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Login

Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 120/150 M - COMPACT	Reg. No.	ICIM-PDC- 000106
Certificate Holder	Certificate Holder		
Name	Ariston Thermo Group		
Address	Viale Aristide Merloni 45	Zip	I-60044
City	Fabriano (AN)	Country	Italy
Certification Body	y ICIM S.p.A.		
Subtype title	NIMBUS/ARIANEXT/AEROTOP/ENERGION 120/150 M - COMPACT		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.1 kg		
Certification Date	05.07.2022		
Testing basis	Heat Pump KEYMARK rev9		

Model: NIMBUS COMPACT 120 M NET R32

Configure model		
Model name	NIMBUS COMPACT 120 M NET R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

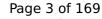
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	7.67 kW
El input	2.45 kW	2.39 kW
СОР	4.90	3.21

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





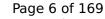
This information was generated by the file	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: NIMBUS COMPACT 120 M-T NET R32

Configure model		
Model name NIMBUS COMPACT 120 M-T NET R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

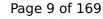
General Data			
Power supply 3x400V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	12.00 kW	7.67 kW
El input	2.45 kW	2.39 kW
СОР	4.90	3.21

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

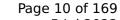
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





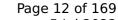
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

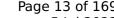
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

Model: NIMBUS COMPACT 150 M NET R32

Configure model		
Model name	NIMBUS COMPACT 150 M NET R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

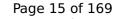
General Data			
Power supply 1x230V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

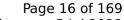
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





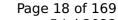
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

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EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

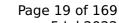
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: NIMBUS COMPACT 150 M-T NET R32

Configure model		
Model name NIMBUS COMPACT 150 M-T NET R32		
Application Heating + DHW + low temp		
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

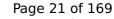
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

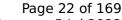
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C **Pdesignc** 11 kW **SEER** 5.22 $Pdc Tj = 35^{\circ}C$ 11 kW 2.93 EER Tj = 35°C $Pdc Tj = 30^{\circ}C$ 8.18 kW EER Tj = 30°C 4.4 Cdc Tj = 30 °C0.99 $Pdc Tj = 25^{\circ}C$ 5.23 kW 5.77 EER Tj = 25°C Cdc Tj = 25 °C0.99 $Pdc Tj = 20^{\circ}C$ 4.5 kW 7.53 EER Tj = 20°C Cdc Tj = 20 °C0.98 Poff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

Average Climate

Annual energy consumption Qce

1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

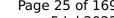
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





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EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: NIMBUS COMPACT 120 M 2Z NET R32

Configure model	
Model name NIMBUS COMPACT 120 M 2Z NET R32	
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data		
Power supply	1x230V 50Hz	

Heating

COP

4.90

EN 14511-2		
	Low temperature	Medium temperature
Heat output	12.00 kW	7.67 kW
El input	2.45 kW	2.39 kW

3.21

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

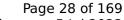
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





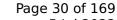
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

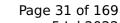
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



Model: NIMBUS COMPACT 120 M-T 2Z NET R32

Configure model		
Model name	NIMBUS COMPACT 120 M-T 2Z NET R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

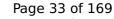
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

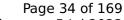
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





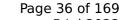
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	10.84 kW	9.42 kW	
η_{s}	204 %	143 %	
Prated	10.84 kW	9.42 kW	
SCOP	5.16	3.65	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	9.59 kW	8.33 kW	
COP Tj = -7°C	3.42	2.43	
Cdh Tj = -7 °C	0.995	0.996	
Pdh Tj = $+2$ °C	5.74 kW	5.47 kW	
COP Tj = +2°C	5.10	3.33	
Cdh Tj = +2 °C	0.988	0.992	
Pdh Tj = +7°C	4.16 kW	3.98 kW	
COP Tj = +7°C	6.88	5.04	

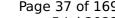
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guidant and g		
Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 37 of 169 This information was generated by the HP KEYMARK database on 5 Jul 2022

EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: NIMBUS COMPACT 150 M 2Z NET R32

Configure model		
Model name NIMBUS COMPACT 150 M 2Z NET R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

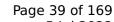
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	naccod
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

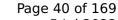
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

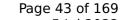
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: NIMBUS COMPACT 150 M-T 2Z NET R32

Configure model		
Model name NIMBUS COMPACT 150 M-T 2Z NET R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

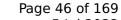
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





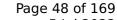
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = $+2$ °C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = $+7^{\circ}$ C	4.39 kW	3.96 kW
$COPTj = +7^{\circ}C$	6.76	5.04

