

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

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Summary of	NIMBUS/ARIANEXT/AEROTOP/ENERGION 120/150 M - FLEX		Reg. No.	ICIM-PDC-000107
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 - FLEX			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	2.1 kg			
Certification Date	05.07.2022			

Model: NIMBUS FLEX 120 M NET R32

Configure model	
Model name	NIMBUS FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	9.05 kW
SEER	5.40
P _{dc} T _j = 35°C	9.05 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	6.86 kW
EER T _j = 30°C	4.72
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	4.31 kW
EER T _j = 25°C	6.14
C _{dc} T _j = 25 °C	0.98
P _{dc} T _j = 20°C	4.45 kW
EER T _j = 20°C	7.5
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1541 kWh

Average Climate

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

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
P _{designh}	10.84 kW	9.42 kW
η_s	204 %	143 %
P _{rated}	10.84 kW	9.42 kW
SCOP	5.16	3.65
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	9.59 kW	8.33 kW
COP T _j = -7°C	3.42	2.43
C _{dh} T _j = -7 °C	0.995	0.996
P _{dh} T _j = +2°C	5.74 kW	5.47 kW
COP T _j = +2°C	5.10	3.33
C _{dh} T _j = +2 °C	0.988	0.992
P _{dh} T _j = +7°C	4.16 kW	3.98 kW
COP T _j = +7°C	6.88	5.04

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

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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	01:01 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: NIMBUS FLEX 120 M-T NET R32

Configure model	
Model name	NIMBUS FLEX 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

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

EN 14511-2

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

EN 14825

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	+7°C/+12°C
P _{designc}	9.05 kW
SEER	5.40
P _{dc} T _j = 35°C	9.05 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	6.86 kW
EER T _j = 30°C	4.72
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	4.31 kW
EER T _j = 25°C	6.14
C _{dc} T _j = 25 °C	0.98
P _{dc} T _j = 20°C	4.45 kW
EER T _j = 20°C	7.5
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1541 kWh

Average Climate

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

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
P _{designh}	10.84 kW	9.42 kW
η_s	204 %	143 %
P _{rated}	10.84 kW	9.42 kW
SCOP	5.16	3.65
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	9.59 kW	8.33 kW
COP T _j = -7°C	3.42	2.43
C _{dh} T _j = -7 °C	0.995	0.996
P _{dh} T _j = +2°C	5.74 kW	5.47 kW
COP T _j = +2°C	5.10	3.33
C _{dh} T _j = +2 °C	0.988	0.992
P _{dh} T _j = +7°C	4.16 kW	3.98 kW
COP T _j = +7°C	6.88	5.04

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

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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	01:01 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: NIMBUS FLEX 150 M NET R32

Configure model	
Model name	NIMBUS FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	11 kW
SEER	5.22
P _{dc} T _j = 35°C	11 kW
EER T _j = 35°C	2.93
P _{dc} T _j = 30°C	8.18 kW
EER T _j = 30°C	4.4
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	5.23 kW
EER T _j = 25°C	5.77
C _{dc} T _j = 25 °C	0.99
P _{dc} T _j = 20°C	4.5 kW
EER T _j = 20°C	7.53
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1951 kWh

Average Climate

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

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
P _{designh}	12.48 kW	11.59 kW
η_s	202 %	151 %
P _{rated}	12.48 kW	11.59 kW
SCOP	5.12	3.85
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	11.04 kW	10.25 kW
COP T _j = -7°C	3.29	2.50
C _{dh} T _j = -7 °C	0.996	0.997
P _{dh} T _j = +2°C	6.98 kW	6.50 kW
COP T _j = +2°C	4.92	3.67
C _{dh} T _j = +2 °C	0.990	0.992
P _{dh} T _j = +7°C	4.39 kW	3.96 kW
COP T _j = +7°C	6.76	5.04

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

Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	00:51 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: NIMBUS FLEX 150 M-T NET R32

Configure model	
Model name	NIMBUS FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	11 kW
SEER	5.22
P _{dc} T _j = 35°C	11 kW
EER T _j = 35°C	2.93
P _{dc} T _j = 30°C	8.18 kW
EER T _j = 30°C	4.4
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	5.23 kW
EER T _j = 25°C	5.77
C _{dc} T _j = 25 °C	0.99
P _{dc} T _j = 20°C	4.5 kW
EER T _j = 20°C	7.53
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1951 kWh

Average Climate

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

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
P _{designh}	12.48 kW	11.59 kW
η_s	202 %	151 %
P _{rated}	12.48 kW	11.59 kW
SCOP	5.12	3.85
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	11.04 kW	10.25 kW
COP T _j = -7°C	3.29	2.50
C _{dh} T _j = -7 °C	0.996	0.997
P _{dh} T _j = +2°C	6.98 kW	6.50 kW
COP T _j = +2°C	4.92	3.67
C _{dh} T _j = +2 °C	0.990	0.992
P _{dh} T _j = +7°C	4.39 kW	3.96 kW
COP T _j = +7°C	6.76	5.04

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

Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	00:51 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: ARIANEXT FLEX 120 M LINK R32

Configure model	
Model name	ARIANEXT FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	9.05 kW
SEER	5.40
P _{dc} T _j = 35°C	9.05 kW
EER T _j = 35°C	3.15
P _{dc} T _j = 30°C	6.86 kW
EER T _j = 30°C	4.72
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	4.31 kW
EER T _j = 25°C	6.14
C _{dc} T _j = 25 °C	0.98
P _{dc} T _j = 20°C	4.45 kW
EER T _j = 20°C	7.5
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1541 kWh

