-T 2Z NET	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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

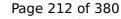
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



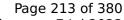


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

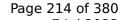
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W



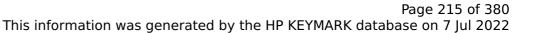


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)



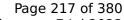
Warmer Climate

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	

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	



Model: NIMBUS FLEX 70 M-T H NET

Configure model		
Model name	NIMBUS FLEX 70 M-T H NET	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

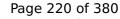
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



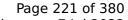


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

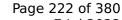
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

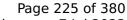


Warmer Climate

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





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

Model: NIMBUS FLEX 70 M-T NET

Configure model		
Model name NIMBUS FLEX 70 M-T NET		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

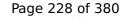
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



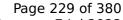


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

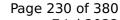
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





-		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



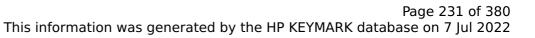


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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)

	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	7.89 kW	7.45 kW
SCOP	4.53	3.27
ГЬіν	-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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)

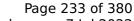


Warmer Climate

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 I





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

Model: ARIANEXT COMPACT 70 M-T 2Z

Configure model	
Model name	ARIANEXT COMPACT 70 M-T 2Z
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data			
Power supply 3x230V 50Hz			

Heating

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

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

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)

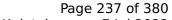
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	7.89 kW	7.45 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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-T

Configure model		
Model name ARIANEXT COMPACT 70 M-T		
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	No	
Cooling mode application (optional) n/a		

General Data		
Power supply 3x230V 50Hz		

Heating

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

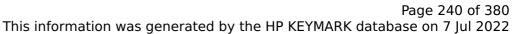
EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 I

Model: ARIANEXT FLEX 70 M-T 2Z H

Configure model		
Model name	ARIANEXT FLEX 70 M-T 2Z H	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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

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)

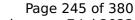
EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	7.89 kW	7.45 kW
SCOP	4.53	3.27
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = +7°C	2.76 kW	2.58 kW
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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-T 2Z

Configure model	
Model name	ARIANEXT FLEX 70 M-T 2Z
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data			
Power supply 3x230V 50Hz			

Heating

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	

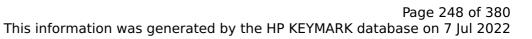
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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-T H

Configure model		
Model name	ARIANEXT FLEX 70 M-T H	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data			
Power supply 3x230V 50Hz			

Heating

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

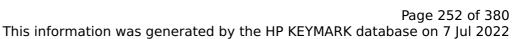
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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)

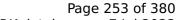
EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.89 kW	7.45 kW	
η_{s}	178 %	128 %	
Prated	7.89 kW	7.45 kW	
SCOP	4.53	3.27	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	6.98 kW	6.59 kW	
COP Tj = -7°C	3.10	2.17	
Pdh Tj = +2°C	4.31 kW	4.18 kW	
COP Tj = +2°C	4.59	3.30	
Pdh Tj = +7°C	2.76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





Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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-T

Configure model		
Model name ARIANEXT FLEX 70 M-T		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

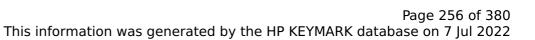
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	7.89 kW	7.45 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

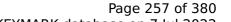




Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = Tbiv	3.10	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	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

Domestic Hot Water (DHW)

Average Climate



250 I



Mixed water at 40°C

This information was generated by the HP KEYMARK database on 7 Jul 2022 **EN 16147** Declared load profile Efficiency ηDHW 131 % COP 3.10 01:08 h:min Heating up time Standby power input 39.0 W 52.7 °C Reference hot water temperature



Model: ENERGION M PLUS 7 T 2Z

Configure model		
Model name ENERGION M PLUS 7 T 2Z		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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	

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	4.85 kW	4.38 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



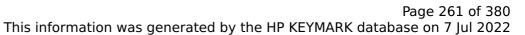


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

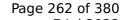
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





/ Jul 202



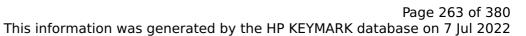


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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





Poff 15 W 15 W PTO 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		T	Tark database on 7 jul 2022
COP Tj = +2°C	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	COP Tj = +2°C	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C Foff 15 W 15 W 15 W PSB 15 W 15 W 15 W PCK 15 W 15 W 15 W 15 W 15 W 15 W Outplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Poff 15 W 15 W PTO 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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
PTO 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	WTOL	60 °C	60 °C
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	Poff	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	РТО	15 W	15 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	15 W	15 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	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	Annual energy consumption Qhe	3598 kWh	4706 kWh

