

#### **Login**

Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 35/50 M - COMPACT	Reg. No.	ICIM-PDC- 000109
Certificate Holder	Certificate Holder		
Name	Ariston Thermo Group		
Address	Viale Aristide Merloni 45	Zip	I-60044
City	Fabriano (AN)	Country	Italy
Certification Body	Certification Body ICIM S.p.A.		
Subtype title	NIMBUS/ARIANEXT/AEROTOP/ENERGION 35/50 M - COMPACT		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	ant R32		
Mass of Refrigerant	5		
Certification Date	rtification Date 05.07.2022		
Testing basis Heat Pump KEYMARK rev9			

## **Model: NIMBUS COMPACT 35 M NET R32**

Configure model		
Model name	NIMBUS COMPACT 35 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	

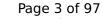
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
СОР	5.10	2.70

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

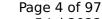
## Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.03 kW
Cooling capacity	3.5

EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C **Pdesignc** 3.5 kW **SEER** 4.87  $Pdc Tj = 35^{\circ}C$ 3.5 kW EER Tj = 35°C 3  $Pdc Tj = 30^{\circ}C$ 2.58 kW EER Tj = 30°C 4.33 Cdc Tj = 30 °C0.98  $Pdc Tj = 25^{\circ}C$ 1.72 kW 5.86 EER Tj = 25°C 0.95 Cdc Tj = 25 °C $Pdc Tj = 20^{\circ}C$ 1.79 kW 7.24 EER Tj = 20°C 0.94 Cdc Tj = 20 °CPoff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

#### **Average Climate**

Annual energy consumption Qce

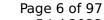
628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22

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Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)



# $$\operatorname{Page}\ 7$$ of 97 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	01:55 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 50 M NET R32**

Configure model		
Model name NIMBUS COMPACT 50 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	5.00 kW	3.80 kW	
El input	1.00 kW	1.36 kW	
СОР	5.00	2.80	

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

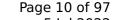
## Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C 5 kW **Pdesignc SEER** 4.85  $Pdc Tj = 35^{\circ}C$ 5 kW 2.85 EER Tj = 35°C  $Pdc Tj = 30^{\circ}C$ 3.77 kW 4.25 EER Tj = 30°C Cdc Tj = 30 °C0.98  $Pdc Tj = 25^{\circ}C$ 2.32 kW 5.38 EER Tj = 25°C 0.97 Cdc Tj = 25 °C $Pdc Tj = 20^{\circ}C$ 1.87 kW 7.85 EER Tj = 20°C Cdc Tj = 20 °C0.94 Poff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

## Average Climate

Annual energy consumption Qce

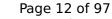
925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	5.65 kW	5.65 kW	
$\eta_{s}$	183 %	136 %	
Prated	5.65 kW	5.65 kW	
SCOP	4.66	3.48	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	5.00 kW	5.00 kW	
COP Tj = -7°C	3.10	2.28	
Cdh Tj = -7 °C	0.992	0.994	
Pdh Tj = +2°C	3.11 kW	3.11 kW	
COP Tj = +2°C	4.32	3.30	
Cdh Tj = +2 °C	0.981	0.986	
Pdh Tj = +7°C	1.96 kW	2.19 kW	
COP Tj = +7°C	6.48	4.58	

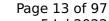
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Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 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 35 M 2Z NET R32**

Configure model		
Model name	NIMBUS COMPACT 35 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	

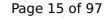
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
СОР	5.10	2.70

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

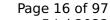
## Cooling





EN 14511-2			
+7°C/+12°C			
El input	1.03 kW		
Cooling capacity	3.5		

EN 1400E
EN 14825





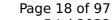
	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
РСК	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22

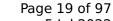
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Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:55 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 50 M 2Z NET R32**

Configure model		
Model name NIMBUS COMPACT 50 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		

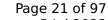
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.00 kW	3.80 kW	
El input	1.00 kW	1.36 kW	
СОР	5.00	2.80	

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

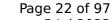
## Cooling





EN 14511-2		
	+18°C/+23°C	
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825





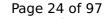
	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58

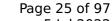
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Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 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 35 M 2Z LINK R32**

Configure model		
Model name	ARIANEXT COMPACT 35 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	

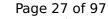
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
СОР	5.10	2.70

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

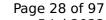
## Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.03 kW
Cooling capacity	3.5

EN 14825





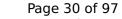
	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{S}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22

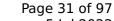
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Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:55 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 35 M LINK R32**

Configure model		
Model name	ARIANEXT COMPACT 35 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	3.50 kW	2.95 kW	
El input	0.69 kW	1.09 kW	
СОР	5.10	2.70	

