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Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 80 M - COMPACT Reg. No. ICIM-PDC-00011		ICIM-PDC-000115
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/ARIANEXT/AEROTOP/ENERGION 80 M - COMPACT		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.4 kg		
Certification Date	05.07.2022		
Testing basis	Heat Pump KEYMARK rev9		



Model: NIMBUS COMPACT 80 M NET R32

Configure model		
Model name NIMBUS COMPACT 80 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	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

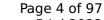
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





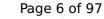
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = $+2$ °C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

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Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)



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EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 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 80 M 2Z NET R32

Configure model		
Model name	NIMBUS COMPACT 80 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			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

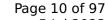
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





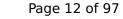
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = $+2$ °C	4.54 kW	4.22 kW
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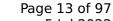
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guidant and g	<u> </u>	
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Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 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 80 M-T NET R32

Configure model		
Model name	NIMBUS COMPACT 80 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	

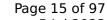
General Data			
Power supply 3x400V 50Hz			

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

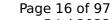
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





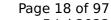
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

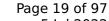
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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 80 M-T 2Z NET R32

Configure model		
Model name NIMBUS COMPACT 80 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	

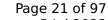
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

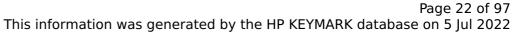
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





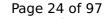
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	+7°C/+12°C	
Pdesignc	7 kW	
SEER	4.64	
Pdc Tj = 35°C	7 kW	
EER Tj = 35°C	3.1	
Pdc Tj = 30°C	5.17 kW	
EER Tj = 30°C	4.13	
Cdc Tj = 30 °C	0.99	
Pdc Tj = 25°C	3.32 kW	
EER Tj = 25°C	4.89	
Cdc Tj = 25 °C	0.98	
Pdc Tj = 20°C	3.19 kW	
EER Tj = 20°C	6.85	
Cdc Tj = 20 °C	0.97	
Poff	14 W	
РТО	14 W	
PSB	14 W	
PCK	0 W	
Annual energy consumption Qce	1381 kWh	



EW 15105-T			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	
Sound power level outdoor	57 dB(A)	57 dB(A)	

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

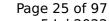
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Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 80 M 2Z LINK R32

Configure model		
Model name ARIANEXT COMPACT 80 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	

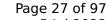
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

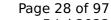
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

EN 14825





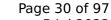
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Pdesignc	7 kW
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Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
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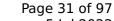
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guidant and g	<u> </u>	
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Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 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 80 M LINK R32

Configure model		
Model name	ARIANEXT COMPACT 80 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	

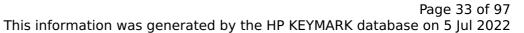
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

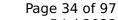




EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825

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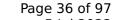
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

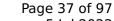
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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 80 M-T 2Z LINK R32

Configure model		
Model name ARIANEXT COMPACT 80 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		

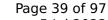
General Data		
Power supply		

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

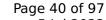
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity 7 7.00			
EER	3.10	4.70	

EN 14825





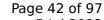
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

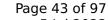
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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233



Model: ARIANEXT COMPACT 80 M-T LINK R32

Configure model		
Model name ARIANEXT COMPACT 80 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		Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

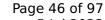
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

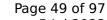
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guidant and g		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233



Model: AEROTOP MONO 08.2 M-CRX 2Z

Configure model		
Model name	AEROTOP MONO 08.2 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	

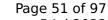
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

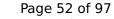
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



Sound power level indoor

Sound power level outdoor

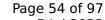
EN 12102-1 Low temperature Medium temperature 42 dB(A) 42 dB(A)

57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

57 dB(A)

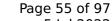
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guidant and g		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 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 08.2 M-CRX 1Z

Configure model		
Model name	AEROTOP MONO 08.2 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	

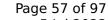
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

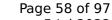
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
РСК	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

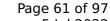
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guidant and g	<u> </u>	
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 08.2 M-CR 2Z

Configure model	
Model name	AEROTOP MONO 08.2 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

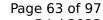
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

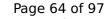
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





This information was generated by the fit	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
РСК	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

