

Multi-Zone configuration  
1: Multi-zone Indoor Units (Wall Mount, Ceiling Cassette etc.)  
2: Multi-zone Air Handler

MVC-18HWFN1-MW(GA)

MVC-23HWFN1-M

MVC-30HWFN1-M(GA)

MVCU-36HWFN1-M(GA)

# Multi-zone Air Handler



## Energy Efficient

Experience the right airflow volume in each space with a unit that automatically adjusts based on the ducting length.



## Quiet Operation

Create more peaceful, comfortable spaces with ultra-quiet operation that reduces noise pollution.



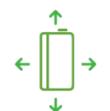
## Independent Zoning

Control temperatures across independent zones or spaces for maximum comfort and control.



## Third-Party Thermostat Compatibility

Experience seamless integration — without extra kits — with a built-in 24V interface that's compatible with third-party thermostats.



## Easy & Flexible Installation

Install the unit vertically or horizontally for multi-directional air flow possibilities and increased flexibility.

- Cooling and Heat Pump Applications
- All-aluminum Tubes & Fins
- Horizontal and Vertical Condensate Drain Pans
- Blower and Coil Easy Slide Out
- AHRI Listed & ETL Certified



# OUTSTANDING FEATURES

## Installation Flexibility

A built-in secondary drain allows the unit to be mounted vertically (up flow or down flow) or horizontally (left or right), enabling multi-position installation. All three sizes are capable of operating as traditional central ducted systems when paired with a compatible single zone outdoor unit.

## Multi-Zone Compatibility

The size 24 Air Handler can connect to select multizone outdoor units to create one integrated system, enabling unique zoned comfort and efficiency.

## Efficient Comfort

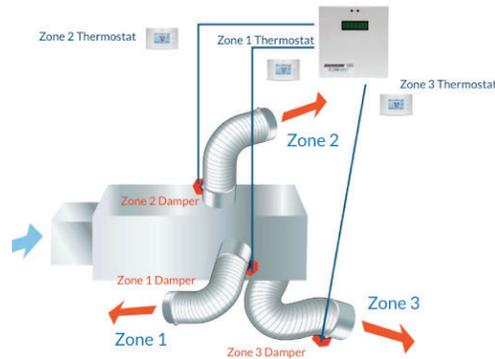
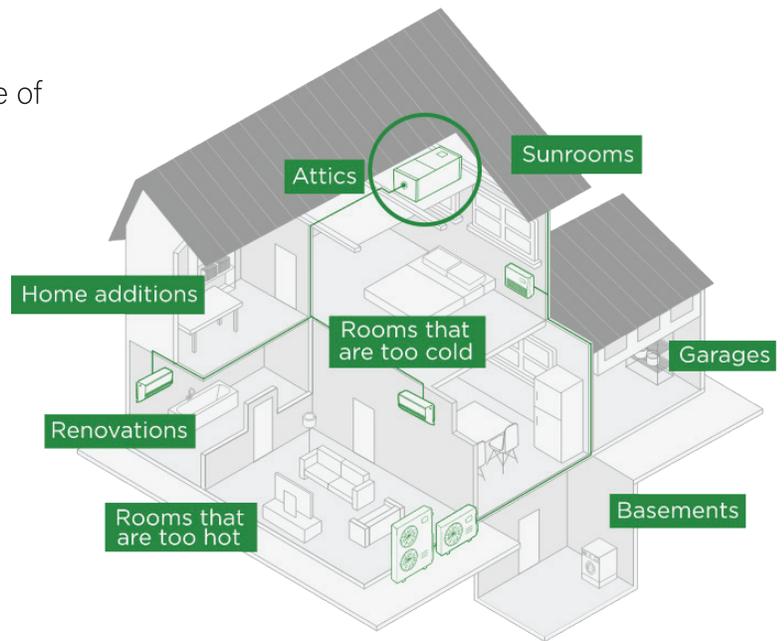
As an alternate to gas furnaces, reduce the use of fossil fuels and experience cleaner energy and efficiency levels that meet many local and federal requirements.

## Controls

Factory installed 24V interface for third-party thermostat compatibility\*  
Wired Controller and Wireless Remote Controller both included.

## Accessories

Electric Heat Packages EAH-05B(UL), EAH-10B(UL), EAH-15B(UL), EAH-20B(UL).



