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Login

Summary of	NIMBUS 40 M - ARIANEXT 40 M - AEROTOP MONO 04X - ENERGION M 4	Reg. No.	ICIM-PDC- 000001
Certificate Holder			
Name	Ariston Thermo Group		
Address	Viale Aristide Merloni 45	Zip	I-60044
City	Fabriano (AN)	Country	Italy
Certification Body	ICIM S.p.A.		
Subtype title	NIMBUS 40 M - ARIANEXT 40 M - AEROTOP MONO 04X - ENERGION M 4		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.88 kg		
Certification Date	19.12.2017		

Model: AEROTOP MONO 04M-RX 1Z

Configure model		
Model name AEROTOP MONO 04M-RX 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	1x230V 50Hz	

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29

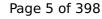




Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_S 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





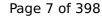
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Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: AEROTOP MONO 04M-RX 2Z

Configure model		
Model name AEROTOP MONO 04M-RX 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	1x230V 50Hz	

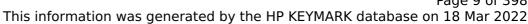
Heating

ΕN	14511-2	

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

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

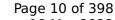
Average Climate





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53

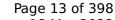


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Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
Low temperature		Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: AEROTOP MONO 04M-RXL

Configure model		
Model name	AEROTOP MONO 04M-RXL	
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	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

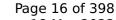
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	5.21 kW	4.64 kW	
η_{s}	191 %	135 %	
Prated	5.21 kW	4.64 kW	
SCOP	4.55	3.25	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.61 kW	4.10 kW	
COP Tj = -7°C	3.30	2.29	
Pdh Tj = +2°C	2.80 kW	2.50 kW	
COP Tj = +2°C	4.48	3.27	
Pdh Tj = +7°C	1.82 kW	1.62 kW	
COP Tj = +7°C	5.44	3.69	
Pdh Tj = 12°C	1.54 kW	1.51 kW	
COP Tj = 12°C	7.21	5.29	





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825Low temperatureMedium temperaturePdesignh2.80 kW2.32 kWηs225 %138 %Prated2.80 kW2.32 kWSCOP5.693.53



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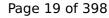
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: AEROTOP MONO 04M-X 1Z

Configure model	
Model name	AEROTOP MONO 04M-X 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	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

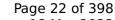
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29

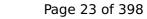




Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_S 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



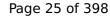


Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: AEROTOP MONO 04M-X 2Z

Configure model	
Model name	AEROTOP MONO 04M-X 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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW

2.82

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

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)



Model: ARIANEXT LITE 40 M LINK

Configure model	
Model name	ARIANEXT LITE 40 M 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	1x230V 50Hz	

FN 14511-2

Heating

5.11

COP

EN 14311-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

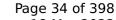
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



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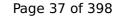
This information was generated by the HP KEYMARK database on 18 Mar 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT LITE 40 M

Configure model		
Model name	ARIANEXT LITE 40 M	
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	1x230V 50Hz	

Heating

ΕN	14511-2	

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

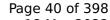
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





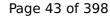
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Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

Model: ARIANEXT PLUS 40 M 2Z H LINK

Configure model		
Model name	ARIANEXT PLUS 40 M 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	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825Low temperatureMedium temperaturePdesignh2.80 kW2.32 kWηs225 %138 %Prated2.80 kW2.32 kWSCOP5.693.53





Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.74 kW	7.37 kW	
η_{s}	149 %	116 %	
Prated	7.74 kW	7.37 kW	
SCOP	3.80	2.98	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	4.69 kW	4.46 kW	
COP Tj = -7°C	3.60	2.74	
Pdh Tj = +2°C	2.90 kW	2.89 kW	
COP Tj = +2°C	5.05	3.77	
Pdh Tj = +7°C	1.83 kW	1.75 kW	
COP Tj = +7°C	6.67	5.33	
Pdh Tj = 12°C	1.62 kW	1.61 kW	





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M 2Z H

Configure model		
Model name	ARIANEXT PLUS 40 M 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	1x230V 50Hz	

FN 14511-2

Heating

Heat output

5.11

El input

COP

LIN 14311 Z		
	Low temperature	Medium temperature
	3.50 kW	2.96 kW
	0.69 kW	1.05 kW

2.82

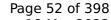
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.32 kW
η_{S}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53





This information was genera	ted by the fit RETINA	in database on 10 mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M 2Z LINK