Model: ENERGION M PLUS 7 T

Configure model		
Model name	ENERGION M PLUS 7 T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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	

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	4.85 kW	4.38 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



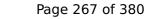


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	11.85 kW	11.06 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
$COPTj = -7^{\circ}C$	3.42	2.62
Pdh Tj = +2°C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



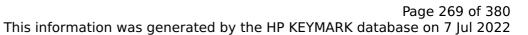


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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)	

	Low temperature	Medium temperature
Pdesignh	7.89 kW	7.45 kW
n _s	178 %	128 %
Prated	7.89 kW	7.45 kW
SCOP	4.53	3.27
Гbіv	-7 °C	-7 °C
ГОL	-10 °C	-10 °C
Pdh Tj = -7°C	6.98 kW	6.59 kW





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		T	Tark database on 7 jul 2022
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 7.06 kW COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = ToL or Pdh Tj = Tdesignh COP Tj = Tdesignh	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	$COP Tj = +2^{\circ}C$	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Electricity Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 0.32 kW 0.39 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 0.32 kW 0.39 kW	Poff	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	РТО	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	PCK	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Ohe 3598 kWh 4706 kWh	Supplementary Heater: PSUP	0.32 kW	0.39 kW
The state of the s	Annual energy consumption Qhe	3598 kWh	4706 kWh



Model: ENERGION M LIGHT 7 T

Configure model		
Model name	ENERGION M LIGHT 7 T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

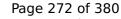
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



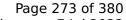


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

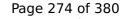
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
_





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



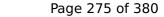


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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





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 or Pdh Tj = Tdesignh if TOL < Tdesignh 2.73 kW 7.06 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.77 1.95 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.90 0.90 WTOL 60 °C 60 °C Poff 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	I I I I I I I I I I I I I I I I I I I	T	Tark database on 7 jul 2022
COP Tj = +2°C	COP Tj = -7°C	3.10	2.17
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +7°C	COP Tj = +2°C	4.59	3.30
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 or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = $+7$ °C	2.76 kW	2.58 kW
COP Tj = 12°C	$COP Tj = +7^{\circ}C$	5.30	3.87
Pdh Tj = Tbiv 6.98 kW 6.59 kW COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	2.60 kW	2.54 kW
COP Tj = Tbiv 3.10 2.17 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.87	5.40
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	6.98 kW	6.59 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.10	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
WTOL 60 °C 60 °C 13 W 13 W PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W 13 W Electricity Supplementary Heater: Type of energy input Electricity Electricity O.32 kW O.39 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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 0.32 kW 0.39 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 0.32 kW 0.39 kW	Poff	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	РТО	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.32 kW 0.39 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 0.32 kW 0.39 kW	РСК	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 3598 kWh 4706 kWh	Supplementary Heater: PSUP	0.32 kW	0.39 kW
	Annual energy consumption Qhe	3598 kWh	4706 kWh

Model: ENERGION M FLEX 7 T 180 e

Configure model		
Model name ENERGION M FLEX 7 T 180 e		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operacing range outdoor exchanger/indoor exchanger lower inflictiower infliction	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	

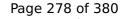
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



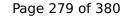


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

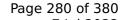
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was ger	Terated by the HP KETI	TARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	3.42	2.62
Pdh Tj = $+2^{\circ}$ C	4.48 kW	4.13 kW
$COPTj = +2^{\circ}C$	5.36	3.95
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.76 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



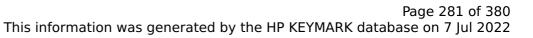


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



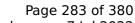
Warmer Climate

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 I	

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	

Model: ENERGION M FLEX 7 T 2Z 180 e

Configure model		
Model name	ENERGION M FLEX 7 T 2Z 180 e	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

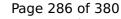
EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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



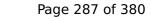


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy 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
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η_s	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W



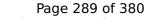


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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 temperatu	re Medium temperature
Pdesignh	7.89 kW	7.45 kW
η_{s}	178 %	128 %
Prated	7.89 kW	7.45 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
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
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Domestic Hot Water (DHW)

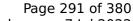


Warmer Climate

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 I





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	

Model: ENERGION M COMPACT 7 T

Configure model		
Model name	ENERGION M COMPACT 7 T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone Colder Climate + Warmer Climate		
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
	'	





