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Login

Summary of	Samsung EHS R32 Split 4kW & 6kW (space heating/260L)	Reg. No.	011-1W0452
Certificate Holder			
Name	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 4kW & 6kW (space heating/260L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	t 1.2 kg		
Certification Date	26.01.2021		
Testing basis	HP KEYMARK certification scheme rules V7		

Model: AE040RXEDEG/EU & AE260RNWSEG/EU

Configure model		
Model name AE040RXEDEG/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	4.40 kW	3.90 kW
El input	0.85 kW	1.32 kW
СОР	5.20	2.95

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

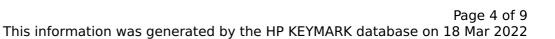


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EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	58 dB(A)	58 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	180 %	127 %
Prated	5.00 kW	5.00 kW
SCOP	4.58	3.25
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.42 kW	4.42 kW
COP Tj = -7°C	3.02	2.10
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.69 kW	2.69 kW
COP Tj = +2°C	4.63	3.10
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.73 kW	1.73 kW
COP Tj = +7°C	6.48	4.46
Cdh Tj = +7 °C	0.90	0.90

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Pdh Tj = 12°C	1.96 kW	1.93 kW
COP Tj = 12°C	4.88	5.72
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.42 kW	4.42 kW
COP Tj = Tbiv	3.02	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.48 kW	4.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.24	1.51
WTOL	65 °C	65 °C
Poff	22 W	22 W
РТО	22 W	22 W
PSB	22 W	22 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.52 kW	0.83 kW
Annual energy consumption Qhe	2253 kWh	3178 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	123 %	
СОР	2.85	
Heating up time	2:50 h:min	
Standby power input	60.0 W	
Reference hot water temperature	52.0 °C	
Mixed water at 40°C	290 I	



Model: AE060RXEDEG/EU & AE260RNWSEG/EU

Configure model		
Model name AE060RXEDEG/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	6.00 kW	5.20 kW
El input	1.22 kW	1.81 kW
СОР	4.92	2.87

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

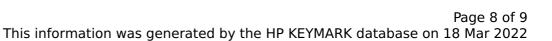


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EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	40 dB(A)	40 dB(A)		
Sound power level outdoor	60 dB(A)	60 dB(A)		

EN 14825			
	Low temperature	Medium temperature	
η_{s}	180 %	129 %	
Prated	6.00 kW	6.00 kW	
SCOP	4.58	3.31	
Tbiv	-7 °C	-7 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	5.31 kW	5.31 kW	
COP Tj = -7°C	2.75	2.00	
Cdh Tj = -7 °C	0.90	0.90	
Pdh Tj = +2°C	3.23 kW	3.23 kW	
COP Tj = +2°C	4.50	3.23	
Cdh Tj = +2 °C	0.90	0.90	
Pdh Tj = +7°C	2.08 kW	2.08 kW	
COP Tj = +7°C	6.25	4.47	
Cdh Tj = +7 °C	0.90	0.90	

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Pdh Tj = 12°C	1.96 kW	1.93 kW
COP Tj = 12°C	7.57	5.72
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	5.31 kW	5.31 kW
COP Tj = Tbiv	2.75	2.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.24 kW	4.95 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.55	1.80
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	0.76 kW	1.05 kW
Annual energy consumption Qhe	2705 kWh	3745 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	XL	
Efficiency ηDHW	123 %	
СОР	2.85	
Heating up time	2:50 h:min	
Standby power input	60.0 W	
Reference hot water temperature	52.0 °C	
Mixed water at 40°C	290	