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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		

CEN heat pump

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	

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	

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
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	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			
n temperature	Low temperature		
I	7.74 kW	Pdesignh	
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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
$COPTj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W



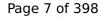


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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

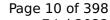
EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

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

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



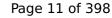


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

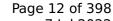
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

emperature M	edium temperature
W 7.	37 kW
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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
$COPTj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W



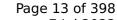


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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

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 14511-4		
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	

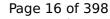
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



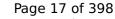


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

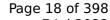
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
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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



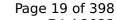


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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
$COPTj = +7^{\circ}C$	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



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 14511-4		
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	

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



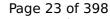


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

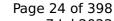
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



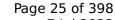


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





Time intermidation mas gene	,	
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
$COP Tj = +7^{\circ}C$	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
	t .	



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

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

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

Colder Climate

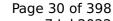
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Medium temperature
7.37 kW
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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
$COPTj = -7^{\circ}C$	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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W



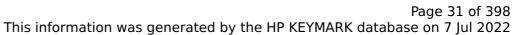


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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3.30	2.29
2.80 kW	2.50 kW
4.48	3.27
1.82 kW	1.62 kW
5.44	3.69
1.54 kW	1.51 kW
7.21	5.29
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
13 W	13 W
Electricity	Electricity
1.14 kW	0.72 kW
2366 kWh	2949 kWh
	3.30 2.80 kW 4.48 1.82 kW 5.44 1.54 kW 7.21 4.61 kW 3.30 4.07 kW 2.99 0.90 60 °C 13 W 13 W 13 W 13 W Electricity 1.14 kW

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	

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

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



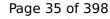


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

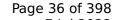
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Medium temperature
7.37 kW
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This information was generated by the HP KEYMARK database on 7 Jul 2022			
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	
$COPTj = +2^{\circ}C$	5.05	3.77	
Pdh Tj = $+7^{\circ}$ 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	



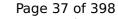


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





$COPTj = -7^{\circ}C$	3.30	2.29
	3.30	2.23
Pdh Tj = $+2^{\circ}$ 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

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

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	

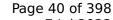
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



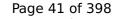


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

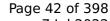
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





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
$COPTj = +7^{\circ}C$	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
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

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





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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
$COPTj = +7^{\circ}C$	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
РСК	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
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Model: ARIANEXT PLUS 40 M 2Z H LINK

Со	onfigure 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 14511-4	
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

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



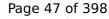


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



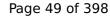


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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
$COPTj = +7^{\circ}C$	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



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			

Heating

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

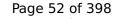
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



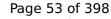


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

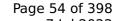
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

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
$COP Tj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7$ °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



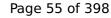


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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 %	6	135 %
Prated	5.21	kW	4.64 kW
SCOP	4.55		3.25
Tbiv	-7 °C		-7 °C
TOL	-10 °C	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
$COP Tj = +7^{\circ}C$	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

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		

Heating

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

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

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



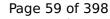


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

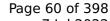
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





This information was generated by the HP KEYMARK database on 7 Jul 2022			
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 = $+2^{\circ}$ 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	



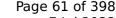


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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

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

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

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



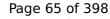


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





This information was ger	ierated by the HP KETK	TARK database on 7 Jul 2022
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
$COPTj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COPTj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ 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	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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



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

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

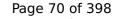
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



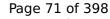


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

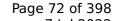
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW





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

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)

	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
n _s	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
ГЬіν	-7 °C	-7 °C
ГОL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW





$COPTj = -7^{\circ}C$	3.30	2.29
	3.30	2.23
Pdh Tj = $+2^{\circ}$ 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

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

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	

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



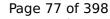


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





	<u> </u>	<u> </u>
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
$COPTj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COPTj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ 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	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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
$COPTj = +7^{\circ}C$	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

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

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

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



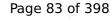


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

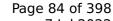
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
ım temperature		
W		





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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W



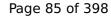


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





$COPTj = -7^{\circ}C$	3.30	2.29
	3.30	2.23
Pdh Tj = $+2^{\circ}$ 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

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	

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	

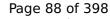
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



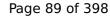


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

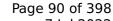
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Medium temperature
7.37 kW
_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



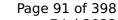


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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



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			

Heating

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

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

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		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



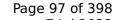


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





ins mornation was gene		
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
$COP Tj = +7^{\circ}C$	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
1		



