Comfort...

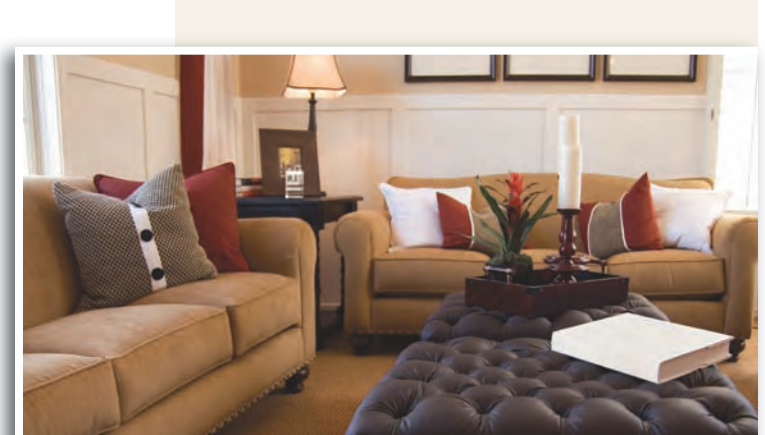
where you need it, when you need it

Ductless Mini-Split Systems

Comfort-Aire®
by HEAT CONTROLLER, INC.

Ductless Mini-Splits

The Comfort Solution



Ductless mini-split systems are a great solution to a wide variety of installation challenges, giving contractors the ability to put air conditioning (and heat with heat pump models) in locations that previously seemed impossible. They're ideal when installing ductwork is difficult, prohibitively expensive, or simply impractical. Both residential and commercial structures, new construction and existing buildings are candidates for mini-splits.

Basically a mini-split does away with the need for ductwork. Like a regular split system A/C or heat pump, the condenser is located outdoors; one or more air handlers are placed indoors. The two are connected by electrical and refrigerant lines that run through a small hole in an exterior wall, generally 3" in diameter or less.

In addition to eliminating the need for ducting, one of the other big advantages to mini-split systems is true zone control. The air handler is dedicated to the room being conditioned and is controlled by a wireless remote. That room can be kept at a temperature and humidity level different from the rest of the house or building.

Multi-zone systems for two or three rooms (or one large space) feature a single condenser that handles two or three air handlers. Each air handler is independently controlled, with its own remote and electronics-based climate controls to regulate temperature and humidity levels, as well as air flow. Units in a bedroom and a home office, for instance, can be programmed for different hours of operation with the 24-hour timer, or two classrooms situated side by side can be set at different temperatures.

Mini-split systems have the flexibility to fit virtually anywhere and with SEER ratings up to 19.1, they're also economical to operate.

Where can you use a mini-split?

Common applications include:

- Historic homes (the aesthetics of the exterior are maintained)
- Homes with hydronic heat
- Residential additions such as a sunroom or bedroom
- Vacation homes and cabins
- Schools (individual classroom control)
- Church sanctuaries and fellowship halls
- Nursing homes and hospitals
- Restaurants
- Remote offices such as those inside a warehouse or factory
- Utility transfer stations
- Arena sky boxes
- Computer rooms (temperature/humidity can be different than the rest of the building)
- ATMs and office lobbies

There's more to comfort than just temperature…

Advantages of a ductless mini-split system

Quiet Operation—The operational sound of the compressor and fan is kept outside with the condensing unit and the indoor air handler is designed to be exceptionally quiet

Easy Installation—All it takes to connect the outdoor condenser and the indoor air handler is a hole about 3" in diameter to run refrigerant lines and electrical wires between the two components

Efficiency—Units are designed to be energy efficient with high SEER ratings that meet or exceed government mandated standards; and only the room or area being used is conditioned

Attractive Appearance—High wall models feature a low profile indoor unit in a stone white color that blends with any décor; ceiling cassettes also come in a neutral color that virtually disappears in ceiling installations

Security—With a room air conditioner, there's always the worry that access to the home can be gained through the window where the unit is mounted; that worry is eliminated with a ductless system

Consistent Comfort—Electronic climate controls regulate operation to maintain a preset temperature level; random swing air flow (on most units) continually adjusts the fan speed and air direction for a gentle, breeze-like effect

Simple Operation—One fully featured remote is included for each indoor air handler, making it simple to select the mode, set the temperature and the timer, and change the airflow direction

Mini-Splits and Indoor Air Quality

According to the EPA, the air inside our homes is often more polluted than outside air. What's needed to protect yourself from air-borne contaminants is a high quality filtration system, and that's just what you get with ductless mini-splits from Comfort-Aire.