This information was ger	erated by the fir KETI	TARK database on 7 Jul 2022
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W



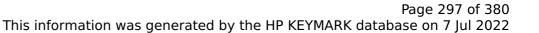


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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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COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)



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 land profile	XL	
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	





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	

Model: ENERGION M COMPACT 7 T 2Z

Configure model		
Model name	ENERGION M COMPACT 7 T 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	passed	
Defrost test	passed	

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	

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)	

ure Medium temperature
11.06 kW
_





η_{S}	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W

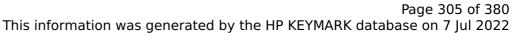




PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	





	<u> </u>	<u>, </u>
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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)

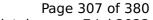


Warmer Climate

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	





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	



Model: ENERGION M HYBRIDall 7 T

Configure model		
Model name	ENERGION M HYBRIDall 7 T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

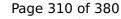
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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 temp				
Pdesignh	4.85 kW	4.38 kW		
η_{s}	223 %	150 %		
Prated	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

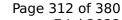
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





η _s Prated SCOP	152 % 11.85 kW	118 %
SCOP	11.85 kW	11 06 kW
		11.00 KVV
	3.87	3.03
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.17 kW	6.70 kW
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
6.98 kW	6.59 kW	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C -10 °C	



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This information was generated by the HP KEYMARK database on 7 Jul 2022

This information was gene		
$COPTj = -7^{\circ}C$	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
COP Tj = +2°C	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh
·	·	



Model: ATAG p ENERGION M HYBRIDzone 7 T

Configure model		
Model name	ATAG p ENERGION M HYBRIDzone 7 T	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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

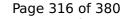
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

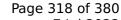
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

re Medium temperature
11.06 kW
_





This information was generated by the HP KEYMARK database on 7 Jul 202			
η_{s}	152 %	118 %	
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

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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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Model: ATAG i ENERGION M HYBRIDzone 7 T

Configure model		
Model name ATAG i ENERGION M HYBRIDzone 7 T		
Application Heating (medium temp)		
Units Indoor + Outdoor		
Climate Zone Colder Climate + Warmer Climate		
Reversibility No		
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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

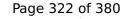
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

ure Medium temperature
11.06 kW
_





This information was generated by the HP KEYMARK database on 7 Jul 2		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

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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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
	•	



Model: NIMBUS M HYBRID UNIVERSAL 7 T NET

Configure model		
Model name	NIMBUS M HYBRID UNIVERSAL 7 T NET	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

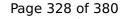
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

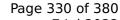
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	61 dB(A)	61 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
	'	





	<u> </u>	-
η_s	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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This information has gene	Tated by the III REIII	ARK database on 7 Jul 2022
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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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



Model: NIMBUS M HYBRID 7 T NET

Co	onfigure model
Model name	NIMBUS M HYBRID 7 T NET
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

	General Data	
Power supply	3x230V 50Hz	

Heating

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

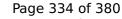
	EN 14511-2	
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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)

ure Medium temperature
11.06 kW
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This information was ger	ierated by the HP KETI	MARK database on 7 Jul 202
η_{S}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

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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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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
	•	



Model: NIMBUS M HYBRID FLEX 7 T NET

Configure model		
Model name	NIMBUS M HYBRID FLEX 7 T NET	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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	

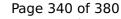
EN 14511-2			
Low temperature Medium temperature			
Heat output	6.40 kW	5.70 kW	
El input	1.28 kW	2.04 kW	
СОР	5.00	2.80	

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	4.85 kW	4.38 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
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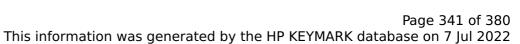


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

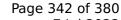
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW





This information was generated by the HP KEYMARK database on 7 Jul 2022				
η_{s}	152 %	118 %		
Prated	11.85 kW	11.06 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90		
WTOL	60 °C	60 °C		
Poff	13 W	13 W		
РТО	13 W	13 W		



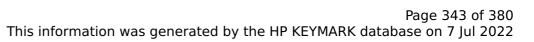


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	7.89 kW	7.45 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
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



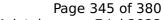
Warmer Climate

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
Declared load profile	AL .
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

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

Model: ARIANEXT M HYBRID 7 T LINK

Configure model		
Model name	ARIANEXT M HYBRID 7 T LINK	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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	