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

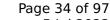
## Cooling



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EN 14511-2		
+7°C/+12°C		
El input	1.03 kW	
Cooling capacity	3.5	

E	N 14825





	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22

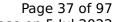
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guidant and g		
Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:55 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 50 M 2Z LINK R32**

Configure model		
Model name ARIANEXT COMPACT 50 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	5.00 kW	3.80 kW	
El input	1.00 kW	1.36 kW	
СОР	5.00	2.80	

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

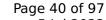




EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

# EN 14825

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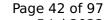
	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58

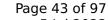
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guidant and g		
Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

#### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:31 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 50 M LINK R32**

Configure model		
Model name ARIANEXT COMPACT 50 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	5.00 kW	3.80 kW
El input	1.00 kW	1.36 kW
СОР	5.00	2.80

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

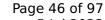
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825





	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
PTO	14 W
PSB	14 W
РСК	0 W
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58

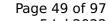
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guidant and g		
Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 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 04.2 M-CRX 2Z**

Configure model		
Model name	AEROTOP MONO 04.2 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	

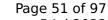
General Data		
Power supply 1x230V 50Hz		

#### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	3.50 kW	2.95 kW	
El input	0.69 kW	1.09 kW	
СОР	5.10	2.70	

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

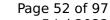
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.03 kW
Cooling capacity	3.5

EN 1400E
EN 14825





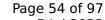
	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825			
	Low temperature	Medium temperature	
Pdesignh	5.20 kW	4.63 kW	
$\eta_{s}$	192 %	134 %	
Prated	5.20 kW	4.63 kW	
SCOP	4.89	3.43	
Tbiv	-7 °C	-7 °C	
TOL	-20 °C	-20 °C	
Pdh Tj = -7°C	4.60 kW	4.10 kW	
COP Tj = -7°C	3.21	2.28	
Cdh Tj = -7 °C	0.991	0.993	
Pdh Tj = +2°C	2.88 kW	2.63 kW	
COP Tj = +2°C	4.66	3.35	
Cdh Tj = +2 °C	0.979	0.983	
Pdh Tj = +7°C	1.85 kW	1.76 kW	
COP Tj = +7°C	6.56	4.22	

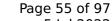
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guidant and general		
Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:55 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 04.2 M-CRX 1Z**

Configure model			
Model name	AEROTOP MONO 04.2 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		

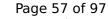
General Data			
Power supply 1x230V 50Hz			

#### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.95 kW	
El input	0.69 kW	1.09 kW	
СОР	5.10	2.70	

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

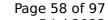
# Cooling





EN 14511-2			
+7°C/+12°C			
El input	1.03 kW		
Cooling capacity	3.5		

EN 14825





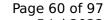
	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22

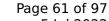
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guidant and g	·	
Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:55 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 05.2 M-CRX 2Z**

Configure model			
Model name	AEROTOP MONO 05.2 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		

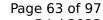
General Data		
Power supply	1x230V 50Hz	

#### Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	5.00 kW	3.80 kW	
El input	1.00 kW	1.36 kW	
СОР	5.00	2.80	

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

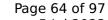
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825





	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58

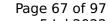
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guidant and g		
Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 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 05.2 M-CRX 1Z**

Configure model		
Model name	AEROTOP MONO 05.2 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	5.00 kW	3.80 kW	
El input	1.00 kW	1.36 kW	
СОР	5.00	2.80	

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

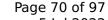
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825





This information was generated by the HP KEYMARK database on 5 Jul 2022 +7°C/+12°C 5 kW **Pdesignc SEER** 4.85  $Pdc Tj = 35^{\circ}C$ 5 kW 2.85 EER Tj = 35°C  $Pdc Tj = 30^{\circ}C$ 3.77 kW 4.25 EER Tj = 30°C Cdc Tj = 30 °C0.98  $Pdc Tj = 25^{\circ}C$ 2.32 kW 5.38 EER Tj = 25°C 0.97 Cdc Tj = 25 °C $Pdc Tj = 20^{\circ}C$ 1.87 kW 7.85 EER Tj = 20°C Cdc Tj = 20 °C0.94 Poff 14 W PTO 14 W **PSB** 14 W **PCK** 0 W

#### Average Climate

Annual energy consumption Qce

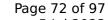
925 kWh



# EN 12102-1Low temperatureMedium temperatureSound power level indoor35 dB(A)35 dB(A)Sound power level outdoor55 dB(A)55 dB(A)

EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58

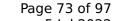
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Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

#### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 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 40 2Z**

Configure model			
Model name	ENERGION M COMPACT 40 2Z		
Application	Heating + DHW + low temp		
Units	Indoor + Outdoor		
Climate Zone	n/a		
Reversibility	Yes		
Cooling mode application (optional)	+7°C/12°C		