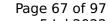
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	<u> </u>	<u> </u>
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147			
Declared load profile	L		
Efficiency ηDHW	131 %		
СОР	3.10		
Heating up time	01:03 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 08.2 M-CR 1Z

Configure model		
Model name	AEROTOP MONO 08.2 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	

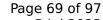
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

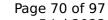
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





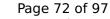
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

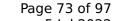
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Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 80 2Z

Configure model		
Model name	ENERGION M COMPACT 80 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

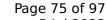
General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

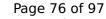
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





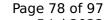
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

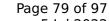
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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 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 80

Configure model		
Model name	ENERGION M COMPACT 80	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

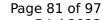
General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

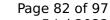
Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.26 kW	1.49 kW
Cooling capacity	7	7.00
EER	3.10	4.70

EN 14825





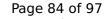
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
$COP Tj = +2^{\circ}C$	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

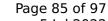
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guidant and g		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 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 80 T 2Z

Configure model		
Model name	ENERGION M COMPACT 80 T 2Z	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

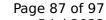
General Data			
Power supply 3x400V 50Hz			

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	5.80 kW
El input	1.67 kW	1.97 kW
СОР	4.80	2.95

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

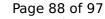
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

EN 14825





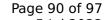
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	8.37 kW	7.62 kW
η_{s}	195 %	140 %
Prated	8.37 kW	7.62 kW
SCOP	4.95	3.57
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	7.40 kW	6.74 kW
COP Tj = -7°C	3.10	2.29
Cdh Tj = -7 °C	0.994	0.995
Pdh Tj = +2°C	4.54 kW	4.22 kW
COP Tj = +2°C	4.80	3.51
Cdh Tj = +2 °C	0.986	0.989
Pdh Tj = +7°C	2.94 kW	2.74 kW
COP Tj = +7°C	6.61	4.36

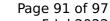
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This information has gene	Tated by the The TRETT	ATTIC database on 5 jul 202.
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:03 h:min
Standby power input	38.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	233

Model: ENERGION M COMPACT 80 T

Configure model		
Model name	ENERGION M COMPACT 80 T	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

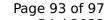
General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	8.00 kW	5.80 kW	
El input	1.67 kW	1.97 kW	
СОР	4.80	2.95	

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

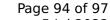
Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.26 kW	1.49 kW	
Cooling capacity	7	7.00	
EER	3.10	4.70	

EN 14825





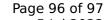
	+7°C/+12°C
Pdesignc	7 kW
SEER	4.64
Pdc Tj = 35°C	7 kW
EER Tj = 35°C	3.1
Pdc Tj = 30°C	5.17 kW
EER Tj = 30°C	4.13
Cdc Tj = 30 °C	0.99
Pdc Tj = 25°C	3.32 kW
EER Tj = 25°C	4.89
Cdc Tj = 25 °C	0.98
Pdc Tj = 20°C	3.19 kW
EER Tj = 20°C	6.85
Cdc Tj = 20 °C	0.97
Poff	14 W
PTO	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	1381 kWh



EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	35 dB(A)	35 dB(A)		
Sound power level outdoor	57 dB(A)	57 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	8.37 kW	7.62 kW	
η_{s}	195 %	140 %	
Prated	8.37 kW	7.62 kW	
SCOP	4.95	3.57	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	7.40 kW	6.74 kW	
COP Tj = -7°C	3.10	2.29	
Cdh Tj = -7 °C	0.994	0.995	
Pdh Tj = +2°C	4.54 kW	4.22 kW	
COP Tj = +2°C	4.80	3.51	
Cdh Tj = +2 °C	0.986	0.989	
Pdh Tj = +7°C	2.94 kW	2.74 kW	
COP Tj = +7°C	6.61	4.36	

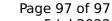
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gun		
Cdh Tj = +7 °C	0.969	0.978
Pdh Tj = 12°C	3.16 kW	3.28 kW
COP Tj = 12°C	8.15	6.50
Cdh Tj = +12 °C	0.965	0.973
Pdh Tj = Tbiv	7.40 kW	6.74 kW
COP Tj = Tbiv	3.10	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.51 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.22	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
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	2.86 kW	2.72 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	3490 kWh	4405 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:03 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	