## Compatibility

Multi-Zone Indoor Air Handler	Multi-Zone Outdoor Unit		
	M4OI-36HFN1-M	M5OG-48HFN1-M[X]	M5OA-55HFN1-M[X]
MVC-23HWFN1-M	✓	✓	✓
MVC-30HWFN1-M(GA)	✓	✓	✓
MVCU-36HWFN1-M(GA)		✓	✓

# Multi-zone Air Handler



		18K	24K	30K	36K
<b>Indoor Model</b>		MVC-18HWFN1-MW(GA)	MVC-23HWFN1-M	MVC-30HWFN1-M(GA)	MVCU-36HWFN1-M(GA)
Power supply (Indoor)		V- Ph-Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz	208/230V,1Ph, 60Hz
Power supply	Voltage range	V	187-253	187-253	187-253
Cooling (Standard conditions)	Capacity (range)	Btu/hr	18000(6400~19600)	24000(9600~28000)	30000(9500~31200)
	Input	W	1538(210~1750)	2062(466~2700)	2680(620~3200)
	Current	A	6.6(2~7.6)	8.92(2.98~11.8)	11.9(4.50~14.5)
	EER	Btu/hr/W	11.7	11.7	11.2
	SEER	Btu/hr/W	17.8	18	17.5
Heating (Standard conditions)	Capacity (range)	Btu/hr	19000(5200~21000)	25000(8600~27000)	30000(12000~32000)
	Input	W	1568(320~1700)	2136(594~2850)	2500(900~2900)
	Current	A	7.0(3~7.5)	9.10(3.73~12.5)	11.1(6.2~13)
	COP	W/W	3.55	3.43	3.52
	HSPF4	Btu/hr/W	9.3	8.1	8.4
	HSPF5	Btu/hr/W	7.3	6.5	6.5
Moisture removal		L/h	1.61	2.38	3.51
MINIMUM CIRCUIT AMPACITY(Indoor)		A	3	4	4.5
MAX.FUSE(Indoor)		A	15	15	15
Indoor fan motor	Model		ZKFD-250-8-1	ZKFD-250-8-1	ZKFD-375-8-1-1
	Qty		1	1	1
	Input	W	/	/	/
	Output	W	/	/	/
	RLA	A	2	3	3.5
	Speed(Hi/Mi/Lo)	r/min	/	/	/
Indoor air flow (Turbo/Hi/Mi/Lo)		m3/h	1050/980/900/830	1400/1290/1180/1070	1850/1520/1370/1210
		CFM	617.65/576.47/529.41/488.24	823.53/758.82/694.12/629.41	1088.24/894.12/805.88/711.76
ESP	Range	Pa	0-200	0-200	0-200
	Range	ln. wg.	/	/	/
Indoor noise level (Hi/Mi/Lo)		dB(A)	36.5/33/31.5	39.5/37.5/35.5	40/38/35
Indoor unit	Dimension(W*D*H)	mm	534x445x1143	534x445x1143	534x534x1245
	Dimension(W*D*H)	inch	21.02x17.52x45.00	21.02x17.52x45.00	21.02x21.02x49.02
	Packing (W*D*H)	mm	675x530x1235	675x530x1235	675x620x1335
	Packing (W*D*H)	inch	26.57x20.87x48.62	26.57x20.87x48.62	26.57x24.41x52.56
	Net/Gross weight	kg	48.4/57.7	48.4/57.7	58.8/69.4
	Net/Gross weight	lb	106.70/127.21	106.70/127.21	129.63/153.00
Drainage water pipe dia		mm	/	/	/
Refrigerant piping	Liquid side/ Gas side	mm	6.35/12.7	9.52/15.9	9.52/15.9
		inch	1/4"/1/2"	3/8"/5/8"	3/8"/5/8"
	Max. refrigerant pipe length	m	30	30	50
	Max. refrigerant pipe length	ft	98.42	98.42	164.04
	Max. difference in level	m	20	20	25
	Max. difference in level	ft	65.62	65.62	82.02
Thermostat type		type	Wired Controller	Wired Controller	Wired Controller
Room temperature	Indoor(cooling)	°C	16~32	16~32	16~32
		°F	60~90	60~90	60~90
	Indoor(heating)	°C	0~30	0~30	0~30
		°F	32~86	32~86	32~86
	Outdoor(cooling)	°C	-25~50	-25~50	-15~50
		°F	-13~122	-13~122	5~122
	Outdoor(heating)	°C	-25~24	-25~24	-15~24
		°F	-13~75	-13~75	5~75
Connection wiring			14AWG*4	14AWG*4	14AWG*4
Refrigerant precharge		(ft)	25	25	25
		(m)	7.5	7.5	7.5

## Electric Heat Module Compatibility

Model No.	Capacity	Compatible Model No.				Power Supply
		18K	24K	30K	36K	
Air handler model						
EAH-05B(UL)	5KW heater	✓	✓	✓	✓	208-230V
EAH-10B(UL)	10KW heater	✓	✓	✓	✓	208-230V
EAH-15B(UL)	15KW heater		✓	✓	✓	208-230V
EAH-20B(UL)	20KW heater				✓	208-230V