Triple filtration to improve indoor air quality is an integral part of the mini-split design:

- Electrostatic filter—removes smoke, dust and pollen
- Deodorizing filter—freshens the air
- Anti-fungal filter—prevents the growth of bacteria and mold

Additionally, the units can be operated in the dehumidification mode without cooling or heating. This removes excess humidity from the indoor air, one of the keys to preventing the growth of mold, mildew and other contaminants.

Inverter Technology:

Taking Comfort and Efficiency to the next level

Comfort-Aire's "V" Series ductless mini-splits maximize comfort by reducing temperature fluctuations and at the same time save an estimated 40% or more on energy consumption, compared with traditional mini-split systems.

What's different about the "V" Series? It uses state-of-the-art inverter technology.

An inverter is an electrical device that varies the frequency of the power going to the compressor. This allows the compressor to run at variable speeds so that it can precisely match the power with the demand.

A microprocessor adjusts the compressor speed by sampling the ambient air temperature in the room or space being cooled or heated. At start up, the compressor runs at high RPMs to quickly reach the desired temperature in the room. Then it slows down to a low rotation speed to maintain the temperature. However, during times of high demand such as weather extremes, or even a large gathering in the room, the compressor ramps up to a faster speed to meet the demand.

Compare this to a traditional system which cools by running the compressor until the setpoint is reached and then turns off. This on-off cycling results in temperature fluctuations that affect comfort, and also adds to wear and tear of the components.

Temperature isn't the only contributor to comfort: humidity is critical. Dehumidification, especially during hot, muggy weather, is an integral component of cooling. When the compressor in a traditional system cycles off, dehumidification also stops. With an inverter system, excess moisture in the air is removed all the time because the unit runs constantly, although mostly at "economy" speed.

Advantages of Inverter Technology

- Reaches the desired temperature quickly
- Provides precise temperature control and continuous dehumidification (cooling mode)
- Extends component life by eliminating on-off cycling
- Operates exceptionally quietly because the DC compressor runs mostly at low speed, which also reduces any vibration and associated noise
- Saves energy by matching the compressor speed to the demand; rated at up to 19.1 SEER
- Extra heating capacity (heat pump models) even at low ambient temperatures

Ductless mini-splits can save you money when it comes to adding on to your house. If your current HVAC system is correctly sized to your existing structure, it may not have the capacity to handle the new square footage. Rather than replacing the entire system, you can cool and heat with a mini-split–and save the cost of installing ductwork in your new space.

Multi-Zone Flexibility

When you need to condition more than one space, it's not necessary to install separate systems. You can choose dual zone or tri-zone models that let you cool and/or heat multiple rooms (depending on the system you choose). Each system uses one outdoor condensing unit tied to multiple indoor units, and each of the indoor units is independently controlled to meet specific comfort requirements.

For greater efficiency, these Multi-Flex systems give you the flexibility to size the system to exact room requirements. There are two indoor air handler sizes and three outdoor condensers that can be mixed and matched for a total of seven "customized" systems from 18,000 to 36,000 BTUH.

It's more energy efficient to operate a system that's properly sized to the individual room, but beyond that, you may choose to heat/cool only the room being used, saving even more on utility bills.

The Multi-Flex design is also ideal for large spaces. One or more dual or tri-zone systems can be effective (and quiet) for a church sanctuary, a school or nursing home commons area, or a warehouse setting, for instance.

