

This information was downloaded from the HP KEYMARK database on 9 Apr 2020

Summary of	Samsung EHS R32 Mono 8kW (space heating/ 200L)	Reg. No.	007-CU0102
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	Kiwa Nederland B.V.		
Name of testing laboratory	Kiwa Nederland B.V.		
Subtype title	Samsung EHS R32 Mono 8kW (space heating/ 200L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	HFC-32		
Mass Of Refrigerant	1.15 kg		
Certification Date	29.11.2019		
Testing basis	n/a		

Model: AE080RXYDEG/EU & AE200RNWMEG/EU

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.00 kW	7.10 kW
El input	1.77 kW	2.53 kW
COP	4.52	2.81
Indoor water flow rate	1.39 m ³ /h	0.77 m ³ /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

Average Climate

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	0.90	0.90
Pdh Tj = +2 °C	4.31 kW	4.31 kW
COP Tj = +2 °C	4.24	3.11
Cdh	0.90	0.90
Pdh Tj = +7 °C	3.10 kW	2.80 kW
COP Tj = +7 °C	6.39	4.55

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Cdh	0.90	0.90
Pdh Tj = 12 °C	2.60 kW	2.40 kW
COP Tj = 12 °C	8.22	5.77
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.10 kW	7.10 kW
COP Tj = Tbiv	2.63	1.90
Pdh Tj = TOL	7.00 kW	6.80 kW
COP Tj = TOL	2.48	1.66
WTOL	65 °C	65 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	2.00 kW	2.00 kW
Annual energy consumption Qhe	3719 kWh	5113 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	115 %
COP	2.85
Heating up time	2:00 h:min
Standby power input	60.0 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	225 l

Model: AE080RXYDEG/EU & MIM-E03CN

General Data

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Heating

EN 14511-2

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EN 14511-4

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