

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

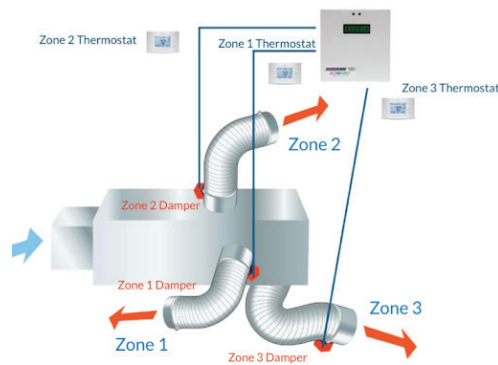
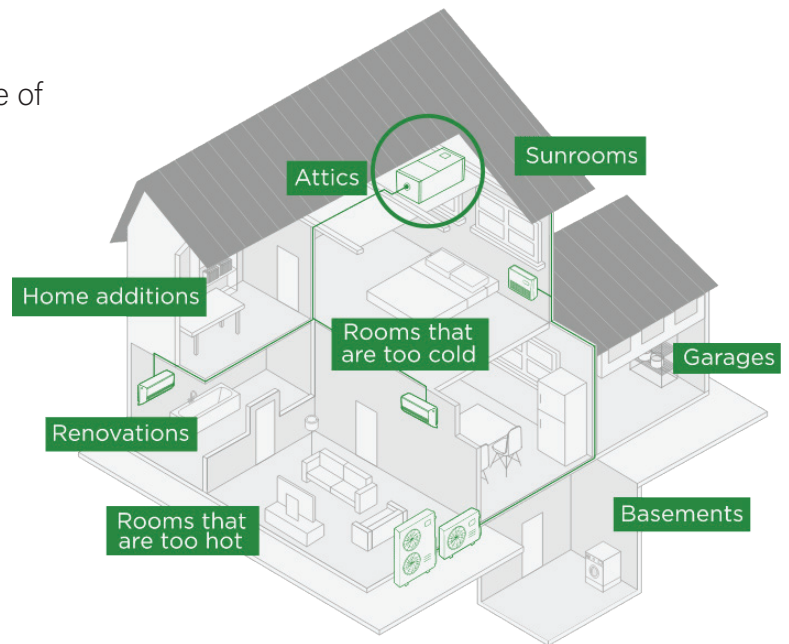
As an alternate to gas furnaces, reduce the use of fossil fuels and experience cleaner energy and efficiency levels that meet many local and federal requirements.

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]
MVC-23HWFN1-M	✓	✓
MVC-30HWFN1-M(GA)	✓	✓
MVCU-36HWFN1-M(GA)		✓

Multi-zone Air Handler



		18K	24K	30K	36K
Indoor Model		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