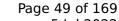
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- This information was gen	crated by the fit itzi	Trick database on 5 jai 202
Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: ARIANEXT COMPACT 120 M 2Z LINK R32

Configure model		
Model name ARIANEXT COMPACT 120 M 2Z LINK R32		
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

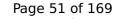
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

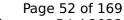
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





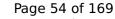
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

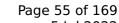
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ARIANEXT COMPACT 120 M LINK R32

Configure model		
Model name ARIANEXT COMPACT 120 M LINK R32		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

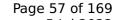
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

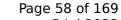
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

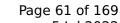
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ARIANEXT COMPACT 120 M-T 2Z LINK R32

Configure model		
Model name ARIANEXT COMPACT 120 M-T 2Z LINK R32		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

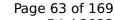
General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

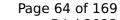
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

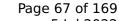
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



Model: ARIANEXT COMPACT 120 M-T LINK R32

Configure model		
Model name ARIANEXT COMPACT 120 M-T LINK R32		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

Heating

COP

4.90

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	

3.21

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

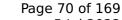
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





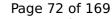
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

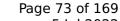
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: ARIANEXT COMPACT 150 M 2Z LINK R32

Configure model		
Model name ARIANEXT COMPACT 150 M 2Z LINK R32		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

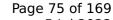
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	15.00 kW	9.50 kW	
El input	3.19 kW	3.02 kW	
СОР	4.70	3.15	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

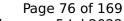
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





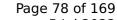
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
РСК	0 W
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

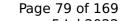
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ARIANEXT COMPACT 150 M LINK R32

Configure model		
Model name	ARIANEXT COMPACT 150 M LINK R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

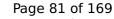
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	15.00 kW	9.50 kW	
El input	3.19 kW	3.02 kW	
СОР	4.70	3.15	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

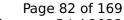
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





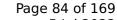
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1951 kWh



EN 12102-1		
Low temperature Medium temperature		
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

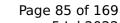
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ARIANEXT COMPACT 150 M-T 2Z LINK R32

Configure model		
Model name	ARIANEXT COMPACT 150 M-T 2Z LINK R32	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

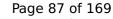
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	15.00 kW	9.50 kW	
El input	3.19 kW	3.02 kW	
СОР	4.70	3.15	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

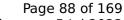
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





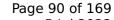
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

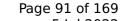
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Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I



Model: ARIANEXT COMPACT 150 M-T LINK R32

Configure model		
Model name ARIANEXT COMPACT 150 M-T LINK R32		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

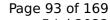
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	15.00 kW	9.50 kW	
El input	3.19 kW	3.02 kW	
СОР	4.70	3.15	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

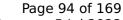
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





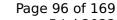
	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04

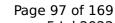
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- This information was gen	- cratea by the rin rezri	Thirt database on 5 jul 202
Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: AEROTOP MONO 12.2 M-CRX 2Z

Configure model		
Model name	AEROTOP MONO 12.2 M-CRX 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

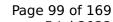
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825

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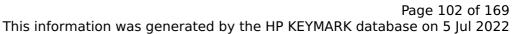
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

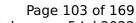
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	· · · · · · · · · · · · · · · · · · ·	
Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

Model: AEROTOP MONO 12.2 M-CRX 1Z

Configure model		
Model name	AEROTOP MONO 12.2 M-CRX 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

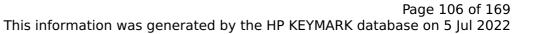
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825





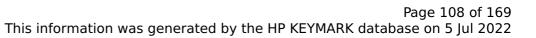
	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04

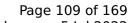
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Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: AEROTOP MONO 12.2 M-CR 2Z

Configure model		
Model name AEROTOP MONO 12.2 M-CR 2Z		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

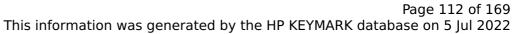
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825



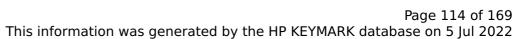


	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

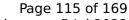
EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04





Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: AEROTOP MONO 12.2 M-CR 1Z

Configure model		
Model name AEROTOP MONO 12.2 M-CR 1Z		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

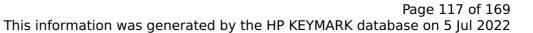
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	12.00 kW	7.67 kW
El input	2.45 kW	2.39 kW
СОР	4.90	3.21

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

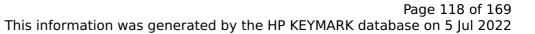
Cooling





EN 14511-2			
	+7°C/+12°C	+18°C/+23°C	
El input	2.87 kW		
Cooling capacity	9.05		
EER	3.15	2.93	

