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Summary of	Samsung EHS R32 Split 9kW (space heating/200L)	Reg. No.	011-1W0454
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/200L)		
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 & AE200RNWSEG/EU

General Data		
Power supply	1x230V 50Hz	

Heating

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 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	

Average Climate

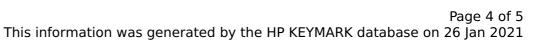


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
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)

CEN heat pump KEYMARK

Average Climate



225 I



Mixed water at 40°C

This information was generated by the HP KEYMARK database on 26 Jan 2021 **EN 16147** Declared load profile 119 % Efficiency ηDHW COP 2.92 2:00 h:min Heating up time Standby power input 58.0 W 52.1 °C Reference hot water temperature