Dual Zone

Choose from four models and three system sizes

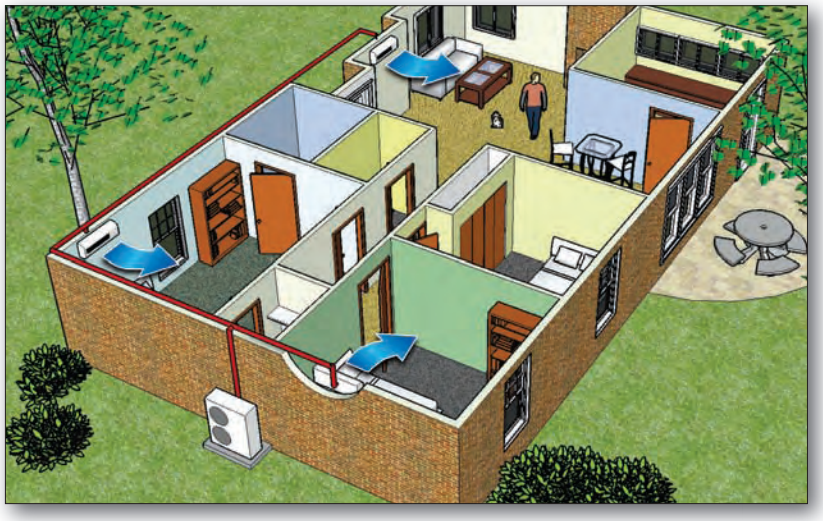
Models	MMA/H18	MMA/H24	
Air Handler Options	9,000	9,000	12,000
	9,000	12,000	12,000
Total Capacity	18,000	21,000	24,000

Tri-Zone

Choose from two models and four system sizes

Models	MMA/MMH36			
Air Handler Options	9,000	9,000	9,000	12,000
	9,000	9,000	12,000	12,000
	9,000	12,000	12,000	12,000
Total Capacity	27,000	30,000	33,000	36,000

Optimum Performance



You can see how one outdoor condenser is used in conjunction with multiple indoor air handlers in a single structure. The air handlers can be selected to best fit the square footage of the rooms being cooled/heated. Properly sized units save energy. Depending on the model, air handlers can be installed 24' to 98' from the condenser, so you can place that unit in the best location for your landscaping.

A ductless mini-split can contribute to a better night's rest by making your bedroom more comfortable. You can control the temperature and humidity levels separately from the rest of the home and select Sleep Mode, if you choose. For most people, body temperature drops as they sleep so the room setting that was comfortable at bedtime is too cool by early morning. The Sleep Mode automatically adjusts the temperature during the night so you don't wake up looking for a blanket or have to get up to change the thermostat.

'S' Series

Single zone cooling only and heat pump models

Our "S" Series, rated at 13 SEER, offers economical zone control because only the room or area being used is conditioned. Also, no energy is used to force air through a duct system.

Since the unit is independent of any other heating or cooling system, specific comfort requirements can be set for the space. A wireless remote makes it easy to select both temperature and mode.

The indoor air handler features a sleek design that extends just 9" to 12" into the room, depending on the model. For installation flexibility, the indoor section can be located up to 32 feet from the outdoor section.

Not only is the air handler visually unobtrusive, it's also so quiet you'll forget it's even there. Fan speed and mode can be selected so the air flow provides the comfort needed without being disruptive. The 18,000 BTUH models feature four fan speeds; other models have three fan speeds.

Built with quality components, the system includes a three minute delay at start-up to protect the compressor from short cycling.

Indoor Unit

9,000 to 24,000 BTUH

Includes a fully featured wireless remote

Outdoor Unit

Features

- **Whisper Quiet**—High tech, cross flow fan in the indoor unit delivers balanced air flow
- **Temperature Compensation**—Indoor unit adjusts automatically as needed to eliminate temperature stratification between ceiling and floor temperature
- **Random Swing**—Continually adjusts air direction for a gentle, breeze-like effect
- **Multiple Modes**—Cooling, dehumidification only, air circulation (heating in heat pump models) plus:
  - Sleep mode
  - 24-hour timer
  - Jet Cool for fast cool-down
- **Hot Start**—On heat pump models, eliminates cool air release when unit turns on
- **Auto Operation**—Automatically adjusts to maintain a constant temperature/humidity level
- **Multi-Stage Filtration**—Triple filtration system includes electrostatic filter, antifungal filter and deodorizing filter
- **Auto Restart**—Reverts to the last setting following a power failure

Owners of historic homes homes will appreciate the comfort and convenience of ductless mini-splits. Adding air conditioning to older homes can be expensive and difficult, while window units destroy the exterior appearance of the home. But with a mini-split, the outdoor condenser can be located where it doesn't detract from the curb appeal, and simple conduit containing refrigerant and electrical lines is inconspicuous. Remodelers and renovators will appreciate these same qualities.