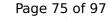
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.50 kW	2.95 kW	
El input	0.69 kW	1.09 kW	
СОР	5.10	2.70	

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

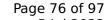
# Cooling





EN 14511-2	
	+7°C/+12°C
El input	1.03 kW
Cooling capacity	3.5

EN 14825



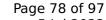


	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

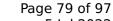
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22





Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:55 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 40**

Configure model		
Model name	ENERGION M COMPACT 40	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

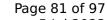
General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
СОР	5.10	2.70

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

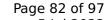
# Cooling





EN 14511-2	
+7°C/+12°C	
El input	1.03 kW
Cooling capacity	3.5

EN 14825



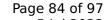


	+7°C/+12°C
Pdesignc	3.5 kW
SEER	4.87
Pdc Tj = 35°C	3.5 kW
EER Tj = 35°C	3
Pdc Tj = 30°C	2.58 kW
EER Tj = 30°C	4.33
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	1.72 kW
EER Tj = 25°C	5.86
Cdc Tj = 25 °C	0.95
Pdc Tj = 20°C	1.79 kW
EER Tj = 20°C	7.24
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	628 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

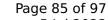
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.20 kW	4.63 kW
$\eta_{s}$	192 %	134 %
Prated	5.20 kW	4.63 kW
SCOP	4.89	3.43
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.60 kW	4.10 kW
COP Tj = -7°C	3.21	2.28
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	2.88 kW	2.63 kW
COP Tj = +2°C	4.66	3.35
Cdh Tj = +2 °C	0.979	0.983
Pdh Tj = +7°C	1.85 kW	1.76 kW
COP Tj = +7°C	6.56	4.22





guidant and general		
Cdh Tj = +7 °C	0.954	0.969
Pdh Tj = 12°C	1.92 kW	1.88 kW
COP Tj = 12°C	8.49	6.30
Cdh Tj = +12 °C	0.942	0.956
Pdh Tj = Tbiv	4.60 kW	4.10 kW
COP Tj = Tbiv	3.21	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.17 kW	2.17 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2198 kWh	2790 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:55 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 50 2Z**

Configure model		
Model name	ENERGION M COMPACT 50 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	5.00 kW	3.80 kW
El input	1.00 kW	1.36 kW
СОР	5.00	2.80

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

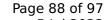
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825



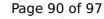


	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	o w
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

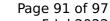
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58





guidant and g		
Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

## Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	131 %
СОР	3.10
Heating up time	01:31 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 50**

Configure model		
Model name	ENERGION M COMPACT 50	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C	

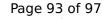
General Data		
Power supply 1x230V 50Hz		

## Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	5.00 kW	3.80 kW
El input	1.00 kW	1.36 kW
СОР	5.00	2.80

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

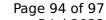
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.75 kW	
Cooling capacity	5	
EER	2.85	4.56

#### EN 14825



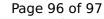


	+7°C/+12°C
Pdesignc	5 kW
SEER	4.85
Pdc Tj = 35°C	5 kW
EER Tj = 35°C	2.85
Pdc Tj = 30°C	3.77 kW
EER Tj = 30°C	4.25
Cdc Tj = 30 °C	0.98
Pdc Tj = 25°C	2.32 kW
EER Tj = 25°C	5.38
Cdc Tj = 25 °C	0.97
Pdc Tj = 20°C	1.87 kW
EER Tj = 20°C	7.85
Cdc Tj = 20 °C	0.94
Poff	14 W
РТО	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	925 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

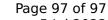
EN 14825		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
$\eta_{s}$	183 %	136 %
Prated	5.65 kW	5.65 kW
SCOP	4.66	3.48
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.10	2.28
Cdh Tj = -7 °C	0.992	0.994
Pdh Tj = +2°C	3.11 kW	3.11 kW
COP Tj = +2°C	4.32	3.30
Cdh Tj = +2 °C	0.981	0.986
Pdh Tj = +7°C	1.96 kW	2.19 kW
COP Tj = +7°C	6.48	4.58





guidant and general		
Cdh Tj = +7 °C	0.955	0.972
Pdh Tj = 12°C	1.86 kW	1.84 kW
COP Tj = 12°C	8.41	6.33
Cdh Tj = +12 °C	0.939	0.953
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.10	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	3.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	60 °C	60 °C
Poff	13 W	13 W
РТО	13 W	13 W
PSB	13 W	13 W
PCK	13 W	13 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.96 kW	2.47 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	2505 kWh	3360 kWh

## Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	131 %	
СОР	3.10	
Heating up time	01:31 h:min	
Standby power input	38.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	233 I	