Configure model		
Model name	ARIANEXT PLUS 40 M 2Z 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	1x230V 50Hz	

EN 14511-2

Low temperature

Heating

Medium temperature

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

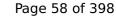
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





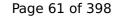
This information was general		1
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
$COP Tj = +2^{\circ}C$	3.92	2.18
Pdh Tj = $+7$ °C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M 2Z

Configure model		
Model name ARIANEXT PLUS 40 M 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 1x230V 50Hz		

Heating

COP

5.11

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

2.82

EN 14511-2

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





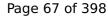
ted by the HI KETMAI	RK database on 18 Mar 2022
2 °C	2 °C
2 °C	2 °C
2.80 kW	2.32 kW
3.92	2.18
1.80 kW	1.53 kW
5.05	2.77
1.61 kW	1.61 kW
7.63	5.66
2.80 kW	2.32 kW
3.92	2.18
2.80 kW	2.32 kW
3.92	2.18
0.90	0.90
60 °C	60 °C
13 W	13 W
Electricity	Electricity
0.00 kW	0.00 kW
658 kWh	877 kWh
	2 °C 2 °C 2.80 kW 3.92 1.80 kW 5.05 1.61 kW 7.63 2.80 kW 3.92 2.80 kW 3.92 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.00 kW



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M H LINK

Configure model		
Model name ARIANEXT PLUS 40 M 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	1x230V 50Hz	

Heating

ΕN	145	TI	-2

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

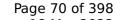
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



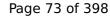
This information was genera	ted by the HP KETMAR	(K database on 10 Mai 2022
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COPTj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M H

Configure model		
Model name	ARIANEXT PLUS 40 M 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	1x230V 50Hz	

Heating

COP

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

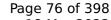
Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	5.21 kW	4.64 kW	
η_{s}	191 %	135 %	
Prated	5.21 kW	4.64 kW	
SCOP	4.55	3.25	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.61 kW	4.10 kW	
COP Tj = -7°C	3.30	2.29	
Pdh Tj = +2°C	2.80 kW	2.50 kW	
COP Tj = +2°C	4.48	3.27	
Pdh Tj = +7°C	1.82 kW	1.62 kW	
COP Tj = +7°C	5.44	3.69	
Pdh Tj = 12°C	1.54 kW	1.51 kW	
COP Tj = 12°C	7.21	5.29	





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



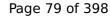


This information was genera	ted by the fill RETIFIA	TR database on 10 Mar 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COPTj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.74 kW	7.37 kW	
η_{s}	149 %	116 %	
Prated	7.74 kW	7.37 kW	
SCOP	3.80	2.98	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	4.69 kW	4.46 kW	
COP Tj = -7°C	3.60	2.74	
Pdh Tj = +2°C	2.90 kW	2.89 kW	
COP Tj = +2°C	5.05	3.77	
Pdh Tj = +7°C	1.83 kW	1.75 kW	
COP Tj = +7°C	6.67	5.33	
Pdh Tj = 12°C	1.62 kW	1.61 kW	





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M LINK

Configure model	
Model name	ARIANEXT PLUS 40 M 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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input 0.69 kW 1.05 kW		1.05 kW

2.82

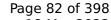
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





This information was genera	ted by the fit RETINA	in database on 10 mai 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: ARIANEXT PLUS 40 M

Configure model	
Model name	ARIANEXT PLUS 40 M
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 1x230V 50Hz		

EN 14511-2

Low temperature

Heating

Medium temperature

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

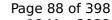
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29

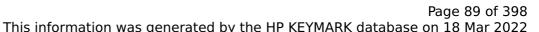




Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	2.80 kW	2.32 kW
η_s	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
	·	





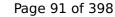
ted by the HP KEYMAR	RK database on 18 Mar 202
2 °C	2 °C
2 °C	2 °C
2.80 kW	2.32 kW
3.92	2.18
1.80 kW	1.53 kW
5.05	2.77
1.61 kW	1.61 kW
7.63	5.66
2.80 kW	2.32 kW
3.92	2.18
2.80 kW	2.32 kW
3.92	2.18
0.90	0.90
60 °C	60 °C
13 W	13 W
Electricity	Electricity
0.00 kW	0.00 kW
658 kWh	877 kWh
	2 °C 2 °C 2.80 kW 3.92 1.80 kW 5.05 1.61 kW 7.63 2.80 kW 3.92 2.80 kW 3.92 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 0.00 kW



