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Summary of	ALYA 6/8M FS	Reg. No.	21HK0016/00
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.		
Subtype title	ALYA 6/8M FS	ALYA 6/8M FS	
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water	
Refrigerant	R32	R32	
Mass of Refrigerant	1.2 kg	1.2 kg	
Certification Date	12.11.2021	12.11.2021	
Testing basis	European KEYMARK Scheme for	European KEYMARK Scheme for Heat Pumps (v9)	

### Model: AWHPR 6 MR + SYSMGR ALYA 4-8M E FS

Configure model		
Model name	AWHPR 6 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	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
СОР	5.00	2.90

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

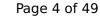
# Cooling





EN 14511-2		
+7°C/+12°C +18°C/+23°C		
El input	2.30 kW	1.43 kW
Cooling capacity	6.50	7.00
EER	2.83	4.88

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.95	5.99
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.83	4.88
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.99	6.65
Cdc	0.990	0.980
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.55	4.93
Cdc	0.980	0.980
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.96	9.48
Cdc	0.960	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	987 kWh	701 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	31 dB(A)	31 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.16	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = $+7^{\circ}$ C	2.30 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.960	0.970

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Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	128 %
СОР	3.07
Heating up time	01:32 h:min
Standby power input	28.3 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	255 I



### Model: AWHPR 6 MR + SYSMGR ALYA 4-8M H FS

Configure model		
Model name	AWHPR 6 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 1x230V 50Hz			

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
СОР	5.00	2.90

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

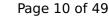
# Cooling





EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.30 kW	1.43 kW
Cooling capacity	6.50	7.00
EER	2.83	4.88

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.95	5.99
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.83	4.88
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.99	6.65
Cdc	0.990	0.980
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.55	4.93
Cdc	0.980	0.980
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.96	9.48
Cdc	0.960	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	987 kWh	701 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	31 dB(A)	31 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7$ °C	5.90 kW	5.50 kW
COP Tj = $-7^{\circ}$ C	3.16	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.960	0.970

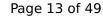
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Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	128 %	
СОР	3.07	
Heating up time	01:32 h:min	
Standby power input	28.3 W	
Reference hot water temperature	54.1 °C	
Mixed water at 40°C	255 I	

### Model: AWHPR 6 MR + SYSMGR ALYA 4-8M E FS

Configure model		
Model name	AWHPR 6 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	

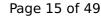
General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
СОР	5.00	2.90

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

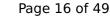
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.30 kW	1.43 kW	
Cooling capacity	6.50	7.00	
EER	2.83	4.88	

#### EN 14825





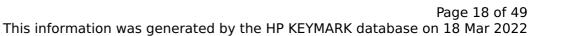
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.95	5.99
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.83	4.88
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.99	6.65
Cdc	0.990	0.980
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.55	4.93
Cdc	0.980	0.980
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.96	9.48
Cdc	0.960	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	987 kWh	701 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	31 dB(A)	31 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.16	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.30 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.960	0.970

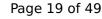
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Pdh Tj = 12°C	2.50 kW	2.50 kW
COP Tj = 12°C	6.92	6.58
Cdh Tj = +12 °C	0.960	0.970
Pdh Tj = Tbiv	6.50 kW	5.50 kW
COP Tj = Tbiv	2.68	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.50 kW	5.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.70 kW
Annual energy consumption Qhe	2986 kWh	3679 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	М
Efficiency ηDHW	122 %
СОР	2.88
Heating up time	01:32 h:min
Standby power input	20.4 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	261

### Model: AWHPR 6 MR + SYSMGR ALYA 4-8M H FS

Configure model		
Model name AWHPR 6 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		

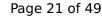
General Data		
Power supply	1x230V 50Hz	

### Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	6.40 kW	5.70 kW
El input	1.28 kW	1.97 kW
СОР	5.00	2.90

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

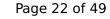
# Cooling





EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.30 kW	1.43 kW	
Cooling capacity	6.50	7.00	
EER	2.83	4.88	

