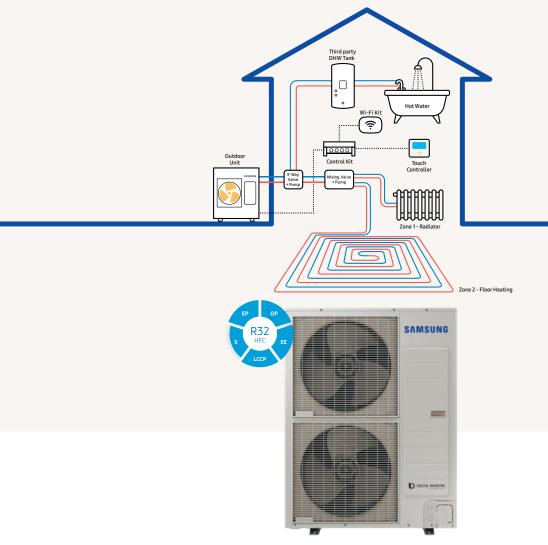
SAMSUNGClimate Solutions





SAMSUNG



Samsung EHS Mono R32 - 16kW

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.







Specifications

Outdoor Unit					AE160RXYDEG/EU	AE160RXYDGG/EU	
			Control Kit			MIM-E03CN	MIM-E03CN
System	Operation	Nominal	Heating A7/W35 ¹ / A7/W55 ²		kW	16.0/15.0	16.0/15.0
		Capacity	Cooling A35/W18 ¹		kW	14.0	14.0
		Power Input	Heating A7/W35 ¹ / A7/W55 ²		kW	3.62/5.18	3.62/5.18
		(Nominal)	Cooling A35/W18 ¹		kW	3.28	3.28
		COP (Nominal Heating) A7/W351 / A7/W552		W/W	4.42/2.90	4.42/2.90	
		EER (Nominal Cooling) A35/W18 ¹			W/W	4.27	4.27
		SCOP LWT 35°C/55°C			W/W	4.48/3.53	4.48/3.53
		Seasonal space heating enr.efficiency ηs LWT 35°C/ 55°C			ETA%	176/138	176/138
		Seasonal space heating eff. class* LWT 35°C/ 55°C			-	A+++ / A++	A+++ / A++
		Current		MCA	Α	32.00	12.00
				MFA	Α	40.00	16.10
		Leaving Water Ter	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	Power Supply			Ф, V, Hz	1Ф, 220~240 V, 50 Hz	3Ф, 380~415 V, 50 Hz
	Compressor	Туре			-	BLDC Twin Rotary	BLDC Twin Rotary
	Base Heater	Capacity			kW	0.15	0.15
	Sound	Sound Pressur	e ⁴	Heating Std	dB(A)	52	52
				Cooling Std	dB(A)	54	54
		Sound Power		Heating Std	dB(A)	66	66
	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	25/ 25
	Refrigerant	Туре				R32 (Fluorinated greenhouse gas, GWP=675)	R32 (Fluorinated greenhouse gas, GWP=675)
		Factory Charging		tCO₂e	1.49	1.49	
				kg	2.20	2.20	
	Operation	Ambient Temp	erature	Heating	°C	-25~35	-25~35
				Cooling	°C	10~46	10~46

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

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.

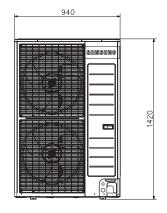


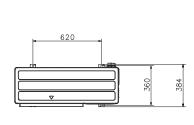


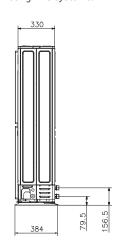


PV enabled & Smart Grid Ready

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.







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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)