EN 14825



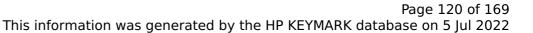


	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

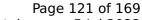
EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04





Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



Model: AEROTOP MONO 15.2 M-CRX 2Z

Configure model		
Model name	AEROTOP MONO 15.2 M-CRX 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

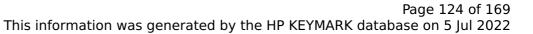
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

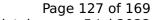
EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04





0.979	0.983
4.71 kW	4.69 kW
8.55	6.97
0.975	0.980
11.04 kW	10.25 kW
3.29	2.50
11.18 kW	10.52 kW
3.00	2.06
60 °C	60 °C
14 W	14 W
Electricity	Electricity
1.30 kW	1.07 kW
6.00 kW	6.00 kW
5035 kWh	6217 kWh
	4.71 kW 8.55 0.975 11.04 kW 3.29 11.18 kW 3.00 60 °C 14 W 14 W 14 W 14 W Electricity 1.30 kW 6.00 kW

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



Model: AEROTOP MONO 15.2 M-CRX 1Z

Configure model		
Model name	AEROTOP MONO 15.2 M-CRX 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	15.00 kW	9.50 kW	
El input	3.19 kW	3.02 kW	
СОР	4.70	3.15	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

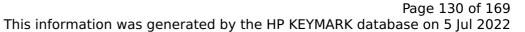
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

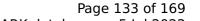
EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04





Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)



233 I



Mixed water at 40°C

This information was generated by the HP KEYMARK database on 5 Jul 2022 EN 16147 Declared load profile Efficiency ηDHW 131 % COP 3.10 00:55 h:min Heating up time Standby power input 38.0 W 52.5 °C Reference hot water temperature

Model: AEROTOP MONO 15.2 M-CR 2Z

Configure model		
Model name AEROTOP MONO 15.2 M-CR 2Z		
Application	Heating + DHW + low temp	
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C		

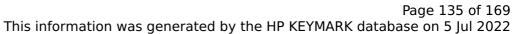
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

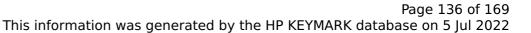
Cooling





EN 14511-2			
	+7°C/+12°C	+18°C/+23°C	
El input	3.75 kW		
Cooling capacity	11		
EER	2.93	4.70	

EN 14825



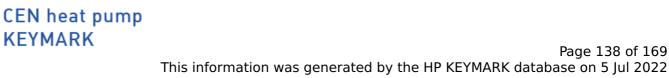


	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



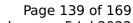
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04
	'	



Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	



Model: AEROTOP MONO 15.2 M-CR 1Z

Configure model		
Model name	AEROTOP MONO 15.2 M-CR 1Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

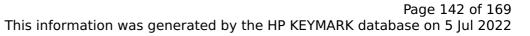
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825





	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	12.48 kW	11.59 kW	
η_{s}	202 %	151 %	
Prated	12.48 kW	11.59 kW	
SCOP	5.12	3.85	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	11.04 kW	10.25 kW	
COP Tj = -7°C	3.29	2.50	
Cdh Tj = -7 °C	0.996	0.997	
Pdh Tj = +2°C	6.98 kW	6.50 kW	
COP Tj = +2°C	4.92	3.67	
Cdh Tj = +2 °C	0.990	0.992	
Pdh Tj = +7°C	4.39 kW	3.96 kW	
COP Tj = +7°C	6.76	5.04	
	ı		

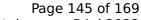


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This information was generated by the HP KEYMARK database on 5 Jul 2022

Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ENERGION M COMPACT 120 T 2Z

Configure model		
Model name	ENERGION M COMPACT 120 T 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

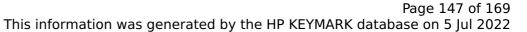
General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	12.00 kW	7.67 kW
El input	2.45 kW	2.39 kW
СОР	4.90	3.21

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity 9.05		
EER	3.15	2.93

EN 14825



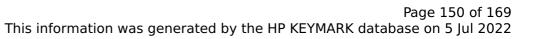


	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04





Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	00:55 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233 I

Model: ENERGION M COMPACT 120 T

Configure model		
Model name	ENERGION M COMPACT 120 T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

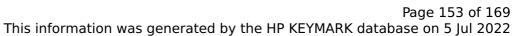
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	12.00 kW	7.67 kW	
El input	2.45 kW	2.39 kW	
СОР	4.90	3.21	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

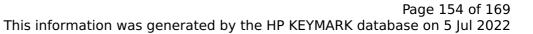
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
EER	3.15	2.93