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: NIMBUS PLUS 40 M 2Z H NET

Configure model	
Model name	NIMBUS PLUS 40 M 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 1x230V 50Hz		

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29

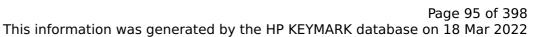




Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_S 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



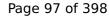


Tina imanimation was general	The The Transit	The database on 18 Mar 202
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
$COP Tj = +2^{\circ}C$	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: NIMBUS PLUS 40 M 2Z NET

Configure model		
Model name	NIMBUS PLUS 40 M 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 1x230V 50Hz		

Heating

EN	14511-2	

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

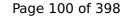
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



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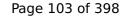
This information was generated by the HP KEYMARK database on 18 Mar 2022

Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: NIMBUS PLUS 40 M H NET

Configure model		
Model name	NIMBUS PLUS 40 M 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	1x230V 50Hz	

Heating

EN 14	51	1-	2
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	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

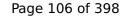
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825Low temperatureMedium temperaturePdesignh2.80 kW2.32 kWηs225 %138 %Prated2.80 kW2.32 kWSCOP5.693.53





Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





Sound power level outdoor

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

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

57 dB(A)

57 dB(A)

Model: NIMBUS PLUS 40 M NET

Configure model		
Model name NIMBUS PLUS 40 M 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	1x230V 50Hz	

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

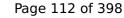
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_s 225 % 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53



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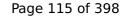
This information was general		
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Colder Climate

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: NIMBUS POCKET 40 M NET

Configure model		
Model name	NIMBUS POCKET 40 M 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	1x230V 50Hz	

Heating

COP

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

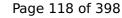
Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 14825 Low temperature Medium temperature Pdesignh 2.80 kW 2.32 kW η_S 138 % Prated 2.80 kW 2.32 kW SCOP 5.69 3.53





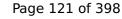
This information was generated by the HP KEYMARK database on 18 Mar 2022				
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = $+2$ °C	2.80 kW	2.32 kW		
COP Tj = +2°C	3.92	2.18		
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW		
COP Tj = +7°C	5.05	2.77		
Pdh Tj = 12°C	1.61 kW	1.61 kW		
COP Tj = 12°C	7.63	5.66		
Pdh Tj = Tbiv	2.80 kW	2.32 kW		
COP Tj = Tbiv	3.92	2.18		
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18		
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	658 kWh	877 kWh		



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.74 kW	7.37 kW	
η_{s}	149 %	116 %	
Prated	7.74 kW	7.37 kW	
SCOP	3.80	2.98	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	4.69 kW	4.46 kW	
COP Tj = -7°C	3.60	2.74	
Pdh Tj = +2°C	2.90 kW	2.89 kW	
COP Tj = +2°C	5.05	3.77	
Pdh Tj = +7°C	1.83 kW	1.75 kW	
COP Tj = +7°C	6.67	5.33	
Pdh Tj = 12°C	1.62 kW	1.61 kW	





COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)



Model: AEROTOP MONO 04M-CRX 1Z

Configure model		
Model name	AEROTOP MONO 04M-CRX 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	1x230V 50Hz	

Heating

ΕN	14511-2	

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

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	5.21 kW	4.64 kW	
η_{s}	191 %	135 %	
Prated	5.21 kW	4.64 kW	
SCOP	4.55	3.25	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.61 kW	4.10 kW	
COP Tj = -7°C	3.30	2.29	
Pdh Tj = +2°C	2.80 kW	2.50 kW	
COP Tj = +2°C	4.48	3.27	
Pdh Tj = +7°C	1.82 kW	1.62 kW	
COP Tj = +7°C	5.44	3.69	
Pdh Tj = 12°C	1.54 kW	1.51 kW	
COP Tj = 12°C	7.21	5.29	



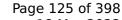


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COPTj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



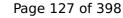


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



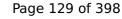
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	

Model: AEROTOP MONO 04M-CRX 2Z

Configure model		
Model name	AEROTOP MONO 04M-CRX 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 1x230V 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	

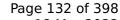
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



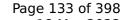


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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1Low temperatureMedium temperatureSound power level indoor15 dB(A)15 dB(A)Sound power level outdoor57 dB(A)57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



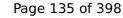


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh
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Domestic Hot Water (DHW)

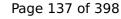
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	246 I