Average Climate

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

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
P _{designh}	10.84 kW	9.42 kW
η_s	204 %	143 %
P _{rated}	10.84 kW	9.42 kW
SCOP	5.16	3.65
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	9.59 kW	8.33 kW
COP T _j = -7°C	3.42	2.43
C _{dh} T _j = -7 °C	0.995	0.996
P _{dh} T _j = +2°C	5.74 kW	5.47 kW
COP T _j = +2°C	5.10	3.33
C _{dh} T _j = +2 °C	0.988	0.992
P _{dh} T _j = +7°C	4.16 kW	3.98 kW
COP T _j = +7°C	6.88	5.04

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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
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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

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Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	01:01 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: ARIANEXT FLEX 120 M-T LINK R32

Configure model	
Model name	ARIANEXT FLEX 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

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

EN 14511-2

	+7°C/+12°C	+18°C/+23°C
El input	2.87 kW	
Cooling capacity	9.05	
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EN 14825

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

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P _{dc} T _j = 25°C	4.31 kW
EER T _j = 25°C	6.14
C _{dc} T _j = 25 °C	0.98
P _{dc} T _j = 20°C	4.45 kW
EER T _j = 20°C	7.5
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P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1541 kWh

Average Climate

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

EN 12102-1

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

EN 14825

	Low temperature	Medium temperature
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η_s	204 %	143 %
P _{rated}	10.84 kW	9.42 kW
SCOP	5.16	3.65
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	9.59 kW	8.33 kW
COP T _j = -7°C	3.42	2.43
C _{dh} T _j = -7 °C	0.995	0.996
P _{dh} T _j = +2°C	5.74 kW	5.47 kW
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P _{dh} T _j = +7°C	4.16 kW	3.98 kW
COP T _j = +7°C	6.88	5.04

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

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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	01:01 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: ARIANEXT FLEX 150 M LINK R32

Configure model	
Model name	ARIANEXT FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	11 kW
SEER	5.22
P _{dc} T _j = 35°C	11 kW
EER T _j = 35°C	2.93
P _{dc} T _j = 30°C	8.18 kW
EER T _j = 30°C	4.4
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	5.23 kW
EER T _j = 25°C	5.77
C _{dc} T _j = 25 °C	0.99
P _{dc} T _j = 20°C	4.5 kW
EER T _j = 20°C	7.53
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1951 kWh

Average Climate

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

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
P _{designh}	12.48 kW	11.59 kW
η_s	202 %	151 %
P _{rated}	12.48 kW	11.59 kW
SCOP	5.12	3.85
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	11.04 kW	10.25 kW
COP T _j = -7°C	3.29	2.50
C _{dh} T _j = -7 °C	0.996	0.997
P _{dh} T _j = +2°C	6.98 kW	6.50 kW
COP T _j = +2°C	4.92	3.67
C _{dh} T _j = +2 °C	0.990	0.992
P _{dh} T _j = +7°C	4.39 kW	3.96 kW
COP T _j = +7°C	6.76	5.04

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

Cdh Tj = +7 °C	0.979	0.983
Pdh Tj = 12°C	4.71 kW	4.69 kW
COP Tj = 12°C	8.55	6.97
Cdh Tj = +12 °C	0.975	0.980
Pdh Tj = Tbiv	11.04 kW	10.25 kW
COP Tj = Tbiv	3.29	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.18 kW	10.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	2.06
WTOL	60 °C	60 °C
Poff	14 W	14 W
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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	00:51 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l

Model: ARIANEXT FLEX 150 M-T LINK R32

Configure model	
Model name	ARIANEXT FLEX 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

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

EN 14511-2

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

EN 14825

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

	+7°C/+12°C
P _{designc}	11 kW
SEER	5.22
P _{dc} T _j = 35°C	11 kW
EER T _j = 35°C	2.93
P _{dc} T _j = 30°C	8.18 kW
EER T _j = 30°C	4.4
C _{dc} T _j = 30 °C	0.99
P _{dc} T _j = 25°C	5.23 kW
EER T _j = 25°C	5.77
C _{dc} T _j = 25 °C	0.99
P _{dc} T _j = 20°C	4.5 kW
EER T _j = 20°C	7.53
C _{dc} T _j = 20 °C	0.98
P _{off}	14 W
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Q _{ce}	1951 kWh

Average Climate

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

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
P _{designh}	12.48 kW	11.59 kW
η_s	202 %	151 %
P _{rated}	12.48 kW	11.59 kW
SCOP	5.12	3.85
T _{biv}	-7 °C	-7 °C
TOL	-20 °C	-20 °C
P _{dh} T _j = -7°C	11.04 kW	10.25 kW
COP T _j = -7°C	3.29	2.50
C _{dh} T _j = -7 °C	0.996	0.997
P _{dh} T _j = +2°C	6.98 kW	6.50 kW
COP T _j = +2°C	4.92	3.67
C _{dh} T _j = +2 °C	0.990	0.992
P _{dh} T _j = +7°C	4.39 kW	3.96 kW
COP T _j = +7°C	6.76	5.04

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

Cdh Tj = +7 °C	0.979	0.983
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COP Tj = 12°C	8.55	6.97
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Pdh Tj = Tbiv	11.04 kW	10.25 kW
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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

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	135 %
COP	3.20
Heating up time	00:51 h:min
Standby power input	37.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	256 l