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#### **Login**

Summary of	ALYA 4M FS	Reg. No.	21HK0015/00
Certificate Holder	Certificate Holder		
Name	BAXI S.p.A.		
Address	Via Trozzetti, 20	Zip	
City	Bassano del Grappa (VI)	Country	Italy
Certification Body	Kiwa Nederland B.V.	Kiwa Nederland B.V.	
Subtype title	ALYA 4M FS		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.2 kg		
Certification Date	12.11.2021	12.11.2021	
Testing basis	European KEYMARK Scheme for Heat Pumps (v9)		

# Model: AWHP 4 MR + SYSMGR ALYA 4-8M E FS

Configure model		
Model name	AWHP 4 MR + SYSMGR ALYA 4-8M E FS	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C		

General Data		
Power supply	1x230V 50Hz	

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.60 kW	4.10 kW
El input	0.88 kW	1.55 kW
COP	5 20	2 65

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

# Cooling





EN 14511-2		
+7°C/+12°C +18°C/+23°C		
El input	1.33 kW	1.16 kW
Cooling capacity	4.50	6.00
EER	3.39	5.18

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.50 kW	6.00 kW
SEER	4.61	7.99
Pdc Tj = 35°C	4.50 kW	6.00 kW
EER Tj = 35°C	3.39	5.18
Pdc Tj = 30°C	3.32 kW	4.50 kW
EER Tj = 30°C	3.97	7.09
Cdc	0.990	0.980
Pdc Tj = 25°C	2.30 kW	2.80 kW
EER Tj = 25°C	5.23	9.20
Cdc	0.980	0.950
Pdc Tj = 20°C	1.85 kW	2.85 kW
EER Tj = 20°C	6.40	12.23
Cdc	0.950	0.940
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	586 kWh	450 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	134 %
Prated	5.00 kW	5.00 kW
SCOP	4.48	3.43
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.50 kW
COP Tj = -7°C	3.18	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	4.44	3.39
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	1.75 kW	1.74 kW
COP Tj = +7°C	5.37	4.44
Cdh Tj = +7 °C	0.970	0.970

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2.70 kW	2.10 kW
8.78	7.29
0.960	0.960
5.00 kW	4.50 kW
3.00	2.15
5.00 kW	4.30 kW
3.00	1.83
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.70 kW
2305 kWh	3009 kWh
	8.78  0.960  5.00 kW  3.00  5.00 kW  3.00  0.990  60 °C  15 W  15 W  0 W  Electricity  0.00 kW

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	133 %
СОР	3.17
Heating up time	1:37 h:min
Standby power input	27.9 W
Reference hot water temperature	53.8 °C
Mixed water at 40°C	255 I



# Model: AWHP 4 MR + SYSMGR ALYA 4-8M H FS

Configure model	
Model name	AWHP 4 MR + SYSMGR ALYA 4-8M H FS
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C	

General Data		
Power supply n/a		

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.60 kW	4.10 kW	
El input	0.88 kW	1.55 kW	
СОР	5.20	2.65	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

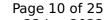
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	1.33 kW	1.16 kW	
Cooling capacity	4.50	6.00	
EER	3.39	5.18	

#### EN 14825





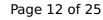
	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.50 kW	6.00 kW
SEER	4.61	7.99
Pdc Tj = 35°C	4.50 kW	6.00 kW
EER Tj = 35°C	3.39	5.18
Pdc Tj = 30°C	3.32 kW	4.50 kW
EER Tj = 30°C	3.97	7.09
Cdc	0.990	0.980
Pdc Tj = 25°C	2.30 kW	2.80 kW
EER Tj = 25°C	5.23	9.20
Cdc	0.980	0.950
Pdc Tj = 20°C	1.85 kW	2.85 kW
EER Tj = 20°C	6.40	12.23
Cdc	0.950	0.940
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	586 kWh	450 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	134 %
Prated	5.00 kW	5.00 kW
SCOP	4.48	3.43
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.50 kW
COP Tj = -7°C	3.18	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	4.44	3.39
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	1.75 kW	1.74 kW
COP Tj = +7°C	5.37	4.44
Cdh Tj = +7 °C	0.970	0.970

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Pdh Tj = 12°C	2.70 kW	2.10 kW
COP Tj = 12°C	8.78	7.29
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	5.00 kW	4.50 kW
COP Tj = Tbiv	3.00	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.00 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.00	1.83
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2305 kWh	3009 kWh

## Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	133 %
СОР	3.17
Heating up time	1:37 h:min
Standby power input	27.9 W
Reference hot water temperature	53.8 °C
Mixed water at 40°C	255 I

# Model: AWHP 4 MR + SYSMGR ALYA 4-8M E FS

Configure model		
Model name   AWHP 4 MR + SYSMGR ALYA 4-8M E FS		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C		

