



**SUBMITTAL EH070CAV / UH070CAV**  
Slim Duct, single zone split system

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Job Name	Location
Purchaser	Engineer
Submitted to	Reference
Unit Designation	Schedule #

**Specifications**

Performance	Nominal Capacity	Cooling/Heating (Btu/h)	24,000 / 27,000
	Capacity Range	Cooling (Btu/h)	6,500 - 27,000
		Heating (Btu/h)	7,000 - 37,000
	SEER / EER		15.1 / 10.2
	HSPF		8.5
	Condensate (pints/hour)		5.6



EH070CAV

Power	Voltage (ø/V/Hz)	1 / 208-230 / 60
	Rated Current (Low/Std./Max.)	Cooling (A) 3.0 / 10.5 / 12.0 Heating (A) 3.0 / 10.5 / 18.0
	Max. Breaker	35 A
	Min. Circuit Ampacity	23 A

Dimensions	W X H X D (inches)	Indoor Unit	43 3/8 X 7 13/16 X 23 5/8
		Outdoor Unit	34 5/8 X 31 3/8 X 12 1/4
	Weight (lbs.)	Indoor Unit	68
		Outdoor Unit	125
	Supply duct connection (inches)		6 X 41 3/4
	Return duct connection (inside, inches)		6 5/8 X 38 1/4
	Condensate Connection		OD 1 1/4", ID 1"

Heat Exchanger	Indoor & Outdoor Unit	Type	Aluminum Fin - Copper Tube
		FPI	18
		Pipe Diameter	1/4 inch

Sound Pressure Level (dB)	Indoor Unit (high)	36
	Outdoor Unit (high)	52

Operating Temperatures	Cooling	°F	14 ≤ T ≤ 115
	Heating	°F	-4 ≤ T ≤ 75

Pipe Connections	Indoor & Outdoor	High side (flare)	1/4"
		Low side (flare)	5/8"
	Maximum Line Set Length		98 ft.
	Maximum Vertical Separation		49 ft.
	Oil Trap		Every 26' of vertical separation

Refrigerant	Type	R410A
	Control Method	Electronic Expansion Valve
	Factory Charge (oz)	67.0
	Charged for	25 ft.
	Additional Refrigerant	0.1 oz/ft over 25'

Compressor	Manufacturer	Samsung
	Type	DC, Inverter Driven, Twin Rotary
	RLA (A)	17.0

Evaporator Fan	Type	Sirocco (3)
	Air Volume (CFM)	Cooling (high) 590 Heating (high) 688
	External Static Pressure	Standard/max. (WC) 0.08 / 0.125

Condenser Fan	Motor	BLDC With Axial Type Fan (2)
	Output	W 140
	FLA	Amps 0.65

Accessories	Samsung condensate pump	MDP-E075SEE
	Wireless Remote Control	MR-AH01U Wire from receiver to unit MRW-10AU Wireless signal receiver MRK-A00U
	Line sets - insulated and flared, interconnect cables included	25' - ILS2509 50' - ILS5009

Safety Certifications	ETL & ETLc
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Warranty	5 Years compressor, 3 Year Parts, 120 Day limited labor
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Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB. Outdoor temperature: 95°F DB, 75°F WB.

Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB. Outdoor temperature: 47°F DB, 43°F WB.

Quietside maintains a policy of ongoing development, specifications are subject to change without notice. Refer to [www.AHRIdirectory.org](http://www.AHRIdirectory.org) for current reference numbers.