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 14511-4		
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

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



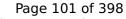


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

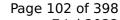
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW





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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





		a a a
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
$COP Tj = +7^{\circ}C$	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
РСК	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

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 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

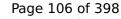
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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
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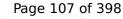


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

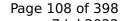
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



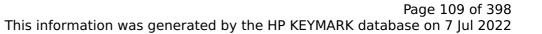


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





	<u> </u>	<u> </u>
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
$COPTj = +7^{\circ}C$	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
РСК	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

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	

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	

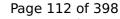
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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	



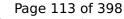


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

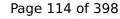
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

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 = $+7$ °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



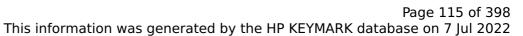


This information	was generated by	the HP	KEYMARK	database on '	7 Jul 2022

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)

EN 14825		
Low temperature	Medium temperature	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





This information was generated by the HP RETMARK database on 7 Jul 202			
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	
$COP Tj = +7^{\circ}C$	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	

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

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	

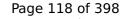
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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
	·	



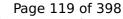


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

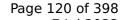
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





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 = $+7$ °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

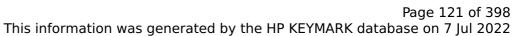




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





This information was generated by the HP KETMARK database on 7 Jul 2022			
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	
$COP Tj = +7^{\circ}C$	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	

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

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	

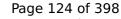
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



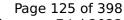


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	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)

Medium temperature
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 = $+7$ °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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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 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	This information was gene	Tacea by the file real	ANN database on 7 jul 202.
COP Tj = +2°C	COP Tj = -7°C	3.30	2.29
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	Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +7°C	COP Tj = +2°C	4.48	3.27
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	Pdh Tj = $+7^{\circ}$ C	1.82 kW	1.62 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	$COP Tj = +7^{\circ}C$	5.44	3.69
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	Pdh Tj = 12°C	1.54 kW	1.51 kW
COP Tj = Tbiv 3.30 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	7.21	5.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	4.61 kW	4.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	3.30	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.07 kW	3.92 kW
WTOL 60 °C 60 °C 13 W 13 W 13 W PTO 13 W 13 W 13 W PSB 13 W 13 W 13 W PCK 13 W 13 W Electricity Electricity Supplementary Heater: Type of energy input Electricity Electricity 1.14 kW 0.72 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.99	2.13
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	Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
PTO 13 W 13 W PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.14 kW 0.72 kW	WTOL	60 °C	60 °C
PSB 13 W 13 W PCK 13 W 13 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.14 kW 0.72 kW	Poff	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	РТО	13 W	13 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 1.14 kW 0.72 kW	PSB	13 W	13 W
Supplementary Heater: PSUP 1.14 kW 0.72 kW	PCK	13 W	13 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 2366 kWh 2949 kWh	Supplementary Heater: PSUP	1.14 kW	0.72 kW
	Annual energy consumption Qhe	2366 kWh	2949 kWh

Domestic Hot Water (DHW)

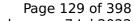


Warmer Climate

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





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

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	

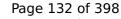
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

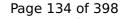
EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	15 dB(A)	15 dB(A)		
Sound power level outdoor	57 dB(A)	57 dB(A)		

EN 14825			
ım temperature			
W			





erated by the HP KEYN	MARK database on 7 Jul 202
149 %	116 %
7.74 kW	7.37 kW
3.80	2.98
-7 °C	-7 °C
-20 °C	-20 °C
4.69 kW	4.46 kW
3.60	2.74
2.90 kW	2.89 kW
5.05	3.77
1.83 kW	1.75 kW
6.67	5.33
1.62 kW	1.61 kW
7.80	6.21
4.69 kW	4.46 kW
3.60	2.74
2.92 kW	2.46 kW
2.35	1.52
0.90	0.90
60 °C	60 °C
13 W	13 W
13 W	13 W
	149 % 7.74 kW 3.80 -7 °C -20 °C 4.69 kW 3.60 2.90 kW 5.05 1.83 kW 6.67 1.62 kW 7.80 4.69 kW 3.60 2.92 kW 2.35 0.90 60 °C 13 W





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

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)		

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





Time intermidation mas gene	,	
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
	t .	

