Subtype Luna Hybrid 8-10	
Certificate Holder	BAXI S.p.A.
Address	Via Trozzetti, 20
ZIP	
City	Bassano del Grappa (VI)
Country	IT
Certification Body	Kiwa Nederland B.V.
Subtype title	Luna Hybrid 8-10
Registration number	007-DP0199
Heat Pump Type	Hybrid Air/Water
Refrigerant	R32
Mass of Refrigerant	1.65 kg
Certification Date	17.02.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v13)

Model Luna Hybrid 28 Alya 8	
Model name	Luna Hybrid 28 Alya 8
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Hybrid Air/Water

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	8.46 kW	6.96 kW
El input	1.65 kW	2.37 kW
COP	5.14	2.94

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	38 dB(A)
Sound power level outdoor	dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	193 %	129 %
Prated	7.68 kW	6.27 kW
SCOP	4.90	3.29
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.79 kW	5.55 kW
COP Tj = -7°C	3.03	2.04
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	4.41 kW	3.60 kW
COP Tj = +2°C	4.84	3.24
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	3.03 kW	2.46 kW

COP Tj = +7°C	6.53	4.35
Cdh Tj = +7 °C	0.990	0.991
Pdh Tj = 12°C	1.71 kW	1.58 kW
COP Tj = 12°C	8.80	5.50
Cdh Tj = +12 °C	0.979	0.981
Pdh Tj = Tbiv	6.79 kW	5.55 kW
COP Tj = Tbiv	3.03	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.63 kW	6.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.33	2.12
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.05 kW	0.23 kW
Annual energy consumption Qhe	3237 kWh	3931 kWh

Model Luna Hybrid 28 Alya 10	
Model name	Luna Hybrid 28 Alya 10
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Hybrid Air/Water

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	9.79 kW	9.17 kW
El input	2.01 kW	3.06 kW
COP	4.88	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	38 dB(A)
Sound power level outdoor	dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	131 %
Prated	8.36 kW	7.12 kW
SCOP	4.84	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.40 kW	6.38 kW
COP Tj = -7°C	2.90	2.04
Cdh Tj = -7 °C	0.998	0.998
Pdh Tj = +2°C	4.49 kW	3.79 kW
COP Tj = +2°C	4.74	3.29
Cdh Tj = +2 °C	0.995	0.996
Pdh Tj = +7°C	3.07 kW	2.67 kW

COP Tj = +7°C	6.72	4.40
Cdh Tj = +7 °C	0.990	0.991
Pdh Tj = 12°C	1.69 kW	1.71 kW
COP Tj = 12°C	8.65	5.86
Cdh Tj = +12 °C	0.979	0.981
Pdh Tj = Tbiv	7.40 kW	6.38 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.36 kW	7.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	2.15
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	5 W	5 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3570 kWh	4447 kWh