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Login

Summary of	Samsung EHS R32 Mono 8kW (space heating/ 260L)	Reg. No.	011-1W0450	
Certificate Holder	Certificate Holder			
Name	Samsung Electronics Air Conditioner Europe B.V.			
Address	Evert van de Beekstraat 310	Zip	1118 CX	
City	Schiphol	Country	Netherlands	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	Samsung EHS R32 Mono 8kW (space heating/ 260L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R32			
Mass of Refrigerant	1.15 kg			
Certification Date	26.01.2021			
Testing basis	HP KEYMARK certification scheme rules V7			

Model: AE080RXYDEG/EU & AE260RNWMEG/EU

Configure model		
Model name AE080RXYDEG/EU & AE260RNWMEG/EU		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility Yes		
Cooling mode application (optional) n/a		

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	7.10 kW
El input	1.77 kW	2.53 kW
СОР	4.52	2.81

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	126 %
Prated	8.00 kW	8.00 kW
SCOP	4.44	3.23
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.63	1.90
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.24	3.11
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	3.10 kW	2.80 kW
COP Tj = +7°C	6.39	4.55
Cdh Tj = +7 °C	0.90	0.90

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Pdh Tj = 12°C	2.60 kW	2.40 kW
COP Tj = 12°C	8.22	5.77
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.10 kW	7.10 kW
COP Tj = Tbiv	2.63	1.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.00 kW	6.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.48	1.66
WTOL	65 °C	65 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.20 kW
Annual energy consumption Qhe	3719 kWh	5113 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	XL	
Efficiency ηDHW	123 %	
СОР	2.85	
Heating up time	2:25 h:min	
Standby power input	65.0 W	
Reference hot water temperature	52.0 °C	
Mixed water at 40°C	290	



Model: AE080RXYDGG/EU & MIM-E03CN

Configure model		
Model name AE080RXYDGG/EU & MIM-E03CN		
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	8.00 kW	7.10 kW
El input	1.77 kW	2.53 kW
СОР	4.52	2.81

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



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COP Tj = +2°C	4.24	3.11
Cdh Tj = +2 °C	0.90	0.90
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7.00 kW	6.80 kW
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65 °C	65 °C
22 W	22 W
22 W	22 W
22 W	22 W
0 W	0 W
Electricity	Electricity
1.00 kW	1.20 kW
3719 kWh	5113 kWh
	0.90 7.10 kW 2.63 7.00 kW 2.48 65 °C 22 W 22 W 22 W 0 W Electricity 1.00 kW



Model: AE080RXYDGG/EU & AE260RNWMGG/EU

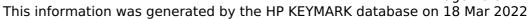
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Model name	AE080RXYDGG/EU & AE260RNWMGG/EU	
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

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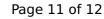




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