Domestic Hot Water (DHW)



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	





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	

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	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

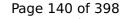
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

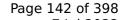
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





This information was generated by the HP KEYMARK database on 7 Jul 20.			
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	
РТО	13 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)	

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

Domestic Hot Water (DHW)

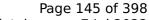


Warmer Climate

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	
IMIXEU Water at 40 C	2401	





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	

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	

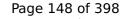
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



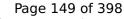


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

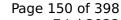
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	7.74 kW	7.37 kW	





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW



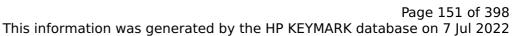


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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

Domestic Hot Water (DHW)



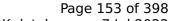
Warmer Climate

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	

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	

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	

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

Colder Climate

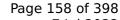
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





This information was ger	nerated by the HP	KEYMARK database on 7 Jul 202
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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W



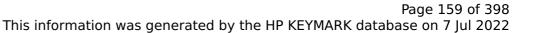


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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
	•	

Domestic Hot Water (DHW)



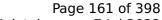
Warmer Climate

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	M
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

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

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

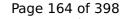
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



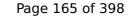


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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



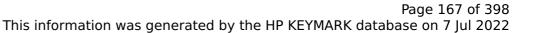


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)



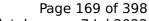
Warmer Climate

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	

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	

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	

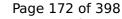
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



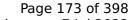


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

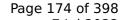
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

mperature Medium temperatu
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 = $+7$ °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



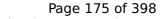


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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

Domestic Hot Water (DHW)



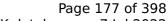
Warmer Climate

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

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



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

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

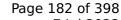
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

nperature Medium temperature
7.37 kW





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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 = $+7$ °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
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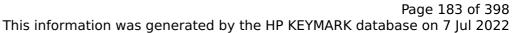




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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)

EN 14825		
Low temperature	Medium temperature	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





	<u> </u>	<u>, </u>
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
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

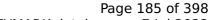


Warmer Climate

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	
Declared load profile	AL .	
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	





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	



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

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



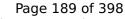


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

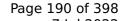
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Medium temperature
7.37 kW
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-	•	
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



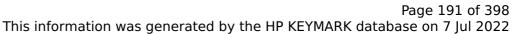


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

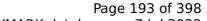


Warmer Climate

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	





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	

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		

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



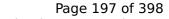


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

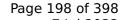
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Medium temperature
7.37 kW
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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

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





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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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)



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	





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	

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	

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



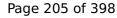


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

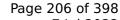
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

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
$COP Tj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
COP Tj = +2°C	5.05	3.77
Pdh Tj = $+7$ °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



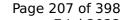


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





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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
$COPTj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

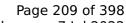


Warmer Climate

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





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

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
Operacing range outdoor exchanger/indoor exchanger lower inflictiower infliction	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

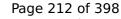
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



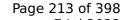


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

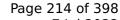
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
ım temperature		
W		





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 = $+7$ °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

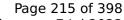




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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
$COP Tj = +7^{\circ}C$	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
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Domestic Hot Water (DHW)

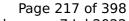


Warmer Climate

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	





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	



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	

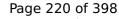
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



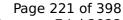


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

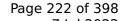
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW
	1	





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
$COPTj = +7^{\circ}C$	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
PTO	13 W	13 W

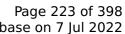




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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





This information was ger	nerated by the HP KEY	MARK database on 7 Jul 202
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
$COPTj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

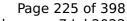


Warmer Climate

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	





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	



Model: NIMBUS FLEX 40 M NET

Configure model		
Model name	NIMBUS FLEX 40 M NET	
pplication Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone	e Colder Climate + Warmer Climate	
Reversibility No		
Cooling mode application (optional)	n (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	

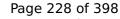
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



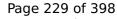


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

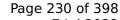
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW

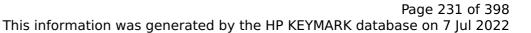




PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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)

EN 14825		
Low temperature	Medium temperature	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





rins information was gene		
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
$COPTj = +7^{\circ}C$	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
РСК	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
t-	·	

Domestic Hot Water (DHW)

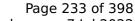


Warmer Climate

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





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

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	

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	

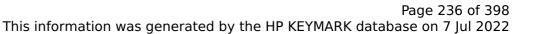
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Domestic Hot Water (DHW)



