

Samsung EHS Monobloc GEN6

Air Source Heat Pump

While they were a relatively latecomer to the air source heat pump market in 2011, Samsung brought with them a solution to many of the problems that earlier manufacturers had encountered. Innovations such as commissioning information designed around a specific type of installation and an extremely lightweight chassis meant that installation and commissioning was some of the easiest ever seen from a heat pump.

The Samsung EHS GEN6 range has been designed with flexibility in mind. Installers have the capability to incorporate many different fuel sources, as well as the ability to cascade multiple units for a single installation. This means that no matter the complexity of the project, Samsung will offer a solution.

Technical Specification for the Samsung EHS

Model	AE050	AE080	AE120	AE160
Heating nominal capacity [kW] ¹⁾	5.00	8.00	12.00	16.00
Heating nominal power input [kW] ¹⁾	1.03	1.77	2.65	3.62
COP @ 35°C ¹⁾	4.85	4.52	4.53	4.42
Compressor type	BLDC Twin Rotary			
Refrigerant volume - R32 [kg]	1.00	1.15	2.20	2.20
Heating system required flow rate [l/m]	12	20	30	30
Operating temperature range [°C]	-25 to +35			
Piping connections	BSPP 1"			
Electricity supply	220-240V Single Phase			
Heat pump power supply [A]	16	20	32	32
Sound pressure [dBA] ²⁾	45	48	50	52
Sound power [dBA]	61	63	64	66
Dimensions (H x W x D) [mm]	798 x 880 x 310	998 x 940 x 330	1420 x 940 x 330	1420 x 940 x 330
Net Weight [kg]	58.5	76.0	110.0	110.0

¹⁾ A2W Condition #1: (Heating) Water in/out 30°C/35°C, Outdoor air 7°CDB/6°CDB

²⁾ Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Technical Specification for the Samsung EHS Control Kit



Model	MIM-E03CN
To use with	5, 8, 12, 16
Electricity supply	230V - 16 Amp
Dimensions (H x W x D) [mm]	439 x 329 x 168
Net weight [kg]	3.5