#### EN 14825





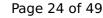
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.00 kW
SEER	3.95	5.99
Pdc Tj = 35°C	6.50 kW	7.00 kW
EER Tj = 35°C	2.83	4.88
Pdc Tj = 30°C	4.90 kW	5.39 kW
EER Tj = 30°C	3.99	6.65
Cdc	0.990	0.980
Pdc Tj = 25°C	3.10 kW	3.32 kW
EER Tj = 25°C	4.55	4.93
Cdc	0.980	0.980
Pdc Tj = 20°C	1.37 kW	1.78 kW
EER Tj = 20°C	3.96	9.48
Cdc	0.960	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
РСК	o w	o w
Annual energy consumption Qce	987 kWh	701 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	31 dB(A)	31 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	177 %	132 %
Prated	6.50 kW	6.00 kW
SCOP	4.50	3.37
Tbiv	-10 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.90 kW	5.50 kW
COP Tj = -7°C	3.16	2.22
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2$ °C	3.50 kW	3.40 kW
COP Tj = +2°C	4.48	3.37
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = $+7^{\circ}$ C	2.30 kW	2.10 kW
COP Tj = +7°C	5.61	4.07
Cdh Tj = +7 °C	0.960	0.970

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· ·	
2.50 kW	2.50 kW
6.92	6.58
0.960	0.970
6.50 kW	5.50 kW
2.68	2.22
6.50 kW	5.30 kW
2.68	1.82
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
2986 kWh	3679 kWh
	6.92  0.960  6.50 kW  2.68  6.50 kW  2.68  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	122 %
СОР	2.88
Heating up time	01:32 h:min
Standby power input	20.4 W
Reference hot water temperature	54.2 °C
Mixed water at 40°C	261

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

Configure model		
Model name AWHPR 8 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	7.67 kW	8.18 kW	
El input	1.62 kW	2.88 kW	
СОР	4.73	2.84	

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

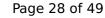
# Cooling





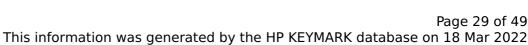
EN 14511-2			
+7°C/+12°C +18°C/+23°C			
El input	2.33 kW	1.45 kW	
Cooling capacity	6.50	7.10	
EER	2.79	4.88	

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
Cdc	0.990	0.990
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.74	5.26
Cdc	0.980	0.980
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	5.50	7.40
Cdc	0.950	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	904 kWh	732 kWh

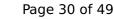


EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	32 dB(A)	32 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

CEN heat pump KEYMARK

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.06 kW	6.19 kW
COP Tj = -7°C	2.97	1.95
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = $+2^{\circ}$ C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
$COP Tj = +7^{\circ}C$	5.70	4.10
Cdh Tj = +7 °C	0.970	0.970

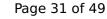
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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	6.06 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	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	0.36 kW	2.10 kW
Annual energy consumption Qhe	3225 kWh	4504 kWh

### Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	125 %	
СОР	2.99	
Heating up time	01:41 h:min	
Standby power input	30.0 W	
Reference hot water temperature	54.9 °C	
Mixed water at 40°C	264 I	

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

Configure model		
Model name AWHPR 8 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 1x230V 50Hz		

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.67 kW	8.18 kW	
El input	1.62 kW	2.88 kW	
СОР	4.73	2.84	

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

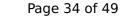




EN 14511-2		
	+7°C/+12°C	+18°C/+23°C
El input	2.33 kW	1.45 kW
Cooling capacity	6.50	7.10
EER	2.79	4.88

# EN 14825

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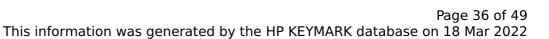
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
Cdc	0.990	0.990
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.74	5.26
Cdc	0.980	0.980
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	5.50	7.40
Cdc	0.950	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	904 kWh	732 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	32 dB(A)	32 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.06 kW	6.19 kW
COP Tj = -7°C	2.97	1.95
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
COP Tj = +7°C	5.70	4.10
Cdh Tj = +7 °C	0.970	0.970