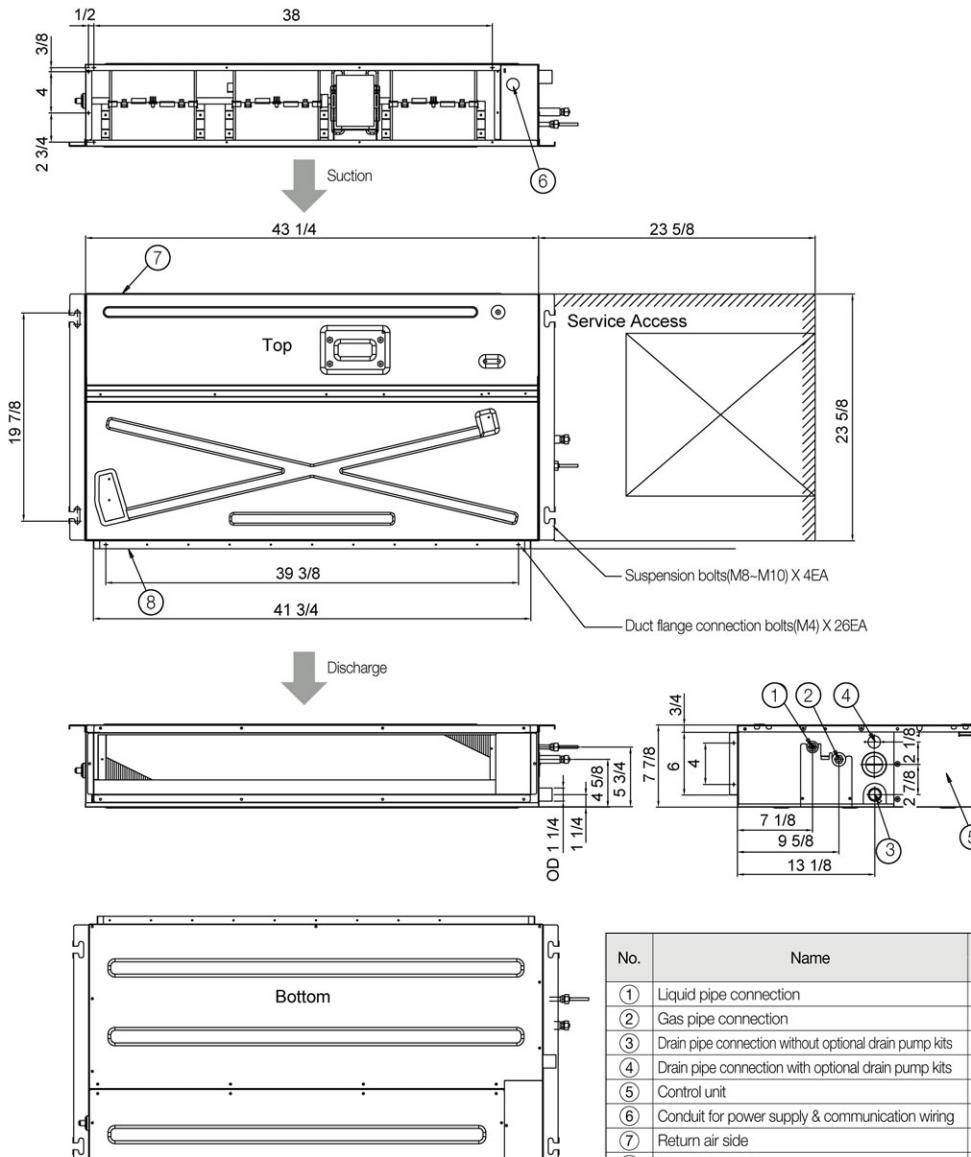
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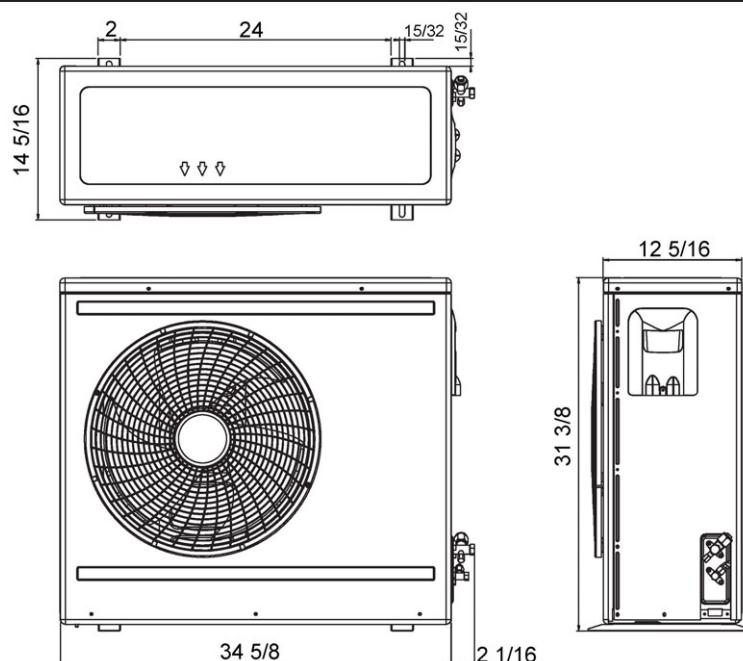
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Unit: Inches



No.	Name	Description
①	Liquid pipe connection	1/4" Flare
②	Gas pipe connection	1/2" Flare
③	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25) / VP25 (OD 1 1/4", ID 1")
④	Drain pipe connection with optional drain pump kits	Quick lock
⑤	Control unit	-
⑥	Conduit for power supply & communication wiring	-
⑦	Return air side	-
⑧	Air outlet duct flange	-

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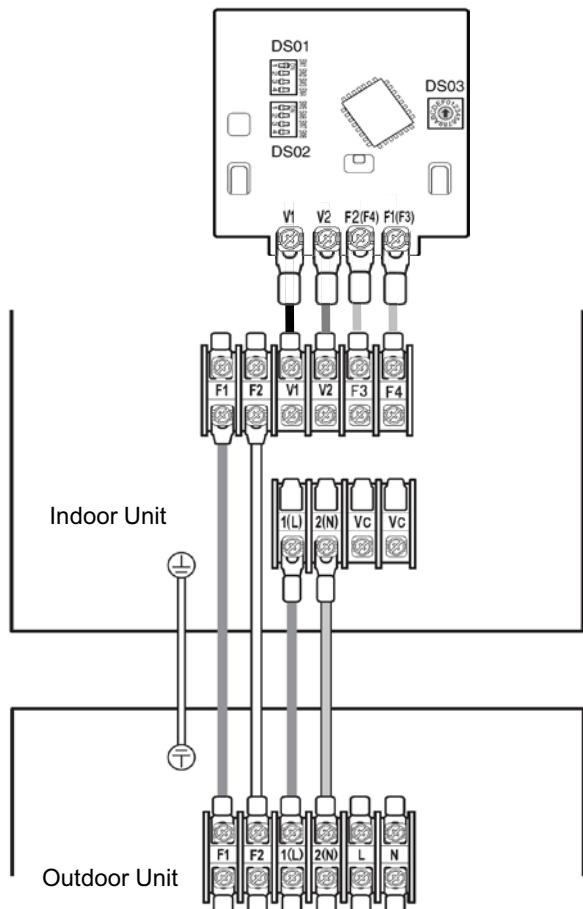
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**Easy air handler control**

- Air handler operation ON/OFF
- Air handler operation mode, set temperature, air flow direction, fan speed
- Error display
- Filter replacement alarm display and reset
- Single indoor unit control or multiple unit control (maximum 16 units)
- Restriction on wireless control usage
- Heat mode skip option
- Indoor unit operation state display



MWR-TH01



- DC 12V (V1/V2) power supplied by indoor unit
- RS485 communication (F3/F4)
- 16AWG shielded cable is necessary for proper operation

Unit: inches

