Subtype Beretta TOWER GREEN T 11T AIO	
Certificate Holder	Riello S.p.A.
Address	Via Ing. Pilade Riello 7
ZIP	37045
City	Legnago (VR)
Country	IT
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Beretta TOWER GREEN T 11T AIO
Registration number	011-1W0731
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	24.10.2023
Testing basis	HP KEYMARK certification scheme rules V12

Model HP ODU AGILE 11T / HP IDU TOWER M31AM

Model name	HP ODU AGILE 11T / HP IDU TOWER M31AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
COP Tj = -7°C	2.88	2.24
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh

Model HP ODU AGILE 11T / HP IDU TOWER M61AM	
Model name	HP ODU AGILE 11T / HP IDU TOWER M61AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
COP Tj = -7°C	2.88	2.24
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh

Model HP ODU AGILE 11T / HP IDU TOWER T61AM	
Model name	HP ODU AGILE 11T / HP IDU TOWER T61AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
COP Tj = -7°C	2.88	2.24
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh

Model HP ODU AGILE 11T / HP IDU TOWER M32AM

Model name	HP ODU AGILE 11T / HP IDU TOWER M32AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
COP Tj = -7°C	2.88	2.24
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh

Model HP ODU AGILE 11T / HP IDU TOWER M62AM	
Model name	HP ODU AGILE 11T / HP IDU TOWER M62AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
COP Tj = -7°C	2.88	2.24
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
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Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh

Model HP ODU AGILE 11T / HP IDU TOWER T62AM	
Model name	HP ODU AGILE 11T / HP IDU TOWER T62AM
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
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	XL
Efficiency ηDHW	135 %
COP	3.03
Heating up time	0:42 h:min
Standby power input	35 W
Reference hot water temperature	47.7 °C
Mixed water at 40°C	235 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	11 kW	14.97 kW
El input	2.32 kW	4.9 kW
COP	4.74	3.06

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	138 %	138 %

Prated	10 kW	10 kW
SCOP	4.56	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.13 kW	9.04 kW
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Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	5.58 kW	8.55 kW
COP Tj = +2°C	4.38	3.23
Cdh Tj = +2 °C	0.96	0.98
Pdh Tj = +7°C	3.8 kW	3.86 kW
COP Tj = +7°C	6.16	5.03
Cdh Tj = +7 °C	0.92	0.93
Pdh Tj = 12°C	4.31 kW	4.42 kW
COP Tj = 12°C	8.76	8.43
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Pdh Tj = Tbiv	9.13 kW	9.04 kW
COP Tj = Tbiv	2.88	2.24
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.4 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.89	0.9
WTOL	65 °C	65 °C
Poff	11 W	11 W
PTO	52 W	52 W
PSB	11 W	11 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.6 kW	2.5 kW
Annual energy consumption Qhe	4677 kWh	6005 kWh