250 I



Mixed water at 40°C

EN 16147 Declared load profile Efficiency ηDHW 131 % COP 3.10 01:34 h:min Heating up time Standby power input 38.0 W 53.0 °C Reference hot water temperature

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 14511-4		
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	

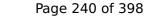
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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)

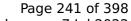
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW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

Domestic Hot Water (DHW)





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	

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)

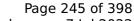
EN 14825		
	Medium temperature	
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW
COP Tj = +7°C	5.44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

Domestic Hot Water (DHW)





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

Model: ARIANEXT FLEX 40 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

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)

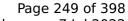
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.21 kW	4.64 kW
η_{s}	191 %	135 %
Prated	5.21 kW	4.64 kW
SCOP	4.55	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.61 kW	4.10 kW
COP Tj = -7°C	3.30	2.29
Pdh Tj = +2°C	2.80 kW	2.50 kW
COP Tj = +2°C	4.48	3.27
Pdh Tj = +7°C	1.82 kW	1.62 kW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

Domestic Hot Water (DHW)





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

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

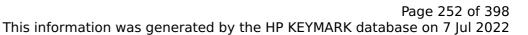
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Domestic Hot Water (DHW)





EN 16147 Declared load profile Efficiency ηDHW 131 % COP 3.10 01:34 h:min Heating up time Standby power input 38.0 W 53.0 °C Reference hot water temperature 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 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure		
Defrost test	passed	

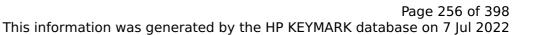
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

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: 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

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

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

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 temperat				
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





kW C kW	7.37 kW 2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW 3.77
c °C kW	2.98 -7 °C -20 °C 4.46 kW 2.74 2.89 kW
c c kW kW	-7 °C -20 °C 4.46 kW 2.74 2.89 kW
kW kW	-20 °C 4.46 kW 2.74 2.89 kW
kW	4.46 kW 2.74 2.89 kW
kW	2.74 2.89 kW 3.77
kW	2.89 kW 3.77
	3.77
kW	
	1.75 kW
	5.33
kW	1.61 kW
	6.21
kW	4.46 kW
	2.74
kW	2.46 kW
	1.52
	0.90
С	60 °C
	13 W
V	
	kW kW





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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





		2 20
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
$COP Tj = +7^{\circ}C$	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
РСК	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

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	

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

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

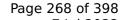
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





This information was gen	erated by the Hi KETI	TARK database on 7 Jul 2022
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
$COPTj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COPTj = +2^{\circ}C$	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
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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





		raye 209 01 390	
This information was gene	This information was generated by the HP KEYMARK database on 7 Jul 2022		
COP Tj = -7°C	3.30	2.29	
Pdh Tj = +2°C	2.80 kW	2.50 kW	

$COP Tj = -7^{\circ}C$	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
$COP Tj = +7^{\circ}C$	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

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 14511-4		
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	

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



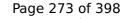


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

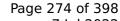
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	43 dB(A)	43 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
n temperature	Low temperature	
I	7.74 kW	Pdesignh
_		_





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
$COPTj = +2^{\circ}C$	5.05	3.77
Pdh Tj = $+7^{\circ}$ 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	15 W	15 W
РТО	15 W	15 W



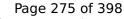


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





ring intermediation was gene	,	
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
$COP Tj = +7^{\circ}C$	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
РСК	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
·	·	



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		

Heating

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

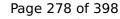
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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 tempera			
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	



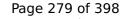


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

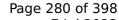
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





This information was ger	ierated by the HP KETK	HARK database on 7 Jul 2022
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
$COPTj = -7^{\circ}C$	3.60	2.74
Pdh Tj = +2°C	2.90 kW	2.89 kW
$COPTj = +2^{\circ}C$	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



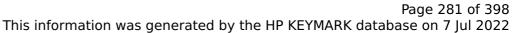


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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

Domestic Hot Water (DHW)



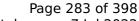
Warmer Climate

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	
Declared load profile	AL .	
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	

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	

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 14511-4		
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

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



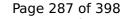


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

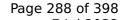
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	43 dB(A)	43 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





9	•	
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 = $+2^{\circ}$ 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



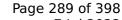


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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

Domestic Hot Water (DHW)