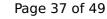
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Pdh Tj = 12°C	2.67 kW	2.55 kW
COP Tj = 12°C	7.80	6.10
Cdh Tj = +12 °C	0.960	0.960
Pdh Tj = Tbiv	6.06 kW	6.19 kW
COP Tj = Tbiv	2.97	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.64 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.58	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	60 °C	60 °C
Poff	15 W	15 W
РТО	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	0.36 kW	2.10 kW
Annual energy consumption Qhe	3225 kWh	4504 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	125 %
СОР	2.99
Heating up time	01:41 h:min
Standby power input	30.0 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	264 I



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

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

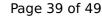
General Data		
Power supply 1x230V 50Hz		

### Heating

EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	7.67 kW	8.18 kW
El input	1.62 kW	2.88 kW
СОР	4.73	2.84

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		+18°C/+23°C
El input	2.33 kW	1.45 kW
Cooling capacity 6.50 7.10		7.10
EER	2.79	4.88

#### EN 14825





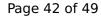
	+7°C/+12°C	+18°C/+23°C
Pdesignc	6.50 kW	7.10 kW
SEER	4.32	5.82
Pdc Tj = 35°C	6.50 kW	7.10 kW
EER Tj = 35°C	2.79	4.88
Pdc Tj = 30°C	4.97 kW	5.65 kW
EER Tj = 30°C	3.96	6.71
Cdc	0.990	0.990
Pdc Tj = 25°C	3.35 kW	3.18 kW
EER Tj = 25°C	4.74	5.26
Cdc	0.980	0.980
Pdc Tj = 20°C	1.55 kW	1.67 kW
EER Tj = 20°C	5.50	7.40
Cdc	0.950	0.930
Poff	15 W	15 W
РТО	15 W	15 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	904 kWh	732 kWh



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	32 dB(A)	32 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	176 %	125 %
Prated	7.00 kW	7.00 kW
SCOP	4.48	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.06 kW	6.19 kW
COP Tj = -7°C	2.97	1.95
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	4.12 kW	3.79 kW
COP Tj = +2°C	4.46	3.24
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.78 kW	2.49 kW
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Cdh Tj = +7 °C	0.970	0.970

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2.67 kW	2.55 kW
7.80	6.10
0.960	0.960
6.06 kW	6.19 kW
2.97	1.95
6.64 kW	4.90 kW
2.58	1.66
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
0.36 kW	2.10 kW
3225 kWh	4504 kWh
	7.80  0.960  6.06 kW  2.97  6.64 kW  2.58  0.990  60 °C  15 W  15 W  15 W  0 W  Electricity  0.36 kW

### Domestic Hot Water (DHW)





EN 16147	
Declared load profile	М
Efficiency ηDHW	121 %
СОР	2.84
Heating up time	01:41 h:min
Standby power input	22.0 W
Reference hot water temperature	55.2 °C
Mixed water at 40°C	272

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

Configure model		
Model name AWHPR 8 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	1x230V 50Hz	

### Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	7.67 kW	8.18 kW	
El input	1.62 kW	2.88 kW	
СОР	4.73	2.84	

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	2.33 kW	1.45 kW
Cooling capacity	6.50	7.10
EER	2.79	4.88

#### EN 14825





	+7°C/+12°C	+18°C/+23°C
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PCK	o w	o w
Annual energy consumption Qce	904 kWh	732 kWh



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Cdh Tj = +7 °C	0.970	0.970

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60 °C	60 °C
15 W	15 W
15 W	15 W
15 W	15 W
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Electricity	Electricity
0.36 kW	2.10 kW
3225 kWh	4504 kWh
	7.80  0.960  6.06 kW  2.97  6.64 kW  2.58  0.990  60 °C  15 W  15 W  15 W  0 W  Electricity  0.36 kW

Domestic Hot Water (DHW)





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Declared load profile	M	
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