
2. Product Specifications

2-1 The Feature of Product

■ **Built-in Duct Type**

After installed, the air conditioner can be harmonized with a room interior.

■ **High Performance & Energy Saving**

With the advanced BLDC inverter technology, it makes a room cool with highly energy saving and arises the efficiency of air conditioner.

■ **Long Piping (Length & Height)**

It can give the benefit to the installers and arises the reliability of the air conditioner.

– EH035EAV : Max.20m Long & 12m Height

– EH052/070EAV : Max.30m Long & 15m Height

■ **Long Ambient Operation (In Low Temperature)**

It can arise the reliability and the capacity of the air conditioner, especially operated in low temperature.

■ **Eco-friendly Product (Lead-Free, RoHS, WEEE)**



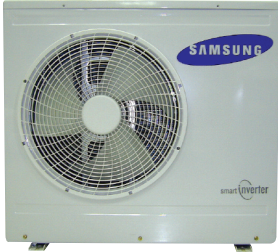
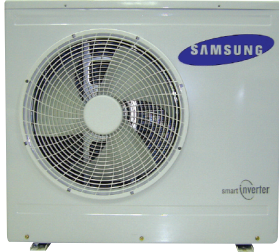
2-2 Product Specifications

Item				Model		EH035EAV1	
				Indoor Unit		Outdoor Unit	
Type				DUCT			
Performance	Cooling(Min/Std/Max)		kW		0.98/3.5/4.2		
	Heating(Min/Std/Max)		kW		0.98/4.0/5.2		
	Dehumidifying		l/h		1.6		
	Air Volumn	Cooling	m ³ /min (H/M/L)	11.4		32	
		Heating		12.0		32	
	Noise	Cooling	dB	38		53	
		Heating		38		53	
	Energy Efficiency Ratio	Cooling	W/W	3.04			
Heating		3.62					
Power		ph-V-Hz		1-220/240-50			
Power	Power Consumption (min/Std/Max)	Cooling	W	260/1,150/1,400			
		Heating		210/1,105/1,700			
	Operating Current (min/Std/Max)	Cooling	A	1.7/5.3/6.4			
		Heating		1.3/5.3/7.9			
	Power Factor	Cooling	%	91			
		Heating		91			
Size	Outer Dimension	WidthxHeightxDpth		mm	900x199x600	790x548x285	
				inch	35.4x7.8x15.4	31.1x21.6x11.2	
	Weight(Net)		kg		26	35.5	
	Compressor	Type		Rotary,G4C090LUDER			
		Motor	Type		BLDC		
			Rated Output	W	853		
	Oil Type		POE				
	Blower	Type		Sirocco		Propeller	
		Motor	Type		Resin/Steel		
			Rated Output	W	30		40
Piping	Pipe O.D Size	Liquid	mm(inch)xL(m)		Ø6.35(1/4")x5		
		Gas	mm(inch)xL(m)		Ø9.52(3/8")x5		
	Connection Method		Flare				
	Between	Height	m		Max.15		
		Weight	m		Max.20		
Heat Exchanger				2 Row 12 Step		2 Row 24 Step	
Refrigerant Control Unit				EEV			
Freezer Oil Capacity		cc		320			
Refrigerant to Change(R410A)		g		950 (~20m chargeless)			
Protection Device(OLP)				None			
Cooling Test Condition				Indoor Unit: DB27 WB19 °C Outdoor Unit: DB35 °C WB24 °C			
Heating Test Condition				Indoor Unit: DB20 °C WB15 °C Outdoor Unit: DB7 °C WB6 °C			

Product Specifications(cont.)





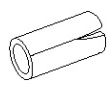
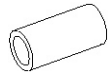