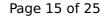
General Data		
Power supply n/a		

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.60 kW	4.10 kW	
El input	0.88 kW	1.55 kW	
СОР	5.20	2.65	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

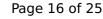
# Cooling





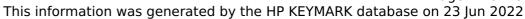
EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	1.33 kW	1.16 kW
Cooling capacity	4.50	6.00
EER	3.39	5.18

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	4.50 kW	6.00 kW
SEER	4.61	7.99
Pdc Tj = 35°C	4.50 kW	6.00 kW
EER Tj = 35°C	3.39	5.18
Pdc Tj = 30°C	3.32 kW	4.50 kW
EER Tj = 30°C	3.97	7.09
Cdc	0.990	0.980
Pdc Tj = 25°C	2.30 kW	2.80 kW
EER Tj = 25°C	5.23	9.20
Cdc	0.980	0.950
Pdc Tj = 20°C	1.85 kW	2.85 kW
EER Tj = 20°C	6.40	12.23
Cdc	0.950	0.940
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	586 kWh	450 kWh

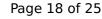




EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	134 %
Prated	5.00 kW	5.00 kW
SCOP	4.48	3.43
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.40 kW	4.50 kW
COP Tj = -7°C	3.18	2.15
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.70 kW	2.70 kW
COP Tj = +2°C	4.44	3.39
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	1.75 kW	1.74 kW
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2.70 kW	2.10 kW
8.78	7.29
0.960	0.960
5.00 kW	4.50 kW
3.00	2.15
5.00 kW	4.30 kW
3.00	1.83
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.70 kW
2305 kWh	3009 kWh
	8.78  0.960  5.00 kW  3.00  5.00 kW  3.00  0.990  60 °C  15 W  15 W  0 W  Electricity  0.00 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	М	
Efficiency ηDHW	127 %	
СОР	2.98	
Heating up time	1:39 h:min	
Standby power input	20.9 W	
Reference hot water temperature	53.8 °C	
Mixed water at 40°C	260 I	



# Model: AWHP 4 MR + SYSMGR ALYA 4-8M H FS

Configure model		
Model name AWHP 4 MR + SYSMGR ALYA 4-8M H FS		
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional) +7°C/12°C and +18°C/+23°C		

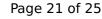
General Data		
Power supply	n/a	

## Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	4.60 kW	4.10 kW	
El input	0.88 kW	1.55 kW	
СОР	5.20	2.65	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

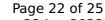
# Cooling





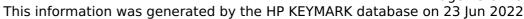
EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	1.33 kW	1.16 kW	
Cooling capacity	4.50	6.00	
EER	3.39	5.18	

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
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EER Tj = 35°C	3.39	5.18
Pdc Tj = 30°C	3.32 kW	4.50 kW
EER Tj = 30°C	3.97	7.09
Cdc	0.990	0.980
Pdc Tj = 25°C	2.30 kW	2.80 kW
EER Tj = 25°C	5.23	9.20
Cdc	0.980	0.950
Pdc Tj = 20°C	1.85 kW	2.85 kW
EER Tj = 20°C	6.40	12.23
Cdc	0.950	0.940
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	586 kWh	450 kWh





EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	29 dB(A)	29 dB(A)		
Sound power level outdoor	56 dB(A)	56 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	176 %	134 %	
Prated	5.00 kW	5.00 kW	
SCOP	4.48	3.43	
Tbiv	-10 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.40 kW	4.50 kW	
$COPTj = -7^{\circ}C$	3.18	2.15	
Cdh Tj = -7 °C	0.990	0.990	
Pdh Tj = +2°C	2.70 kW	2.70 kW	
$COP Tj = +2^{\circ}C$	4.44	3.39	
Cdh Tj = +2 °C	0.990	0.990	
Pdh Tj = +7°C	1.75 kW	1.74 kW	
$COP Tj = +7^{\circ}C$	5.37	4.44	
Cdh Tj = +7 °C	0.970	0.970	

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2.70 kW	2.10 kW
8.78	7.29
0.960	0.960
5.00 kW	4.50 kW
3.00	2.15
5.00 kW	4.30 kW
3.00	1.83
0.990	0.990
60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
0 W	0 W
Electricity	Electricity
0.00 kW	0.70 kW
2305 kWh	3009 kWh
	8.78  0.960  5.00 kW  3.00  5.00 kW  3.00  0.990  60 °C  15 W  15 W  0 W  Electricity  0.00 kW

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	М	
Efficiency ηDHW	127 %	
СОР	2.98	
Heating up time	1:39 h:min	
Standby power input	20.9 W	
Reference hot water temperature	53.8 °C	
Mixed water at 40°C	260 I	