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### This information was generated by the HP KEYMARK database on 18 Mar 2022

#### **Login**

Summary of	Samsung EHS R32 Split 9kW (space heating/260L)	Reg. No.	011-1W0455	
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 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			



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# Model: AE090RXEDEG/EU & AE260RNWSEG/EU

Configure model		
Model name AE090RXEDEG/EU & AE260RNWSEG/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	9.00 kW	8.00 kW
El input	1.87 kW	2.73 kW
СОР	4.81	2.93

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

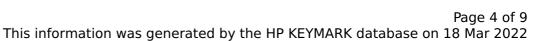


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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 = $-7^{\circ}$ C	2.64	1.76
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	4.60 kW	4.30 kW
COP Tj = +2°C	4.17	3.23
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	2.90 kW	2.80 kW
COP Tj = +7°C	6.53	4.62
Cdh Tj = +7 °C	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 Tj = +12 °C	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	Electricity	Electricity
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 l	



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# Model: AE090RXEDGG/EU & AE260RNWSGG/EU

Configure model		
Model name AE090RXEDGG/EU & AE260RNWSGG/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		

## 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

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

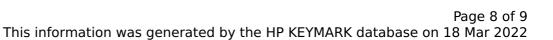


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Sound power level outdoor	64 dB(A)	64 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	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 Tj = -7 °C	0.90	0.90	
Pdh Tj = +2°C	4.60 kW	4.30 kW	
COP Tj = +2°C	4.17	3.23	
Cdh Tj = +2 °C	0.90	0.90	
Pdh Tj = +7°C	2.90 kW	2.80 kW	
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WTOL	65 °C	65 °C
Poff	22 W	22 W
РТО	22 W	22 W
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PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.30 kW	3.10 kW
Annual energy consumption Qhe	3949 kWh	5103 kWh

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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 l	