Item				Model		EH052EAV1		EH070EAV1		
				Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit			
Type				DUCT		DUCT				
Performance	Cooling(Min/Std/Max)		kW	1.7/5.0/6.0		2.2/7.1/8.0				
	Heating(Min/Std/Max)		kW	1.5/6.0/8.0		2.0/8.0/12.0				
	Dehumidifying		l/h	1.63		2.66				
	Air Volumn	Cooling	m ³ /min (H/M/L)	12.2	43	16.1	50			
		Heating		13.7	43	18.9	50			
	Noise	Cooling	dB	40	53	44	60			
		Heating		40	53	44	60			
	Energy Efficiency Ratio	Cooling	W/W	3.23		3.23				
Heating		3.64		3.72						
Power			ph-V-Hz	1-220/240-50						
Power	Power Consumption (min/Std/Max)	Cooling	W	420/1,550/1,950		570/2,200/2,650				
		Heating		360/1,650/2,700		500/2,150/3,800				
	Operating Current (min/Std/Max)	Cooling	A	2.5/7.0/8.5		2.9/10.0/12.5				
		Heating		2.1/7.5/12.0		2.6/9.8/17.9				
	Power Factor	Cooling	%	95.9		96.9				
		Heating		96.0		96.8				
Size	Outer Dimension	WidthxHeightxDpth		mm	1,100x199x600	880x638x310	1,100x199x600	880x798x310		
				inch	43.3x7.8x23.6	34.6x25.1x12.2	43.3x7.8x23.6	34.6x31.4x12.2		
	Weight(Net)			kg	31	50	31	57		
	Compressor	Type		G8T200FUA EW		G8T260FUA EW				
		Motor	Type		BLDC		BLDC			
			Rated Output	W	2,000		2,470			
	Oil Type				POE					
	Blower	Type		Sirocco	Propeller	Sirocco	Propeller			
		Motor	Type		Resin/Steel	Steel	Resin/Steel	Steel		
			Rated Output	W	50	100	500	100		
Piping	Pipe O.D Size	Liquid	mm(inch)xL(m)	Ø6.35(1/4")x5		Ø6.35(1/4")x5				
		Gas	mm(inch)xL(m)	Ø12.7(1/2")x5		Ø15.88(5/8")x5				
	Connection Method			Flare						
	Between	Height	m	Max.30						
		Weight	m	Max.50						
Heat Exchanger				3 Row 12 Step	2 Row 28 Step	3 Row 12 Step	2 Row 36 Step			
Refrigerant Control Unit				EEV						
Freezer Oil Capacity			cc	700		700				
Refrigerant to Change(R410A)			g	1,450(30g/m)		1,900(30g/m)				
Protection Device(OLP)				None						
Cooling Test Condition				Indoor Unit: DB27°C WB19°C Outdoor Unit: DB35°C WB24°C						
Heating Test Condition				Indoor Unit: DB20°C WB15°C Outdoor Unit: DB7°C WB6°C						

2-3 The Comparative Specifications of Product


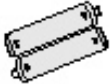


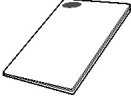
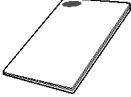
Item		EH070EAV1	EH070EAV(Basic)
Design	Indoor Unit		
	Outdoor Unit		
Net Weight	Indoor Unit	31.0kg	34.0kg
	Outdoor Unit	57.0kg	74.0kg
Outer Dimension (WxHxD)	Indoor Unit	1,100x199x600mm	1,100x199x600mm
	Outdoor Unit	880x798x310mm	880x798x310mm
Noise	Indoor Unit	44dB↓	42dB↓
	Outdoor Unit	60dB↓	59dB↓

2-4 Accessory and Option Specifications


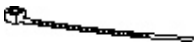







2-4-1 Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Wired remote controller	DB97-01904G	1	Indoor Unit
	Owner's Manual	DB98-25806A	1	
	Installation Manual	DB98-25807A	1	
	Insulation	DB62-03440H	1	
		DB62-03439H	1	
	Insu Pipe Joint Out	DB62-03439J	2	
	Insu Pipe Joint In	DB72-00143D	1	
		DB72-00143E	1	
	Ass'y Holder Drain Pipe	DB90-02064A	1	
	Ass'y Drain Hose Joint	DB94-00758A	1	

■ Wireless Remote Controller Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Wireless remote controller	DB93-00251G	1	
	Battery	DB47-90024A	2	
	Remote control holder	DB61-00204A	1	
	STS 2S-2x10 tapped screw	6002-000581	2	
	Owner's instructions	DB98-05156A	1	
	Installation manual	DB98-05184A	1	

■ Wired Remote Controller Accessories

Item	Descriptions	Code-No.	Q'TY	Remark
	Wired remote controller	DB93-01766C	1	
	Cable-tie	DB65-10088B	2	
	Cable clamp	DB65-10074E	5	
	M4x16 tapped screw	6002-000474	7	
	Indoor unit power drawing cable	DB39-00221A	1	
	Communication cable of the wired remote controller	DB39-00933A	1	
	Wire joint	DB39-90020A	1	
	Owner's instructions	DB98-15731A	1	
	Installation manual	DB98-15770A	1	