Single Zone Ductless Mini-Split Systems — 13 SEER

	Cooling Models				Heat Pump Models			
FEATURES	**SMA09SB-0**	**SMA12SB-0**	**SMA18SB-1**	**SMA24SB-1**	**SMH09SB-0**	**SMH12SB-0**	**SMH18SB-1**	**SMH24SB-1**
Power Supply	115-1-60	115-1-60	208/230-1-60	208/230-1-60	115-1-60	115-1-60	208/230-1-60	208/230-1-60
Cooling Cap. (BTUH)	9,000	12,000	18,000	24,000	9,000	12,000	18,000	24,000
Cooling Amps	7.3	10.0	6.8	8.8	7.3	10.0	6.8	8.8
Dehumidify (Pts/Hr.)	1.7	2.5	4.2	5.3	1.7	2.5	4.2	5.3
Heating Cap. (BTUH)	N/A	N/A	N/A	N/A	10,000	12,500	18,000	24,000
Heating Amps	N/A	N/A	N/A	N/A	7.6	10.0	7.7	8.8
HSPF	N/A	N/A	N/A	N/A	7.7	7.7	7.7	7.7
Air Flow (H/M/L)	341/294/247	471/430/353	677/636/ 600/565	795/706/642	341/294/247	471/430/353	677/636/ 600/565	795/706/642
Fan Speeds (C/H/F)	3 / - / 3	3 / - / 3	4 / - / 4	3 / - / 3	3 / 3 / 3	3 / 3 / 3	4 / 4 / 4	3 / 3 / 3
Air Direction (4-Way)								
Vertical Modulating	Remote	Remote	Remote	Remote	Remote	Remote	Remote	Remote
Horizontal (left/right)	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Random Swing	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indicator Lamps								
ON/OFF	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
24 Hr. Timer/Sleep Mode	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Defrost or Hot Start	N/A	N/A	N/A	N/A	Standard	Standard	Standard	Standard
Temperature Setting	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote
Indoor Unit Dimensions								
Width (inches)	31⅛	36⅜	42½	49⅜	31⅛	36⅜	42½	49⅜
Height (inches)	10 13/32	11½	13	12 13/16	10 13/32	11½	13	12 13/16
Depth (inches)	7 11/16	8⅞	8⅞	9⅛	7 11/16	8⅞	8⅞	9⅛
Net Wt/Shipping Wt (lbs)	19.8/24.3	28.7/33.1	37.5/46.3	39.7/55.1	19.8/24.2	28.7/33.1	37.5/46.3	39.7/55.1
Outdoor Unit Dimensions								
Width (inches)	30 11/16	29⅞	33 1/32	35 3/16	30 11/16	29⅞	33 1/32	35 3/16
Height (inches)	21 5/16	23 3/16	27 13/32	33⅞	21 5/16	23 3/16	27 13/32	33⅞
Depth (inches)	9 13/16	11 3/16	13 3/16	13	9 13/16	11 3/16	13 3/16	13
Shipping Wt (lbs)	70.5/77.2	79.4/86.0	116.8/125.7	149.9/159.8	72.8/79.4	83.8/90.4	119.0/127.9	151.0/160.9
Electrical Data Outdoor Unit [1]								
Main Pwr. Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Max. Circuit Ampacity	14	18	13	18	14	18	13	18
Max. Fuse/HACR Cir. Brkr	15	20	15	20	15	20	15	20
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW) [2]	18-4 (300V)	18-4 (300V)	See Note 2	See Note 2	18-4 (300V)	18-4 (300V)	See Note 2	See Note 2
Line Sets O.D. (in.) / Refrigerant								
Refrigerant		R-410A				R-410A		
Liquid (Flare)	1/4	1/4	1/4	3/8	1/4	1/4	1/4	3/8
Suction (Flare)	3/8	1/2	1/2	5/8	3/8	1/2	1/2	5/8
Max. Length [3]	32.8 ft.	32.8 ft.	49.2 ft.	65.6 ft.	32.8 ft.	32.8 ft.	49.2 ft.	65.6 ft.
Max. Elevation (Outdoor)	16.4 ft.	16.4 ft.	26.25 ft.	32.8 ft.	16.4 ft.	16.4 ft.	26.25 ft.	32.8 ft.
Ambient Op. Range		65°F – 113°F (cooling) 19				19.5°F – 113°F (heating)		

[1] Always follow local, state and national codes.
[2] 9K/12K Models: The required cable connecting the indoor and outdoor units together should be rated for 300V. The actual voltage through the cable is 35V DC. 18K/24K Models: The required cable connecting the indoor and outdoor units together should be specified by local and National Electric Codes. The voltage running through the cable is 208~230V AC.
[3] 25' is recommended.

