

Subtype Luna Hybrid 4-6

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 4-6
Registration number	007-DP0198
Heat Pump Type	Hybrid Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	17.02.2025
Testing basis	European KEYMARK Scheme for Heat Pumps (v13)

Model Luna Hybrid 28 Alya 4

Model name	Luna Hybrid 28 Alya 4
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	No

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	4.45 kW	4.52 kW
El input	0.82 kW	1.50 kW
COP	5.40	3.02

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	dB(A)	38 dB(A)
Sound power level outdoor	dB(A)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	189 %	126 %
Prated	5.13 kW	3.97 kW
SCOP	4.80	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.54 kW	3.51 kW
COP Tj = -7°C	3.00	2.06
Cdh Tj = -7 °C	0.998	0.995
Pdh Tj = +2°C	2.79 kW	2.17 kW
COP Tj = +2°C	4.70	3.20
Cdh Tj = +2 °C	0.995	0.987
Pdh Tj = +7°C	1.82 kW	1.35 kW

COP Tj = +7°C	6.75	4.14
Cdh Tj = +7 °C	0.989	0.973
Pdh Tj = 12°C	1.47 kW	1.29 kW
COP Tj = 12°C	8.40	6.17
Cdh Tj = +12 °C	0.980	0.957
Pdh Tj = Tbiv	4.54 kW	3.51 kW
COP Tj = Tbiv	3.00	2.06
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.12 kW	3.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.30	2.10
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	3 W	10 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.01 kW	0.04 kW
Annual energy consumption Qhe	2208 kWh	2535 kWh

Model Luna Hybrid 28 Alya 6

Model name	Luna Hybrid 28 Alya 6
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	6.37 kW	6.06 kW
El input	kW	kW
COP	5.03	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)	52 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	187 %	125 %
Prated	6.30 kW	5.23 kW
SCOP	4.75	3.19
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.57 kW	4.67 kW
COP Tj = -7°C	2.91	2.01
Cdh Tj = -7 °C	0.999	0.997
Pdh Tj = +2°C	3.47 kW	2.69 kW
COP Tj = +2°C	4.50	2.98
Cdh Tj = +2 °C	0.998	0.992
Pdh Tj = +7°C	2.29 kW	1.92 kW

COP Tj = +7°C	6.88	4.56
Cdh Tj = +7 °C	0.995	0.982
Pdh Tj = 12°C	1.44 kW	1.27 kW
COP Tj = 12°C	9.43	6.09
Cdh Tj = +12 °C	0.990	0.965
Pdh Tj = Tbiv	5.57 kW	4.67 kW
COP Tj = Tbiv	2.91	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.23 kW	5.14 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.29	2.09
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	3 W	10 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Gas	Gas
Supplementary Heater: PSUP	0.07 kW	0.09 kW
Annual energy consumption Qhe	2743 kWh	3414 kWh