

Summary of	Samsung EHS R32 Split 9kW (space heating/260L)	Reg. No.	011-1W0455
Certificate Holder			
Name	Samsung Electronics Air Conditioner Europe B.V.		
Address	Evert van de Beekstraat 310 Zip 1118 CX		1118 CX
City	Schiphol	Country	Netherlands
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Samsung EHS R32 Split 9kW (space heating/260L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass Of Refrigerant	1.4 kg		
Certification Date	26.01.2021		
Testing basis	HP KEYMARK certification scheme rules V7		

Model: AE090RXEDEG/EU & AE260RNWSEG/EU

General Data	
Power supply 1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	9.00 kW	8.00 kW
El input	1.87 kW	2.73 kW
СОР	4.81	2.93
Indoor water flow rate	1.56 m³/h	0.86 m³/h

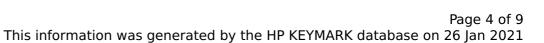
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	175 %	127 %
Prated	9.00 kW	8.00 kW
SCOP	4.45	3.24
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	7.10 kW
COP Tj = -7°C	2.64	1.76
Cdh	0.90	0.90
Pdh Tj = +2°C	4.60 kW	4.30 kW
COP Tj = +2°C	4.17	3.23
Cdh	0.90	0.90
Pdh Tj = +7°C	2.90 kW	2.80 kW
COP Tj = +7°C	6.53	4.62
Cdh	0.90	0.90

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Pdh Tj = 12°C	2.70 kW	2.60 kW
COP Tj = 12°C	8.87	5.88
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.50 kW	7.10 kW
COP Tj = Tbiv	2.64	1.76
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	4.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.32	1.35
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	Electrical	Electrical
Supplementary Heater: PSUP	2.30 kW	3.10 kW
Annual energy consumption Qhe	3949 kWh	5103 kWh

Domestic Hot Water (DHW)





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EN 16147		
Declared load profile	XL	
Efficiency ηDHW	123 %	
СОР	2.85	
Heating up time	1:35 h:min	
Standby power input	62.0 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	290 I	

Model: AE090RXEDGG/EU & AE260RNWSGG/EU

General Data	
Power supply 3x400V 50Hz	

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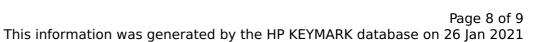
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СОР	2.85		
Heating up time	1:35 h:min		
Standby power input	62.0 W		
Reference hot water temperature	50.5 °C		
Mixed water at 40°C	290 l		