

Subtype NIMBUS/ARIANEXT/AEROTOP/ENERGION 35/50 M - FLEX

Certificate Holder	Ariston Thermo Group
Address	Viale Aristide Merloni 45
ZIP	I-60044
City	Fabriano (AN)
Country	IT
Certification Body	ICIM S.p.A.
Subtype title	NIMBUS/ARIANEXT/AEROTOP/ENERGION 35/50 M - FLEX
Registration number	ICIM-PDC-000110
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1 kg
Certification Date	05.07.2022

Model NIMBUS FLEX 35 M NET R32

Model name	NIMBUS FLEX 35 M NET R32
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	L
Efficiency η_{DHW}	141 %
COP	3.30
Heating up time	01:52 h:min
Standby power input	32.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	244 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
COP	5.10	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.03 kW	
Cooling capacity	3.5	

EN 12102-1 | Average Climate

	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 Average Climate		
Pdesignh	Low temperature	Medium temperature
ηs	5.20 kW	4.63 kW
Prated	192 %	134 %
SCOP	5.20 kW	4.63 kW
Tbiv	4.89	3.43
TOL	-7 °C	-7 °C
Pdh Tj = -7°C	-20 °C	-20 °C
COP Tj = -7°C	4.60 kW	4.10 kW
Cdh Tj = -7 °C	3.21	2.28
Pdh Tj = +2°C	0.991	0.993
COP Tj = +2°C	2.88 kW	2.63 kW
Cdh Tj = +2 °C	4.66	3.35
Pdh Tj = +7°C	0.979	0.983
COP Tj = +7°C	1.85 kW	1.76 kW
Cdh Tj = +7 °C	6.56	4.22
Pdh Tj = 12°C	0.954	0.969
COP Tj = 12°C	1.92 kW	1.88 kW
Cdh Tj = +12 °C	8.49	6.30
Pdh Tj = Tbiv	0.942	0.956
COP Tj = Tbiv	4.60 kW	4.10 kW
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.21	2.28
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
WTOL	0.991	0.993
Poff	60 °C	60 °C
PTO	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
EN 12102-1 Colder Climate		
Sound power level indoor	Low temperature	Medium temperature
Sound power level outdoor	35 dB(A)	35 dB(A)
EN 14825 Colder Climate		

	Low temperature	Medium temperature
Pdesignh	7.75 kW	7.43 kW
η_s	151 %	120 %
Prated	7.34 kW	7.04 kW
SCOP	3.85	3.07
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.50 kW
COP Tj = -7°C	3.54	2.76
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	2.95 kW	2.94 kW
COP Tj = +2°C	5.16	3.99
Cdh Tj = +2 °C	0.977	0.982
Pdh Tj = +7°C	1.89 kW	1.92 kW
COP Tj = +7°C	7.19	5.35
Cdh Tj = +7 °C	0.950	0.964
Pdh Tj = 12°C	1.92 kW	1.93 kW
COP Tj = 12°C	8.55	6.96
Cdh Tj = +12 °C	0.942	0.953
Pdh Tj = Tbiv	4.69 kW	4.50 kW
COP Tj = Tbiv	3.54	2.76
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	0.990	0.992
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	7.34 kW	7.04 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	4964 kWh	5968 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.84 kW	2.35 kW
η_s	239 %	137 %

Prated	2.84 kW	2.35 kW
SCOP	6.06	3.49
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	2.84 kW	2.35 kW
COP Tj = +2°C	4.00	2.19
Cdh Tj = +2 °C	0.982	0.988
Pdh Tj = +7°C	1.88 kW	1.60 kW
COP Tj = +7°C	5.57	2.80
Cdh Tj = +7 °C	0.961	0.977
Pdh Tj = 12°C	1.91 kW	1.81 kW
COP Tj = 12°C	7.94	5.10
Cdh Tj = +12 °C	0.946	0.963
Pdh Tj = Tbiv	2.84 kW	2.35 kW
COP Tj = Tbiv	4.02	2.19
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	0.982	0.988
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	0.00 kW	0.00 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	626 kWh	899 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	628 kWh

Model NIMBUS FLEX 50 M NET R32

Model name	NIMBUS FLEX 50 M NET R32
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	L
Efficiency η_{DHW}	141 %
COP	3.30
Heating up time	01:30 h:min
Standby power input	32.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	244 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.00 kW	3.80 kW
El input	1.00 kW	1.36 kW
COP	5.00	2.80

