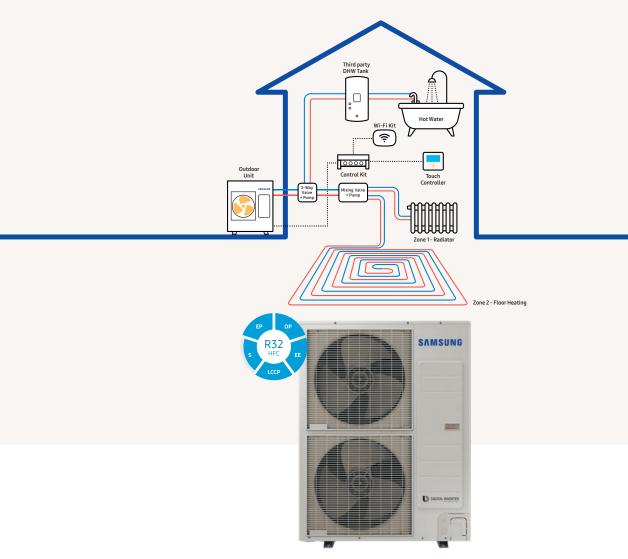
SAMSUNGClimate Solutions





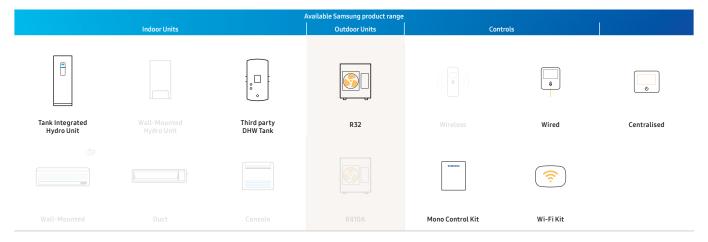
SAMSUNG



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.