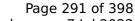
Warmer Climate

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

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	



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		

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

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
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	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)	

mperature Medium temperatu
7.37 kW





This information was gen	erated by the Hi KETI	TARK database on 7 Jul 2022
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
$COPTj = -7^{\circ}C$	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°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

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 %	6	135 %
Prated	5.21	kW	4.64 kW
SCOP	4.55		3.25
Tbiv	-7 °C		-7 °C
TOL	-10 °C	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
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)



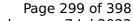
Warmer Climate

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	

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	



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 14511-4		
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	

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



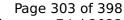


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy 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
$COP Tj = -7^{\circ}C$	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	15 W	15 W
РТО	15 W	15 W



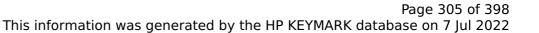


PSB	15 W	15 W
PCK	15 W	15 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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 %	6	135 %
Prated	5.21	kW	4.64 kW
SCOP	4.55		3.25
Tbiv	-7 °C		-7 °C
TOL	-10 °C	C	-10 °C
Pdh Tj = -7°C	4.61	kW	4.10 kW





$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
COP Tj = +2°C
Pdh Tj = $+7^{\circ}$ C 1.82 kW 1.62 kW COP Tj = $+7^{\circ}$ 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
COP Tj = $+7^{\circ}$ 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
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
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
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
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
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
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
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 2366 kWh 2949 kWh

Domestic Hot Water (DHW)



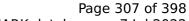
Warmer Climate

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	

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	

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 14511-4		
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	

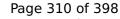
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

Colder Climate

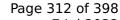
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
ım temperature		
W		





This information was ger	nerated by the HP KEY	MARK database on 7 Jul 202
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°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
1		





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

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



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

	•	
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
$COP Tj = +7^{\circ}C$	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



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		

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	

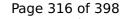
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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

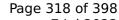
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

Medium temperature
7.37 kW
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This information was generated by the HP KEYMARK database on 7		
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	Gas	Gas
Supplementary Heater: PSUP	4.42 kW	4.52 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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

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 14511-4		
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	

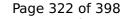
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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
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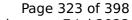


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	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)

Medium temperature
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
$COP Tj = +2^{\circ}C$	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
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

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 Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C 4.48	30 kW	2.29 2.50 kW
,		2.50 kW
$COP Tj = +2^{\circ}C $ 4.48	48	
		3.27
$Pdh Tj = +7^{\circ}C$	32 kW	1.62 kW
$COP Tj = +7^{\circ}C$ 5.44	14	3.69
Pdh Tj = 12°C 1.54	54 kW	1.51 kW
COP Tj = 12°C 7.21	21	5.29
Pdh Tj = Tbiv 4.61	51 kW	4.10 kW
COP Tj = Tbiv	30	2.13
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh 4.07	07 kW	3.92 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.99	99	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh 0.90	90	0.90
WTOL 60 °	°C	60 °C
Poff 13 V	W	13 W
PTO 13 V	W	13 W
PSB 13 V	W	13 W
PCK 13 V	W	13 W
Supplementary Heater: Type of energy input Gas	ns	Gas
Supplementary Heater: PSUP 1.14	14 kW	0.72 kW
Annual energy consumption Qhe 236	66 kWh	2949 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

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	

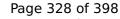
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



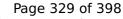


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

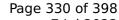
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

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
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	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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



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	rated by the Hi KETH	in the database on 7 Jul 2022
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
$COP Tj = +7^{\circ}C$	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



Model: NIMBUS M HYBRID FLEX 4 NET

Со	onfigure 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 14511-4	
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

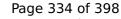
	EN 14511-2	
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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)

mperature Medium temperatu
7.37 kW





This information was generated by the HP KEYMARK database on		
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	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	





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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)



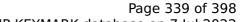
Warmer Climate

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
Mixed water at 40 C	2401

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	

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 14511-4		
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	

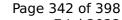
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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
$COPTj = +2^{\circ}C$	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



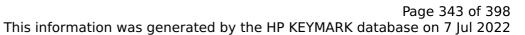


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	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





This information was ger	ierated by the HP KETI	MARK database on 7 Jul 202
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
110		۸۸ ۲۳





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

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

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
5.21 kW	4.64 kW
191 %	135 %
5.21 kW	4.64 kW
4.55	3.25
-7 °C	-7 °C
-10 °C	-10 °C
4.61 kW	4.10 kW
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C



