





Samsung EHS Mono R32 - 12kW

The EHS Mono can be used with the Samsung ClimateHub or connected to third party equipment such as a Domestic Hot Water (DHW) Tank thanks to the Samsung Mono control kit.

A+++ **A++**

Indoor Units			Available Samsung product range			Controls		
Indoor Units			Outdoor Units			Controls		
Tank Integrated Hydro Unit	Wall-Mounted Hydro Unit	Third party DHW Tank	R32	R410A	Wireless	Wired	Centralised	
Wall-Mounted	Duct	Console			Mono Control Kit	Wi-Fi Kit		

The SmartThings App can make any home a Smart Home with a simple click. The SmartThings App provides connectivity with the EHS heat pumps, WindFree™ air conditioners and Samsung audio/video appliances and devices through home Wi-Fi.

Specifications

Outdoor Unit				AE120RXYDEG/EU		AE120RXYDGG/EU	
Control Kit				MIM-E03CN		MIM-E03CN	
System	Operation	Nominal Capacity	Heating A7/W35 ¹ / A7/W55 ²	kW	12.0/11.3	12.0/11.3	
			Cooling A35/W18 ¹	kW	12.0	12.0	
		Power Input (Nominal)	Heating A7/W35 ¹ / A7/W55 ²	kW	2.65/3.73	2.65/3.73	
			Cooling A35/W18 ¹	kW	2.77	2.77	
		COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²	W/W	4.55/3.03	4.55/3.03		
		EER (Nominal Cooling) A35/W18 ¹	W/W	4.33	4.33		
		SCOP LWT 35°C/55°C	W/W	4.69/3.51	4.69/3.51		
		Seasonal space heating enr. efficiency η _s LWT 35°C/ 55°C	ETA%	185/138	185/138		
		Seasonal space heating eff. class [*] LWT 35°C/ 55°C	-	A+++ / A++	A+++ / A++		
		Current	MCA	A	28.00	10.00	
			MFA	A	35.00	16.10	
		Leaving Water Temperature ³	Heating	°C	15-65	15-65	
			Cooling	°C	5-25	5-25	
		Functions	Smart Grid Ready / PV Enabled	-	•	•	
			3-Step Quiet Mode	-	•	•	
2-zone Control	-		•	•			
Outdoor Unit	Power Supply	Φ, V, Hz	1Φ, 220-240 V, 50 Hz	3Φ, 380-415 V, 50 Hz			
	Compressor	Type	-	BLDC Twin Rotary			
	Base Heater	Capacity	kW	0.15	0.15		
	Sound	Sound Pressure ⁴	Heating Std	dB(A)	50		
			Cooling Std	dB(A)	50		
	Sound Power	Heating Std	dB(A)	64	64		
			dB(A)	64	64		
	Dimensions	Net Weight	kg	110.0	111.0		
		Net Dimensions (WxHxD)	mm	940 x 1,420 x 330	940 x 1,420 x 330		
	Piping	Water Pipe	Inlet/ Outlet	Φ, mm	25/ 25		
	Refrigerant	Type	-	R32 (Fluorinated greenhouse gas, GWP=675)	R32 (Fluorinated greenhouse gas, GWP=675)		
		Factory Charging	tCO ₂ e	1.49	1.49		
			kg	2.20	2.20		
	Operation	Ambient Temperature	Heating	°C	-25-35		
			Cooling	°C	10-46		
DHW			°C	-25-43			

*A+++ energy label is available according to EU No. 811/2013 label classification 2019, on a scale from D to A+++

¹A2W Condition : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

²A2W Condition : (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°C[DB]/6°C[WB].

³65°C down to +10°C (max. 60°C down to -5°C)

⁴Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.



PV enabled & Smart Grid Ready

It optimises the self-consumption of electricity produced by photovoltaic panels. Connection is already prepared on the hydronic modules and in the ClimateHub and Samsung EHS systems.