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246



Model: ARIANEXT COMPACT 40 M 2Z LINK

Configure model		
Model name	ARIANEXT COMPACT 40 M 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	1x230V 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	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
	,	-



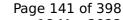


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

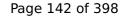
EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





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Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



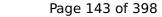


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

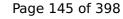
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 I	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	



Model: ARIANEXT COMPACT 40 M LINK

Configure model		
Model name	ARIANEXT COMPACT 40 M 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	1x230V 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



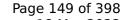


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

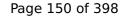
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



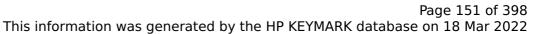


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



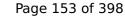
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	



Model: ARIANEXT FLEX 40 M 2Z H LINK

Configure model		
Model name	ARIANEXT FLEX 40 M 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 1x230V 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	

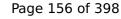
EN 14511-2				
Low temperature Medium temperature				
Heat output	3.50 kW	2.96 kW		
El input	0.69 kW	1.05 kW		
СОР	5.11	2.82		

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
	,	-



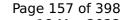


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

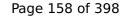
EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



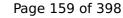


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

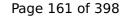
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	



Model: ARIANEXT FLEX 40 M 2Z LINK

Configure model		
Model name	ARIANEXT FLEX 40 M 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	1x230V 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	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



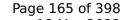


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COPTj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



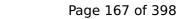


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	



Model: ARIANEXT FLEX 40 M LINK

Configure model		
Model name	ARIANEXT FLEX 40 M 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 1x230V 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	

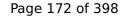
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



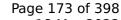


	<u> </u>	
Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh
Supplementary Heater: Type of energy input Supplementary Heater: PSUP	Electricity 1.14 kW	Electricity 0.72 kW

Warmer Climate

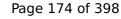
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



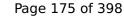


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



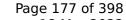
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 I	

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I

Model: ARIANEXT FLEX 40 M H LINK

Configure model	
Model name ARIANEXT FLEX 40 M 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	1x230V 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



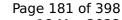


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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

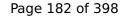
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



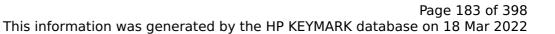


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





Domestic Hot Water (DHW)



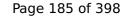
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Model: NIMBUS COMPACT 40 M 2Z NET

Configure model		
Model name	NIMBUS COMPACT 40 M 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 1x230V 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



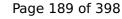


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

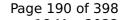
EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





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Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



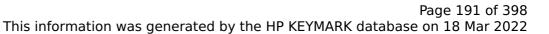


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

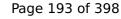
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	246

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246

Model: NIMBUS COMPACT 40 M NET

Configure model		
Model name	NIMBUS COMPACT 40 M 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	1x230V 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
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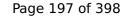


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

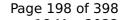
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



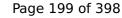


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

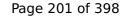
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	



Model: NIMBUS FLEX 40 M 2Z H NET

Configure model		
Model name	NIMBUS FLEX 40 M 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 1x230V 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	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



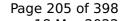


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

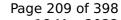
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I



Model: NIMBUS FLEX 40 M 2Z NET

Configure model		
Model name	NIMBUS FLEX 40 M 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	1x230V 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

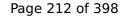
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



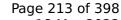


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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

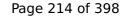
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 1482	25	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



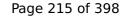


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh
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Domestic Hot Water (DHW)

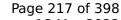
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	246

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246

Model: NIMBUS FLEX 40 M H NET

Configure model		
Model name	NIMBUS FLEX 40 M 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	1x230V 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	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



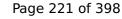


	<u> </u>	
Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh
Supplementary Heater: Type of energy input Supplementary Heater: PSUP	Electricity 1.14 kW	Electricity 0.72 kW

Warmer Climate

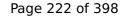
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





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Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



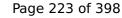


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



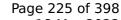
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	



Model: NIMBUS FLEX 40 M NET

Configure model		
Model name	NIMBUS FLEX 40 M 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 1x230V 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	

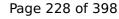
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

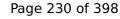
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



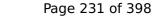


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

Average Climate

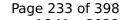
This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 l	

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I



Model: ARIANEXT COMPACT 40 M 2Z

Configure model		
Model name	ARIANEXT COMPACT 40 M 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	1x230V 50Hz	

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

		- Ioaiaii comporatare
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



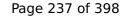
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:34 h:min
Standby power input	38.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	250 I



Model: ARIANEXT COMPACT 40 M

Configure model		
Model name	ARIANEXT COMPACT 40 M	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