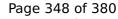
EN 14511-2		
	Low temperature	Medium temperature
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	2.04 kW
СОР	5.00	2.80

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	4.85 kW	4.38 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



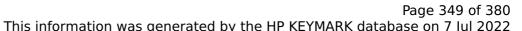


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

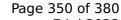
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	11.85 kW	11.06 kW
	'	





This information was generated by the HP KEYMARK database of		
η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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This information was generated by the HP KETMARK database on 7 jul 202.		
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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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



Model: ARIANEXT M HYBRID FLEX 7 T LINK

Configure model		
Model name	ARIANEXT M HYBRID FLEX 7 T LINK	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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	

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 temperat				
Pdesignh	4.85 kW	4.38 kW		
η_{s}	223 %	150 %		
Prated	4.85 kW	4.38 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

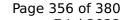
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

ure Medium temperature
11.06 kW
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11110 1110 110 11	cracea by the rin Ren	" " " database on 7 jan 202
η_s	152 %	118 %
Prated	11.85 kW	11.06 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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	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

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	7.89 kW	7.45 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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This information was generated by the HP KEYMARK database on 7 Jul 2022

		· · · · · · · · · · · · · · · · · · ·
COP Tj = -7°C	3.10	2.17
Pdh Tj = +2°C	4.31 kW	4.18 kW
$COP Tj = +2^{\circ}C$	4.59	3.30
Pdh Tj = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

Domestic Hot Water (DHW)



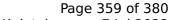
Warmer Climate

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
Declared load profile	AL .
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

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

Model: ARIANEXT M HYBRID UNIVERSAL 7 T LINK

Configure model		
Model name ARIANEXT M HYBRID UNIVERSAL 7 T LINK		
Application Heating (medium temp)		
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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

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



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	4.85 kW	4.38 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
$COP Tj = +2^{\circ}C$	3.96	2.24
Pdh Tj = $+7^{\circ}$ C	3.12 kW	2.81 kW
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	11.85 kW	11.06 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
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W



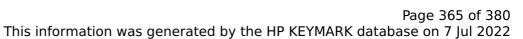


РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	7544 kWh	9000 kWh

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	
7.89 kW	7.45 kW	
178 %	128 %	
7.89 kW	7.45 kW	
4.53	3.27	
-7 °C	-7 °C	
-10 °C	-10 °C	
	Low temperature 7.89 kW 178 % 7.89 kW 4.53 -7 °C	





This information was gene	rated by the Thi KETI	IAITE database on 7 jui 202.
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 = $+7^{\circ}$ C	2.76 kW	2.58 kW
$COPTj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	0.32 kW	0.39 kW
Annual energy consumption Qhe	3598 kWh	4706 kWh

Model: AEROTOP HYBRID MINI EVO 07

Configure model		
Model name	AEROTOP HYBRID MINI EVO 07	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	4.85 kW	4.38 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



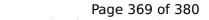


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.85 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.24
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1148 kWh	1524 kWh

Colder Climate

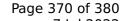
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

ure Medium temperature
11.06 kW
_





η_{s}	152 %	118 %
Prated	11.85 kW	11.06 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
$COP Tj = +7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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

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	7.89 kW	7.45 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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3.10	2.17
4.31 kW	4.18 kW
4.59	3.30
2.76 kW	2.58 kW
5.30	3.87
2.60 kW	2.54 kW
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
Gas	Gas
0.32 kW	0.39 kW
3598 kWh	4706 kWh
	4.59 2.76 kW 5.30 2.60 kW 6.87 6.98 kW 3.10 2.73 kW 2.77 0.90 60 °C 13 W 13 W 13 W 13 W Gas 0.32 kW



Model: NIMBUS M FLEX IN 7 NET

Configure model		
Model name NIMBUS M FLEX IN 7 NET		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x230V 50Hz		

Heating

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 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

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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: ARIANEXT M FLEX IN 7 T LINK

Configure model		
Model name ARIANEXT M FLEX IN 7 T LINK		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data		
Power supply 3x230V 50Hz		

Heating

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

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	

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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-CR

Configure model		
Model name	AEROTOP MONO BUILT-IN 07M-CR	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x230V 50Hz	

Heating

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 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

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	7.89 kW	7.45 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 or Pdh Tj = Tdesignh if TOL < Tdesignh	2.73 kW	7.06 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.77	1.95
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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