Specifications

Capacity Cooling A35/W181 KW 12.0 12.0		Outdoor Unit					AE120RXYDEG/EU	AE120RXYDGG/EU
Power Pow				Control Kit			MIM-E03CN	MIM-E03CN
PowerInput	System	Operation		Heating A7/W35 ¹ / A7/W55 ²		kW	12.0/11.3	12.0/11.3
Part			Capacity	Cooling A35/W18 ¹		kW	12.0	12.0
Column Ass/wish				Heating A7/W351 / A7/W552		kW	2.65/3.73	2.65/3.73
Part			(Nominal)	Cooling A35/W18 ¹		kW	2.77	2.77
SCOP LWT 35°C/55°C			COP (Nominal Heating) A7/W35 ¹ / A7/W55 ²		W/W	4.55/3.03	4.55/3.03	
Seasonal space heating enr.efficiency ys by 185/138 185/138			EER (Nominal Cooling) A35/W18 ¹			W/W	4.33	4.33
Seasonal pace heating eff. class Current MCA			SCOP LWT 35°C/55°C			W/W	4.69/3.51	4.69/3.51
					ETA%	185/138	185/138	
MFA A 35.00 16.10 15.65 1						-	A+++ / A++	A+++ // A++
Position			Current		MCA	Α	28.00	10.00
Functions Smart Grid Ready / PV Enable - - -					MFA	Α	35.00	16.10
Functions Smart Grid Ready / PV Enable			Leaving Water Temperature	Temperature ³	Heating	°C	15~65	15~65
Power Supply					Cooling	°C	5~25	5~25
Power Supply		Functions	Smart Grid Ready / PV Enabled			-	•	•
Autdoor Unit Power Supply 0, V, Hz 10, 220-240 V, 50 Hz 30, 380-415 V, 50 Hz Compressor Type - BLDC Twin Rotary BLDC Twin Rotary Base Heater Capacity kW 0.15 0.15 Sound Sound Pressure4 Heating Std dB(A) 50 50 Sound Power Heating Std dB(A) 64 64 Dimensions Net Weight kg 110.0 111.0 Net Dimensions (WxHxD) mm 940 x1,420 x330 940 x1,420 x330 Piping Water Pipe Inlet/ Outlet 0, mm 25/25 25/25 Refrigerant Type CC02e 1.49 1.49 1.49 Refrigerant Type CC02e 1.49 1.49 1.49 Queration Ambient Temperature Heating °C -25-35 -25-35 -25-35 Cooling °C 10-46 10-46 10-46			3-Step Quiet Mode			-	•	•
Compressor Type - BLDC Twin Rotary BLDC Twin Rotary Base Heater Capacity kW 0.15 0.15 Sound Sound Pressure4 Heating Std dB(A) 50 50 Sound Power Heating Std dB(A) 64 64 Dimensions Net Weight kg 110.0 111.0 Net Dimensions (WxHxD) mm 940 x1,420 x330 940 x1,420 x330 Piping Water Pipe Inlet/ Outlet 0, mm 25/25 25/25 Refrigerant Type R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46			2-zone Control			-	•	•
Base Heater Capacity KW 0.15 0.15	Outdoor Unit	Power Supply				Ф, V, Hz	1Ф, 220~240 V, 50 Hz	3Ф, 380~415 V, 50 Hz
$ \begin{array}{ c c c c c } \hline Sound & Sound Pressure^4 & Heating Std & dB(A) & 50 & 50 \\ \hline & Cooling Std & dB(A) & 50 & 50 \\ \hline & Sound Power & Heating Std & dB(A) & 64 & 64 \\ \hline & Sound Power & Heating Std & dB(A) & 64 & 64 \\ \hline & Dimensions & Net Weight & kg & 110.0 & 1111.0 \\ \hline & Net Dimensions (WxHxD) & mm & 940 x 1,420 x 330 & 940 x 1,420 x 330 \\ \hline Piping & Water Pipe & Inlet/ Outlet & 0, mm & 25/25 & 25/25 \\ \hline & Refrigerant & Type & R32 (Fluorinated greenhouse gas, GWP=675) & R32 (Fluorinated greenhouse ga$		Compressor	Туре			-	BLDC Twin Rotary	BLDC Twin Rotary
		Base Heater	Capacity		kW	0.15	0.15	
Dimensions Net Weight kg 110.0 111.0 Piping Water Pipe Inlet/ Outlet 0, mm 940 x 1,420 x 330 940 x 1,420 x 330 Refrigerant Type R32 (Fluorinated greenhouse gas, GWP=67s) Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46		Sound	Sound Pressur	re ⁴	Heating Std	dB(A)	50	50
Dimensions Net Weight Net Dimensions (WxHxD) kg 110.0 1111.0 Piping Water Pipe Inlet/ Outlet Φ, mm 940 x1,420 x330 940 x1,420 x330 Refrigerant Factory Charging Type R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46					Cooling Std	dB(A)	50	50
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 Type R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhouse gas, GWP=675) Refrigerant Factory Charging tCO₂e 1,49 1,49 V Qperation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46			Sound Power		Heating Std	dB(A)	64	64
Piping Water Pipe Inlet/ Outlet Φ, mm 25/25 25/25 Refrigerant Type 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 Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46		Dimensions	Net Weight		kg	110.0	111.0	
Refrigerant Type R32 (Fluorinated greenhouse gas, GWP=675) R32 (Fluorinated greenhou			Net Dimensions (WxHxD)			mm	940 x 1,420 x 330	940 x 1,420 x 330
Pactory Charging tCO2e 1.49 1.49 kg 2.20 2.20 Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46		Piping	Water Pipe		Inlet/ Outlet	Ф, mm	25/ 25	25/ 25
Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46		Refrigerant	Туре			R32 (Fluorinated greenhouse gas, GWP=675)	R32 (Fluorinated greenhouse gas, GWP=675)	
Operation Ambient Temperature Heating °C -25-35 -25-35 Cooling °C 10-46 10-46			Factory Charg	Factory Charging		tCO₂e	1.49	1.49
Cooling °C 10-46 10-46						kg	2.20	2.20
		Operation	Ambient Temp	perature	Heating	°C	-25~35	-25~35
DHW °C -25-43 -25-43					Cooling	°C	10~46	10~46
					DHW	°C	-25~43	-25~43

^{*}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.

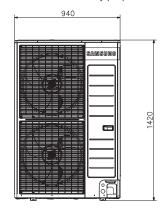


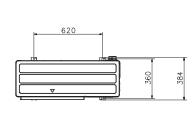


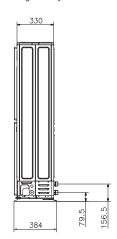


PV enabled & Smart Grid Ready

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)