

Subtype ALYA 4/6M WH-A	
Certificate Holder	BAXI S.p.A.
Address	Via Trozzetti, 20
ZIP	
City	Bassano del Grappa (VI)
Country	IT
Certification Body	ECC Eurovent Certita Certification
Subtype title	ALYA 4/6M WH-A
Registration number	24.03.031
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	25.03.2024
Testing basis	EN 14511: 2018 / EN 14825: 2018 / EN 12102-1: 2017

Model ALYA 4 M H WH-A		
Model name	ALYA 4 M H WH-A	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor 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	4.25 kW	4.40 kW
El input	0.82 kW	1.49 kW
COP	5.20	2.95
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.76 kW	4.64 kW
Cooling capacity	1.32	0.84
EER	3.60	5.50
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	193 %	132 %
Prated	5.52 kW	4.40 kW
SCOP	4.90	3.38
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	4.88 kW	3.89 kW
COP Tj = -7°C	3.19	2.17
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.06 kW	2.38 kW
COP Tj = +2°C	4.78	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.94 kW	1.56 kW
COP Tj = +7°C	6.40	4.41
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.48 kW	1.32 kW
COP Tj = 12°C	8.05	5.66
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.88 kW	3.89 kW
COP Tj = Tbiv	3.19	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.42 kW	3.42 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.11 kW	0.98 kW
Annual energy consumption Qhe	2326 kWh	2686 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.76 kW	4.64 kW
SEER	4.44	8.25
Pdc Tj = 35°C	4.76 kW	4.64 kW
EER Tj = 35°C	3.60	5.50
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	3.44 kW	3.38 kW
EER Tj = 30°C	4.55	7.30
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	2.19 kW	2.09 kW
EER Tj = 25°C	5.12	8.95
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	0.95 kW	1.16 kW
EER Tj = 20°C	4.29	13.20
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W

PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	643 kWh	337 kWh

Model ALYA 4M E WH-A		
Model name	ALYA 4M E WH-A	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor 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	4.25 kW	4.40 kW
El input	0.82 kW	1.49 kW
COP	5.20	2.95
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.76 kW	4.64 kW
Cooling capacity	1.32	0.84
EER	3.60	5.50
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	193 %	132 %
Prated	5.52 kW	4.40 kW
SCOP	4.90	3.38
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	4.88 kW	3.89 kW
COP Tj = -7°C	3.19	2.17
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.06 kW	2.38 kW
COP Tj = +2°C	4.78	3.30
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.94 kW	1.56 kW
COP Tj = +7°C	6.40	4.41
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.48 kW	1.32 kW
COP Tj = 12°C	8.05	5.66
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.88 kW	3.89 kW
COP Tj = Tbiv	3.19	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.42 kW	3.42 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.86	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.11 kW	0.98 kW
Annual energy consumption Qhe	2326 kWh	2686 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.76 kW	4.64 kW
SEER	4.44	8.25
Pdc Tj = 35°C	4.76 kW	4.64 kW
EER Tj = 35°C	3.60	5.50
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	3.44 kW	3.38 kW
EER Tj = 30°C	4.55	7.30
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	2.19 kW	2.09 kW
EER Tj = 25°C	5.12	8.95
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	0.95 kW	1.16 kW
EER Tj = 20°C	4.29	13.20
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W

PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	643 kWh	337 kWh

Model ALYA 6M E WH-A		
Model name	ALYA 6M E WH-A	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor 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	6.20 kW	6.00 kW
El input	1.24 kW	2.00 kW
COP	5.00	3.00
EN 14511-2 Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	7.18 kW	6.70 kW
Cooling capacity	2.39	1.35
EER	3.01	4.95
EN 12102-1 Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	195 %	138 %
Prated	6.82 kW	5.70 kW
SCOP	4.95	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	6.03 kW	5.05 kW
COP Tj = -7°C	3.09	2.17
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.88 kW	3.12 kW
COP Tj = +2°C	4.85	3.51
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.40 kW	2.09 kW
COP Tj = +7°C	6.63	4.54
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.39 kW	1.28 kW
COP Tj = 12°C	7.83	5.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.03 kW	5.05 kW
COP Tj = Tbiv	3.09	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.36 kW	4.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.45 kW	1.18 kW
Annual energy consumption Qhe	2846 kWh	3341 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.18 kW	6.70 kW
SEER	4.75	8.44
Pdc Tj = 35°C	7.18 kW	6.70 kW
EER Tj = 35°C	3.01	4.95
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	5.21 kW	4.93 kW
EER Tj = 30°C	4.47	7.22
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	3.42 kW	3.51 kW
EER Tj = 25°C	5.21	9.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	1.51 kW	1.43 kW
EER Tj = 20°C	5.68	12.89
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W

PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	907 kWh	477 kWh

Model ALYA 6M H WH-A		
Model name	ALYA 6M H WH-A	
Application	Heating (medium temp)	
Units	Indoor, Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C	
Any additional heat sources	n/a	
General data		
Power supply	n/a	
Off-peak product	n/a	
Outdoor 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	6.20 kW	6.00 kW
El input	1.24 kW	2.00 kW
COP	5.00	3.00
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Sound power level indoor	33 dB(A)	33 dB(A)
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EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	195 %	138 %
Prated	6.82 kW	5.70 kW
SCOP	4.95	3.52
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	6.03 kW	5.05 kW
COP Tj = -7°C	3.09	2.17
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.88 kW	3.12 kW
COP Tj = +2°C	4.85	3.51
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.40 kW	2.09 kW
COP Tj = +7°C	6.63	4.54
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.39 kW	1.28 kW
COP Tj = 12°C	7.83	5.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.03 kW	5.05 kW
COP Tj = Tbiv	3.09	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.36 kW	4.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	65 °C	65 °C
Poff	14 W	14 W
PTO	24 W	24 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.45 kW	1.18 kW
Annual energy consumption Qhe	2846 kWh	3341 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.18 kW	6.70 kW
SEER	4.75	8.44
Pdc Tj = 35°C	7.18 kW	6.70 kW
EER Tj = 35°C	3.01	4.95
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	5.21 kW	4.93 kW
EER Tj = 30°C	4.47	7.22
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	3.42 kW	3.51 kW
EER Tj = 25°C	5.21	9.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	1.51 kW	1.43 kW
EER Tj = 20°C	5.68	12.89
Cdc Tj = 20 °C	0.900	0.900
Poff	14 W	14 W

PTO	10 W	10 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	907 kWh	477 kWh