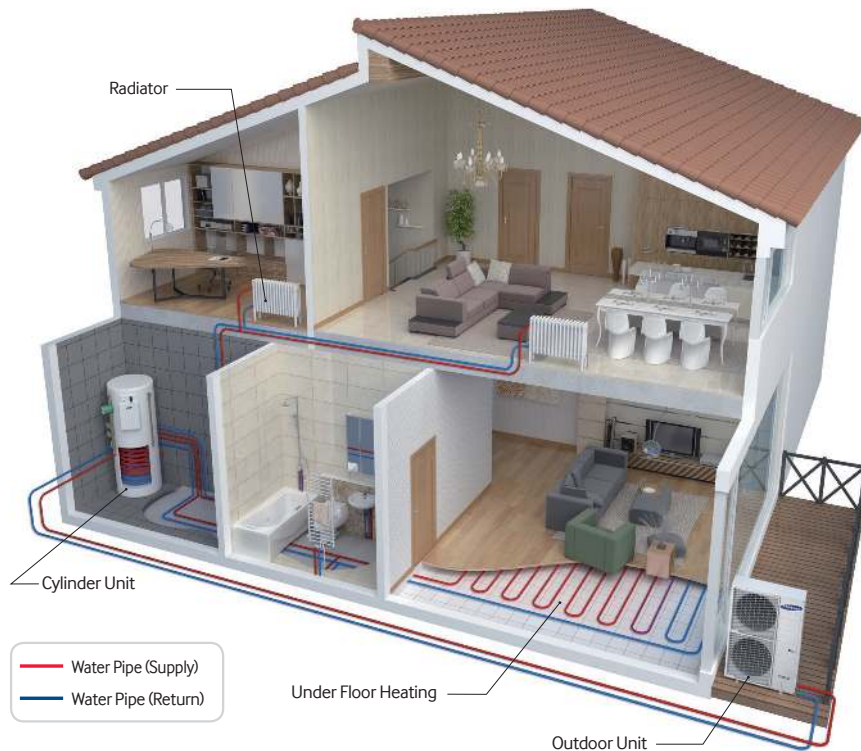


Eco Heating Systems

SAMSUNG

Monobloc Air Source Heat Pump

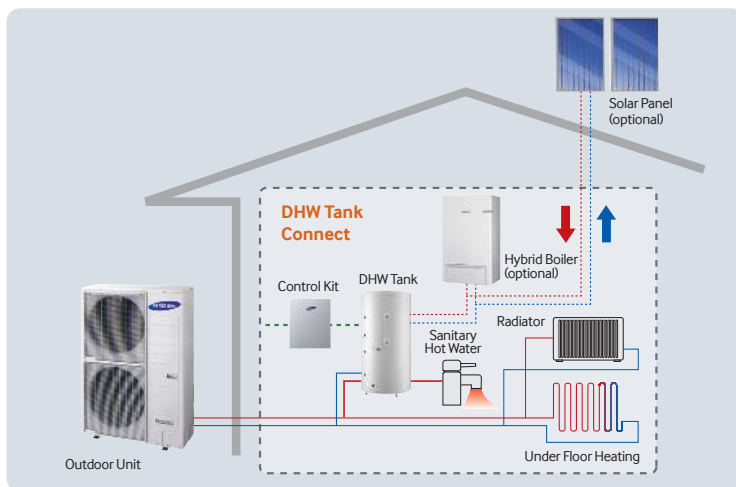
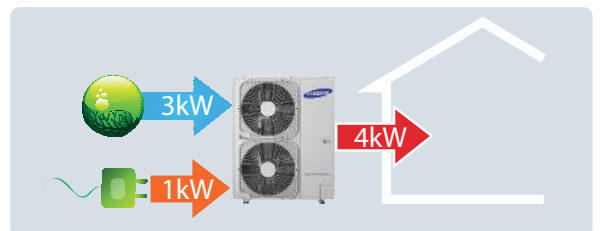


Heat your home using free energy from the outside air

The Samsung Eco Heating System utilises Heat Pump technology to use the heat energy from the ambient air, which is a free and renewable energy source, for low cost heating and hot water production.

Efficient heating

An efficient Heat Pump system provides efficient heating and domestic hot water throughout the year, even in ambient temperatures of -25°C .



Compact installation

The EHS Mono system utilises an outdoor unit, which combines the refrigerant and water circuits, removing the need for internal installation space. The compact size and low noise level of the outdoor unit provides an unobtrusive solution for domestic applications.

Hybrid capability

Available in a range of 5 outputs to suit most applications, the EHS Mono system includes flexible control options and Hybrid capability, whereby the system can be used in conjunction with Solar and/or Boiler installations.

Simple operation

The simple to operate, sophisticated EHS controller is designed to maximise the use of renewable energy for even greater running cost savings, especially when compared to inefficient oil, gas or electric heating systems.

Specification

EHS Mono



- A self-contained compact system
- 5, 9, 12, 14 & 16kW models
- Up to 4 x more efficient than gas boilers
- Hybrid capability (integrate with solar and/or boilers)
- Optional Wi-Fi control
- RHI eligible (subject to conditions)

Outdoor Units

Model Name				AE050JXYDEH	AE090JXYDEH	AE120JXYDEH	AE140JXYDEH	AE160JXYDEH
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance (A2W #1)	Nominal Capacity ^{*1)}	Heating	W	5,000	9,000	12,000	14,000	16,000
	Nominal Current Input ^{*1)}	Heating	A	5.1	9.2	12	14.3	17.1
	SCOP ^{*1)}		-	4.510	4.409	4.454	4.489	4.481
Electric Specification	Max current		A	16	22.0	28.0	30.0	32.0
Water side	Piping Connections	In/Out	Ø, inch	1"(BSPP)	1"(BSPP)	1"(BSPP)	1"(BSPP)	1"(BSPP)
Refrigerant Side	Refrigerant	Type	-	R410A(GWP>150)				
Sound	Sound Pressure ^{*3)}	Heating	dB(A)	45	48	50	51	52
	Sound Power		dB(A)	61	63	64	65	66
External Dimension	Weight	Net	kg	59	76	108	108	108
	Dimensions (WxHxD)	Net	mm	880x798x310	940x998x330	940x1,420x330	940x1,420x330	940x1,420x330
Operating Range	Leaving Water	Heating	°C	25~55	25~55	25~55	25~55	25~55

*1~2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages RS-6/C/001-2011.

*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB.

*3) Sound Pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Control Kit



Model Name				MIM-E03AN	MIM-E03BN
Use with			-	9,12,14&16kW mono	5kW mono
Power Supply			Ø, V, Hz	1, 220-240, 50	1, 220-240, 50
External Dimension	Weight	Net	kg	3.5	3.5
	Dimensions (WxHxD)	Net	mm	290x370x110	290x370x110

*External Control Options - 230V: (Max A)

Booster Heater (20A), hybrid (0.5A), water pump (2A), 2/3way valve (0.5A).

Thermostat (10mA), solar pump (10mA), Inverter pump (2A), 3way mixing valve (0.5A)

Wi-Fi Kit (MIM-H03N) optional accessory.

Control App available to download. (Phone not included.)

Wi-Fi Kit (MIM-H03N)



www.samsungehs.co.uk

SAMSUNG

Freedom Heat Pumps

Unit 2 Warrior Park,, Eagle Close,
Chandlers Ford, SO53 4NF