Login

Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 120/150 M - COMPACT	Reg. No.	ICIM-PDC-000106

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 120/150 M - COMPACT		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	2.1 kg		
Certification Date	05.07.2022		
Testing basis	Heat Pump KEYMARK rev9		

Model: NIMBUS COMPACT 120 M NET R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: NIMBUS COMPACT 120 M-T NET R32

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: NIMBUS COMPACT 150 M NET R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: NIMBUS COMPACT 150 M-T NET R32

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: NIMBUS COMPACT 120 M 2Z NET R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

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

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: NIMBUS COMPACT 150 M 2Z NET R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

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

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 120 M 2Z LINK R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 120 M LINK R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

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

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 120 M-T LINK R32

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 150 M 2Z LINK R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 150 M LINK R32

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

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

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ARIANEXT COMPACT 150 M-T LINK R32

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

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

Model: AEROTOP MONO 12.2 M-CRX 2Z

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 12.2 M-CRX 1Z

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 12.2 M-CR 2Z

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 12.2 M-CR 1Z

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 15.2 M-CRX 2Z

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 15.2 M-CRX 1Z

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

General Data	
Power supply	1x230V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 15.2 M-CR 2Z

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: AEROTOP MONO 15.2 M-CR 1Z

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ENERGION M COMPACT 120 T 2Z

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ENERGION M COMPACT 120 T

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ENERGION M COMPACT 150 T 2Z

Configure model	
Model name	ENERGION M COMPACT 150 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	15.00 kW	9.50 kW
El input	3.19 kW	3.02 kW
COP	4.70	3.15

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

Cooling

EN 14511-2

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

EN 14825

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

Average Climate

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

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

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

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: ENERGION M COMPACT 150 T

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

General Data	
Power supply	3x400V 50Hz

Heating

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

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

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EN 14511-2

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

EN 14825

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Cdc Tj = 20 °C	0.98
Poff	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	1951 kWh

Average Climate

EN 12102-1

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EN 14825

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