EN 14511-2 | Cooling

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
η_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
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
PTO	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

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
Pdesignh	8.26 kW	8.26 kW
η_s	150 %	118 %
Prated	7.83 kW	7.83 kW
SCOP	3.85	3.84
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.50	2.71
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	3.00 kW	3.11 kW
COP Tj = +2°C	5.15	3.81
Cdh Tj = +2 °C	0.978	0.983
Pdh Tj = +7°C	1.99 kW	2.28 kW
COP Tj = +7°C	7.20	5.29
Cdh Tj = +7 °C	0.953	0.968
Pdh Tj = 12°C	1.87 kW	1.87 kW
COP Tj = 12°C	8.70	6.88
Cdh Tj = +12 °C	0.949	0.950
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.50	2.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	7.83 kW	7.83 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	5317 kWh	6739 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	3.44 kW	2.97 kW
η_s	245 %	151 %

Prated	3.44 kW	2.97 kW
SCOP	6.20	3.84
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	3.44 kW	2.97 kW
COP Tj = +2°C	3.88	2.33
Cdh Tj = +2 °C	0.985	0.989
Pdh Tj = +7°C	2.22 kW	2.02 kW
COP Tj = +7°C	5.66	3.16
Cdh Tj = +7 °C	0.965	0.979
Pdh Tj = 12°C	1.86 kW	1.76 kW
COP Tj = 12°C	8.01	5.40
Cdh Tj = +12 °C	0.941	0.958
Pdh Tj = Tbiv	3.44 kW	2.97 kW
COP Tj = Tbiv	3.88	2.33
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	0.985	0.989
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	0.00 kW	0.00 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	742 kWh	1033 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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
PCK	0 W
Annual energy consumption Qce	925 kWh

Model ARIANEXT FLEX 35 M LINK R32

Model name	ARIANEXT FLEX 35 M LINK R32
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	L
Efficiency η_{DHW}	141 %
COP	3.30
Heating up time	01:52 h:min
Standby power input	32.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	244 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.50 kW	2.95 kW
El input	0.69 kW	1.09 kW
COP	5.10	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.03 kW	
Cooling capacity	3.5	

EN 12102-1 | Average Climate

	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 Average Climate		
Pdesignh	Low temperature	Medium temperature
ηs	5.20 kW	4.63 kW
Prated	192 %	134 %
SCOP	5.20 kW	4.63 kW
Tbiv	4.89	3.43
TOL	-7 °C	-7 °C
Pdh Tj = -7°C	-20 °C	-20 °C
COP Tj = -7°C	4.60 kW	4.10 kW
Cdh Tj = -7 °C	3.21	2.28
Pdh Tj = +2°C	0.991	0.993
COP Tj = +2°C	2.88 kW	2.63 kW
Cdh Tj = +2 °C	4.66	3.35
Pdh Tj = +7°C	0.979	0.983
COP Tj = +7°C	1.85 kW	1.76 kW
Cdh Tj = +7 °C	6.56	4.22
Pdh Tj = 12°C	0.954	0.969
COP Tj = 12°C	1.92 kW	1.88 kW
Cdh Tj = +12 °C	8.49	6.30
Pdh Tj = Tbiv	0.942	0.956
COP Tj = Tbiv	4.60 kW	4.10 kW
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.21	2.28
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.46 kW
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.25	1.52
WTOL	0.991	0.993
Poff	60 °C	60 °C
PTO	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
EN 12102-1 Colder Climate		
Sound power level indoor	Low temperature	Medium temperature
Sound power level outdoor	35 dB(A)	35 dB(A)
EN 14825 Colder Climate		