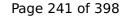
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:34 h:min	
Standby power input	38.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	250 I	



Model: ARIANEXT FLEX 40 M 2Z H

Configure model		
Model name	ARIANEXT FLEX 40 M 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	1x230V 50Hz	

EN 14511-2

Heating

Heat output

El input

COP

0.69 kW

5.11

Medium temperature
2.96 kW

1.05 kW

2.82

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

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



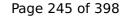
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:34 h:min	
Standby power input	38.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	250 I	

Model: ARIANEXT FLEX 40 M 2Z

Configure model		
Model name	ARIANEXT FLEX 40 M 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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW

2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



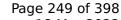
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:34 h:min
Standby power input	38.0 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	250 I



Model: ARIANEXT FLEX 40 M H

Configure model		
Model name ARIANEXT FLEX 40 M 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	1x230V 50Hz	

Heating

COP

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW

2.82

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

Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



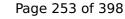
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:34 h:min	
Standby power input	38.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	250 I	



Model: ARIANEXT FLEX 40 M

Configure model		
Model name	ARIANEXT FLEX 40 M	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

	General Data	
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825					
Low temperature Medium temperature					
Pdesignh	5.21 kW	4.64 kW			
η_{s}	191 %	135 %			
Prated	5.21 kW	4.64 kW			
SCOP	4.55	3.25			
Tbiv	-7 °C	-7 °C			
TOL	-10 °C	-10 °C			
Pdh Tj = -7°C	4.61 kW	4.10 kW			
COP Tj = -7°C	3.30	2.29			
Pdh Tj = +2°C	2.80 kW	2.50 kW			
COP Tj = +2°C	4.48	3.27			
Pdh Tj = +7°C	1.82 kW	1.62 kW			
COP Tj = +7°C	5.44	3.69			
Pdh Tj = 12°C	1.54 kW	1.51 kW			
COP Tj = 12°C	7.21	5.29			



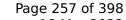
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This information was generated by the HP KEYMARK database on 18 Mar 2022

Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:34 h:min	
Standby power input	38.0 W	
Reference hot water temperature	53.0 °C	
Mixed water at 40°C	250 l	



Model: ENERGION M PLUS 4

Configure model		
Model name	ENERGION M PLUS 4	
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	1x230V 50Hz	

Heating

ΕN	14511-2	

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

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

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



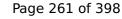


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

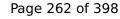
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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This information was generated by the HP KEYMARK database on 18 Mar 2022

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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
$COPTj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh
t-	·	



Model: ENERGION M LIGHT 4

Configure model		
Model name	ENERGION M LIGHT 4	
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	1x230V 50Hz	

EN 14511-2

Heating

Heat output

5.11

El input

COP

Low temperature	Medium temperature
3.50 kW	2.96 kW
0.69 kW	1.05 kW

2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



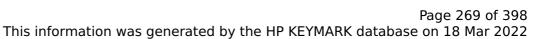


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COD T: 70C	2.60	2.74
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh



Model: ENERGION M PLUS 4 2Z

Configure model	
Model name	ENERGION M PLUS 4 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	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



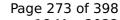


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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

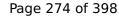
EN 12102-1Low temperatureMedium temperatureSound power level indoor43 dB(A)43 dB(A)Sound power level outdoor57 dB(A)57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





This information was generated by the HP RETMARK database on 18 Mar 2022			
COP Tj = -7°C	3.60	2.74	
Pdh Tj = +2°C	2.90 kW	2.89 kW	
COP Tj = +2°C	5.05	3.77	
Pdh Tj = +7°C	1.83 kW	1.75 kW	
$COP Tj = +7^{\circ}C$	6.67	5.33	
Pdh Tj = 12°C	1.62 kW	1.61 kW	
COP Tj = 12°C	7.80	6.21	
Pdh Tj = Tbiv	4.69 kW	4.46 kW	
COP Tj = Tbiv	3.60	2.74	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52	
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	5022 kWh	6088 kWh	



Model: ENERGION M FLEX 4 180 e

Configure model		
Model name	ENERGION M FLEX 4 180 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	1x230V 50Hz	

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

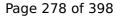
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



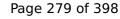


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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

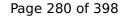
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



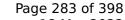
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
СОР	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	246

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246



Model: ENERGION M FLEX 4 2Z 180 e

Configure model		
Model name	ENERGION M FLEX 4 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	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
	·	1