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

	· · · · · · · · · · · · · · · · · · ·	
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
$COP Tj = +7^{\circ}C$	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
	•	

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

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	

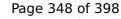
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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

Colder Climate

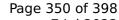
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

mperature Medium temperatu
7.37 kW





	<u> </u>	
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
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

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 %	6	135 %
Prated	5.21	kW	4.64 kW
SCOP	4.55		3.25
Tbiv	-7 °C		-7 °C
TOL	-10 °C	C	-10 °C
Pdh Tj = -7°C	4.61	kW	4.10 kW



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	· · · · · · · · · · · · · · · · · · ·	ANN database on 7 jul 202.
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
$COP Tj = +7^{\circ}C$	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

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

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

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)

Medium temperature
7.37 kW





This information was generated by the HP KEYMARK database on 7 Jul 20				
149 %	116 %			
7.74 kW	7.37 kW			
3.80	2.98			
-7 °C	-7 °C			
-20 °C	-20 °C			
4.69 kW	4.46 kW			
3.60	2.74			
2.90 kW	2.89 kW			
5.05	3.77			
1.83 kW	1.75 kW			
6.67	5.33			
1.62 kW	1.61 kW			
7.80	6.21			
4.69 kW	4.46 kW			
3.60	2.74			
2.92 kW	2.46 kW			
2.35	1.52			
0.90	0.90			
60 °C	60 °C			
13 W	13 W			
13 W	13 W			
	7.74 kW 3.80 -7 °C -20 °C 4.69 kW 3.60 2.90 kW 5.05 1.83 kW 6.67 1.62 kW 7.80 4.69 kW 3.60 2.92 kW 2.35 0.90 60 °C 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

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



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

	•	
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
$COP Tj = +7^{\circ}C$	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

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

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

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



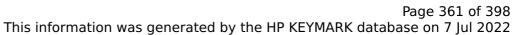


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

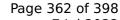
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	7.74 kW	7.37 kW





This information was generated by the HP KEYMARK database on 7 Jul 20			
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	
110		۸۸ ۲۳	



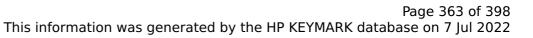


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)



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	

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	

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

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

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

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 = $+7^{\circ}$ 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	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

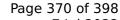
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Medium temperature
7.37 kW





		TARK database on 7 Jul 202.
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
$COPTj = +7^{\circ}C$	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

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



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



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

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	

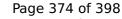
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.96 kW
El input	0.69 kW	1.05 kW
СОР	5.11	2.82

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



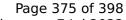


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

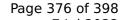
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	15 dB(A)	15 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

Medium temperature
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
$COP Tj = +2^{\circ}C$	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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	



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

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

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	

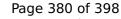
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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 = $+7^{\circ}$ 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	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	658 kWh	877 kWh

Colder Climate

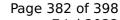
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	15 dB(A)	15 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825			
Low temperature Medium temperature			
Pdesignh	7.74 kW	7.37 kW	
	1		





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
$COPTj = +7^{\circ}C$	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

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	
5.21 kW	4.64 kW	
191 %	135 %	
5.21 kW	4.64 kW	
4.55	3.25	
-7 °C	-7 °C	
-10 °C	-10 °C	
4.61 kW	4.10 kW	
	Low temperature 5.21 kW 191 % 5.21 kW 4.55 -7 °C -10 °C	



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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 = $+7^{\circ}$ C	1.82 kW	1.62 kW
$COP Tj = +7^{\circ}C$	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
	•	



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

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

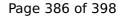
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.96 kW	
El input	0.69 kW	1.05 kW	
СОР	5.11	2.82	

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



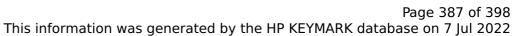


Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.80 kW	2.32 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.92	2.18
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy 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)	

Medium temperature
7.37 kW





This information was generated by the HP KEYMARK database on 7 Jul 20			
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	
$COPTj = +2^{\circ}C$	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	



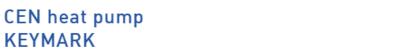


PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	4.00 kW	4.00 kW
Annual energy consumption Qhe	5022 kWh	6088 kWh

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



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



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 14511-4		
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	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

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	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

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	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	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