	Low temperature	Medium temperature
Pdesignh	7.75 kW	7.43 kW
η_s	151 %	120 %
Prated	7.34 kW	7.04 kW
SCOP	3.85	3.07
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.69 kW	4.50 kW
COP Tj = -7°C	3.54	2.76
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	2.95 kW	2.94 kW
COP Tj = +2°C	5.16	3.99
Cdh Tj = +2 °C	0.977	0.982
Pdh Tj = +7°C	1.89 kW	1.92 kW
COP Tj = +7°C	7.19	5.35
Cdh Tj = +7 °C	0.950	0.964
Pdh Tj = 12°C	1.92 kW	1.93 kW
COP Tj = 12°C	8.55	6.96
Cdh Tj = +12 °C	0.942	0.953
Pdh Tj = Tbiv	4.69 kW	4.50 kW
COP Tj = Tbiv	3.54	2.76
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	0.990	0.992
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	7.34 kW	7.04 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	4964 kWh	5968 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	2.84 kW	2.35 kW
η_s	239 %	137 %

Prated	2.84 kW	2.35 kW
SCOP	6.06	3.49
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	2.84 kW	2.35 kW
COP Tj = +2°C	4.00	2.19
Cdh Tj = +2 °C	0.982	0.988
Pdh Tj = +7°C	1.88 kW	1.60 kW
COP Tj = +7°C	5.57	2.80
Cdh Tj = +7 °C	0.961	0.977
Pdh Tj = 12°C	1.91 kW	1.81 kW
COP Tj = 12°C	7.94	5.10
Cdh Tj = +12 °C	0.946	0.963
Pdh Tj = Tbiv	2.84 kW	2.35 kW
COP Tj = Tbiv	4.02	2.19
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	0.982	0.988
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	0.00 kW	0.00 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	626 kWh	899 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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
PTO	14 W
PSB	14 W
PCK	0 W
Annual energy consumption Qce	628 kWh

Model ARIANEXT FLEX 50 M LINK R32

Model name	ARIANEXT FLEX 50 M LINK R32
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water
EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	141 %
COP	3.30
Heating up time	01:30 h:min
Standby power input	32.0 W
Reference hot water temperature	53 °C
Mixed water at 40°C	244 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.00 kW	3.80 kW
El input	1.00 kW	1.36 kW
COP	5.00	2.80

EN 14511-2 | Cooling

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

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	55 dB(A)	55 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
Pdesignh	5.65 kW	5.65 kW
η_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
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
PTO	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

	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 Colder Climate

	Low temperature	Medium temperature
Pdesignh	8.26 kW	8.26 kW
η_s	150 %	118 %
Prated	7.83 kW	7.83 kW
SCOP	3.85	3.84
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	5.00 kW	5.00 kW
COP Tj = -7°C	3.50	2.71
Cdh Tj = -7 °C	0.991	0.993
Pdh Tj = +2°C	3.00 kW	3.11 kW
COP Tj = +2°C	5.15	3.81
Cdh Tj = +2 °C	0.978	0.983
Pdh Tj = +7°C	1.99 kW	2.28 kW
COP Tj = +7°C	7.20	5.29
Cdh Tj = +7 °C	0.953	0.968
Pdh Tj = 12°C	1.87 kW	1.87 kW
COP Tj = 12°C	8.70	6.88
Cdh Tj = +12 °C	0.949	0.950
Pdh Tj = Tbiv	5.00 kW	5.00 kW
COP Tj = Tbiv	3.50	2.70
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.69 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	1.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.993
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	7.83 kW	7.83 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	5317 kWh	6739 kWh

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
Pdesignh	3.44 kW	2.97 kW
η_s	245 %	151 %

Prated	3.44 kW	2.97 kW
SCOP	6.20	3.84
Tbiv	2 °C	2 °C
TOL	-20 °C	-20 °C
Pdh Tj = +2°C	3.44 kW	2.97 kW
COP Tj = +2°C	3.88	2.33
Cdh Tj = +2 °C	0.985	0.989
Pdh Tj = +7°C	2.22 kW	2.02 kW
COP Tj = +7°C	5.66	3.16
Cdh Tj = +7 °C	0.965	0.979
Pdh Tj = 12°C	1.86 kW	1.76 kW
COP Tj = 12°C	8.01	5.40
Cdh Tj = +12 °C	0.941	0.958
Pdh Tj = Tbiv	3.44 kW	2.97 kW
COP Tj = Tbiv	3.88	2.33
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	0.985	0.989
WTOL	60 °C	60 °C
Poff	13 W	13 W
PTO	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	0.00 kW	0.00 kW
Backup Heater	4.00 kW	4.00 kW
Annual energy consumption Qhe	742 kWh	1033 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°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
PCK	0 W
Annual energy consumption Qce	925 kWh