This information was generated by the Hir KETMARK database on 10 Mar 2022		
4.61 kW	4.10 kW	
3.30	2.13	
4.07 kW	3.92 kW	
2.99	2.13	
0.90	0.90	
60 °C	60 °C	
15 W	15 W	
Electricity	Electricity	
4.00 kW	4.00 kW	
2366 kWh	2949 kWh	
	4.61 kW 3.30 4.07 kW 2.99 0.90 60 °C 15 W 15 W 15 W 15 W 4.00 kW	

Warmer Climate

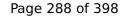
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



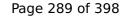


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



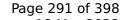
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
COP	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	



Model: ENERGION M COMPACT 4

Configure model		
Model name	ENERGION M COMPACT 4	
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 1x230V 50Hz		

EN 14511-2

Heating

Low temperature	Medium temperature
3.50 kW	2.96 kW

Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
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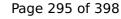


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 I	

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I



Model: ENERGION M COMPACT 4 2Z

Configure model		
Model name	ENERGION M COMPACT 4 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 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



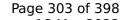


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	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	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 43 dB(A) 43 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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



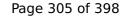


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



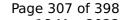
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 I	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246	



Model: ENERGION M HYBRIDall 4

Configure model		
Model name ENERGION M HYBRIDall 4		
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	1x230V 50Hz	

Heating

EN 14511-2

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

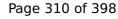
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



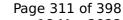


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

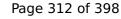
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825			
Low temperature Medium temperature			





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COP Tj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	4.42 kW	4.52 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh



Model: ATAG p ENERGION M HYBRIDzone 4

Configure model		
Model name	ATAG p ENERGION M HYBRIDzone 4	
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 1x230V 50Hz		

EN 14511-2

Low temperature

Heating

Medium temperature
2.96 kW

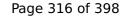
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



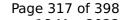


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

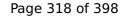
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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	· · · · · · · · · · · · · · · · · · ·	
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	4.42 kW	4.52 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh



Model: ATAG i ENERGION M HYBRIDzone 4

Configure model		
Model name	ATAG i ENERGION M HYBRIDzone 4	
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	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{S}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29
	,	-



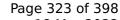


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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This information was general		
COP Tj = -7°C	3.60	2.74
Pdh Tj = $+2$ °C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	4.42 kW	4.52 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh



Model: NIMBUS M HYBRID 4 NET

Configure model		
Model name	NIMBUS M HYBRID 4 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	1x230V 50Hz	

Heating

COP

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

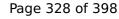
Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



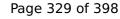


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

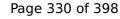
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
$COPTj = +7^{\circ}C$	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh



Model: NIMBUS M HYBRID FLEX 4 NET

Configure model		
Model name	NIMBUS M HYBRID FLEX 4 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	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



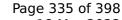


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

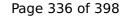
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





$COP Tj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



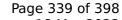
Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	107 %	
СОР	2.60	
Heating up time	01:48 h:min	
Standby power input	44.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	

Warmer Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	133 %	
СОР	3.20	
Heating up time	02:46 h:min	
Standby power input	39.0 W	
Reference hot water temperature	52.6 °C	
Mixed water at 40°C	246 I	

Colder Climate





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	95 %	
СОР	2.30	
Heating up time	02:55 h:min	
Standby power input	42.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	246 I	



Model: NIMBUS M HYBRID UNIVERSAL 4 NET

Configure model		
Model name NIMBUS M HYBRID UNIVERSAL 4 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 1x230V 50Hz		

Heating

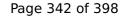
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



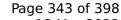


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
$COPTj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Model: ARIANEXT M HYBRID 4 LINK

Configure model		
Model name	ARIANEXT M HYBRID 4 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	1x230V 50Hz	

Heating

ΕN	14511-2	

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

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



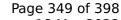


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh



Model: ARIANEXT M HYBRID 40

Configure model		
Model name	ARIANEXT M HYBRID 40	
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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



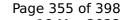


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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	<u> </u>	
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh



Model: ARIANEXT M HYBRID FLEX 4 LINK

Configure model		
Model name	ARIANEXT M HYBRID FLEX 4 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	1x230V 50Hz	

Heating

COP

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



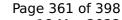


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

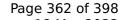
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW





$COP Tj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh

Domestic Hot Water (DHW)



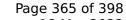
Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	107 %
СОР	2.60
Heating up time	01:48 h:min
Standby power input	44.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I