EN 14825



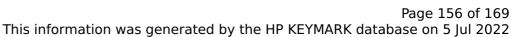


	+7°C/+12°C
Pdesignc	9.05 kW
SEER	5.40
Pdc Tj = 35°C	9.05 kW
EER Tj = 35°C	3.15
Pdc Tj = 30°C	6.86 kW
EER Tj = 30°C	4.72
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	4.31 kW
EER Tj = 25°C	6.14
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	4.45 kW
EER Tj = 20°C	7.5
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1541 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	10.84 kW	9.42 kW
η_{s}	204 %	143 %
Prated	10.84 kW	9.42 kW
SCOP	5.16	3.65
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	9.59 kW	8.33 kW
COP Tj = -7°C	3.42	2.43
Cdh Tj = -7 °C	0.995	0.996
Pdh Tj = +2°C	5.74 kW	5.47 kW
COP Tj = +2°C	5.10	3.33
Cdh Tj = +2 °C	0.988	0.992
Pdh Tj = +7°C	4.16 kW	3.98 kW
COP Tj = +7°C	6.88	5.04





Cdh Tj = +7 °C	0.978	0.983
Pdh Tj = 12°C	4.71 kW	4.75 kW
COP Tj = 12°C	8.66	6.86
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	9.59 kW	8.33 kW
COP Tj = Tbiv	3.42	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.11 kW	8.68 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.09	2.11
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.995	0.996
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.73 kW	0.74 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	4338 kWh	5335 kWh

Domestic Hot Water (DHW)





EN 16147 Declared load profile Efficiency ηDHW 131 % COP 3.10 00:55 h:min Heating up time Standby power input 38.0 W 52.5 °C Reference hot water temperature Mixed water at 40°C 233 I

Model: ENERGION M COMPACT 150 T 2Z

Configure model		
Model name	ENERGION M COMPACT 150 T 2Z	
pplication Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

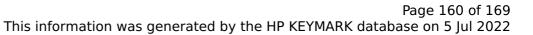
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	3.75 kW	
Cooling capacity	11	
EER	2.93	4.70

EN 14825



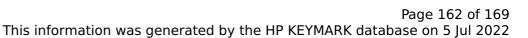


	+7°C/+12°C
Pdesignc	11 kW
SEER	5.22
Pdc Tj = 35°C	11 kW
EER Tj = 35°C	2.93
Pdc Tj = 30°C	8.18 kW
EER Tj = 30°C	4.4
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	5.23 kW
EER Tj = 25°C	5.77
Cdc Tj = 25 °C	0.99
Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
Cdc Tj = 20 °C	0.98
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

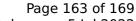
EN 14825		
	Low temperature	Medium temperature
Pdesignh	12.48 kW	11.59 kW
η_{s}	202 %	151 %
Prated	12.48 kW	11.59 kW
SCOP	5.12	3.85
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	11.04 kW	10.25 kW
COP Tj = -7°C	3.29	2.50
Cdh Tj = -7 °C	0.996	0.997
Pdh Tj = +2°C	6.98 kW	6.50 kW
COP Tj = +2°C	4.92	3.67
Cdh Tj = +2 °C	0.990	0.992
Pdh Tj = +7°C	4.39 kW	3.96 kW
COP Tj = +7°C	6.76	5.04





Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
РТО	14 W	14 W
PSB	14 W	14 W
PCK	14 W	14 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.30 kW	1.07 kW
Backup Heater	6.00 kW	6.00 kW
Annual energy consumption Qhe	5035 kWh	6217 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	00:55 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	

Model: ENERGION M COMPACT 150 T

Configure model		
Model name	ENERGION M COMPACT 150 T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	+7°C/12°C	

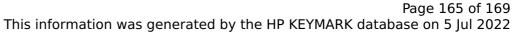
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
СОР	4.70	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Cooling

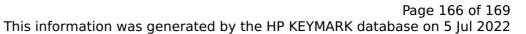




EN 14511-2

LN 14311-2		
+7°C/+12°C	+18°C/+23°C	
3.75 kW		
11		
2.93	4.70	
	3.75 kW	3.75 kW 11

EN 14825





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Pdc Tj = 20°C	4.5 kW
EER Tj = 20°C	7.53
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PCK	o w
Annual energy consumption Qce	1951 kWh



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Pdh Tj = +7°C	4.39 kW	3.96 kW		
COP Tj = +7°C	6.76	5.04		

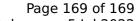


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This information was generated by the HP KEYMARK database on 5 Jul 2022

	,	
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