Warmer Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.20
Heating up time	02:46 h:min
Standby power input	39.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	246

Colder Climate





EN 16147	
Declared load profile	XL
Efficiency ηDHW	95 %
СОР	2.30
Heating up time	02:55 h:min
Standby power input	42.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	246 I



Model: ARIANEXT M HYBRID UNIVERSAL 4 LINK

Configure model		
Model name	ARIANEXT M HYBRID UNIVERSAL 4 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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW

2.82

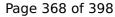
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29





Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

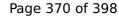
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 1482	25	
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η _s	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Гріг	-7 °C	-7 °C
ГОЬ	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COP Tj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh
	•	



Model: AEROTOP HYBRID MINI EVO 04X

Configure model		
Model name	AEROTOP HYBRID MINI EVO 04X	
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	1x230V 50Hz	

Heating

COP

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	

2.82

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

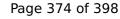
Average Climate

5.11



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



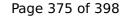


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	-	
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COPTj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
$COP Tj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh
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Model: AEROTOP HYBRID MINI EVO 4

Configure model		
Model name	AEROTOP HYBRID MINI EVO 4	
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	1x230V 50Hz	

Heating

COP

5.11

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW

2.82

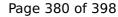
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



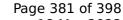


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

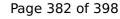
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = +7°C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
$COPTj = +7^{\circ}C$	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh



Model: AEROTOP HYBRID UNIVERSAL 4

Configure model		
Model name	AEROTOP HYBRID UNIVERSAL 4	
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	1x230V 50Hz	

Heating

COP

EN 14511-2				
Low temperature Medium temperature				
Heat output	3.50 kW	2.96 kW		
El input	0.69 kW	1.05 kW		

2.82

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

Average Climate

5.11



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



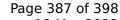


Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	1.14 kW	0.72 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh

Warmer Climate

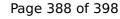
EN 12102-1 Low temperature Medium temperature Sound power level indoor 15 dB(A) 15 dB(A) Sound power level outdoor 57 dB(A) 57 dB(A)

EN 14825		
	Low temperature	Medium temperature





	,	YMARK database on 18 Mar i
Pdesignh	2.80 kW	2.32 kW
η_{s}	225 %	138 %
Prated	2.80 kW	2.32 kW
SCOP	5.69	3.53
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.80 kW	2.32 kW
COP Tj = +2°C	3.92	2.18
Pdh Tj = $+7^{\circ}$ C	1.80 kW	1.53 kW
COP Tj = +7°C	5.05	2.77
Pdh Tj = 12°C	1.61 kW	1.61 kW
COP Tj = 12°C	7.63	5.66
Pdh Tj = Tbiv	2.80 kW	2.32 kW
COP Tj = Tbiv	3.92	2.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
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	658 kWh	877 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
η_{s}	149 %	116 %
Prated	7.74 kW	7.37 kW
SCOP	3.80	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.46 kW



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rine information was genera		
COP Tj = -7°C	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = +7°C	1.83 kW	1.75 kW
COP Tj = +7°C	6.67	5.33
Pdh Tj = 12°C	1.62 kW	1.61 kW
COP Tj = 12°C	7.80	6.21
Pdh Tj = Tbiv	4.69 kW	4.46 kW
COP Tj = Tbiv	3.60	2.74
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.92 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.35	1.52
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	5022 kWh	6088 kWh
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Model: NIMBUS M FLEX IN 4 NET

Configure model		
Model name NIMBUS M FLEX IN 4 NET		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
$COP Tj = +2^{\circ}C$	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.10 kW	0.70 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh



Model: ARIANEXT M FLEX IN 4 LINK

Configure model		
Model name ARIANEXT M FLEX IN 4 LINK		
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional) n/a		

General Data		
Power supply 1x230V 50Hz		

Heating

COP

5.11

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

2.82

EN 14511-2

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

Average Climate

EN 12102-1		
Low temperature Medium temperature		Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor 57 dB(A) 57 dB(A)		

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.10 kW	0.70 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh



Model: AEROTOP MONO BUILT-IN 04M-CRX

Configure model		
Model name	AEROTOP MONO BUILT-IN 04M-CRX	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
COP	5 11	2 82	

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

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44	3.69
Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = 12°C	7.21	5.29



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Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = Tbiv	3.30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	1.10 kW	0.70 kW
Annual energy consumption Qhe	2366 kWh	2949 kWh