Warranty—5 years on compressor, 1 year on parts
(Some limitations apply; see printed warranty for details.)

environmentally friendly R-410A

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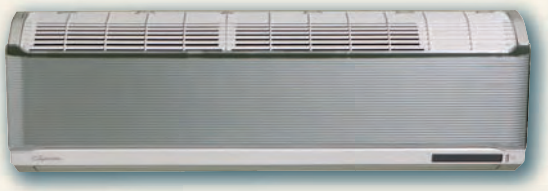
'V' Series

Inverter technology in a wide range of capacities



Inverter

Indoor Unit

208-230V

9,000 to 30,000 BTUH

Outdoor Unit

Cooling and heat pump models in all sizes

Comfort and energy efficiency combine in these attractive wall mount mini-splits. Rated as high as 19.1 SEER, they include all the advantages of advanced inverter technology.

You'll find that your room reaches the preset temperature quickly and that the temperature is constant, without the variations that occur in other types with on-off cycling. Because the units run at "economy" speed most of the time, energy usage is kept to a minimum. However, during weather extremes (or when you have a room full of people), the compressor ramps up automatically to maintain the comfort level.

"V" Series units are exceptionally quiet. Heavy duty compressors in the condensers are not just efficient, but they also reduce noise and vibration. Inside, the balanced fan circulates large volumes of air at minimal noise levels.

Applications

Single zone models are especially suited to one room residential installations such as bedrooms, sunrooms, additions and workshops. For large spaces up to 1550 square feet such as offices, conference rooms, common areas, etc., the 30,000 BTUH models deliver big capacity with exceptional efficiency. With our Multi-Power System, two compressors operate individually or in tandem to closely match the load for greatest efficiency.

Features

- **Attractive Cabinet**—Indoor units feature a slim profile with rounded corners and sleek grilles with a subtle metallic look panel
- **Multiple Modes**—Cooling, dehumidification only, and heating in heat pump models
  - Sleep mode
  - 24-hour timer
  - Jet cool
  - Auto sleep mode
  - Hot start (heat pump models)
- **Random Swing**—Continually adjusts fan speed and air direction for a gentle, breeze-like effect that's preferred by most people
- **Remote Control**—Makes it easy to program and operate the unit
- **Multi-Stage Filtration**—Includes electrostatic filter, antifungal filter and deodorizing filter for improved indoor air quality
- **Low Ambient Operation**—Cooling mode functions even when the outdoor temperature reaches 0° F
- **Defrost Control**—Removes any frost accumulation on the coil of heat pumps
- **Auto Restart**—Reverts to the last setting following a power failure

Low Ambient Operation

Cooling only models can be used in applications where outside air temperatures are very low and the indoor space, such as a server room, still requires A/C.

- Operation at rated capacity from 0-110°F outdoor air temperature
- Operation with decreased capacity from 110-120°F outdoor air temperature

Heat pump models deliver superior heating performance compared to non-inverter mini-splits, providing more heat at lower temperatures.

- Operation at rated capacity from 23-75°F outdoor air temperature
- Operation with decreased capacity from 14-23°F outdoor air temperature

Single Zone Ductless Mini-Split Systems

	Cooling Models					Heat Pump Models				
FEATURES	**VMC09SB-0**	**VMC12SB-0**	**VMC18SB-1**	**VMC24SB-1**	**VMC30SB-1**	**VMH09SB-0**	**VMH12SB-0**	**VMH18SB-1**	**VMH24SB-1**	**VMH30SB-1**
Power Supply	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230/-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Cooling Cap. (BTUH)	9,200	12,000	18,000	24,000	26,400/27,000	8,950/9,200	11,700/12,000	17,500/18,000	23,400/24,000	26,400/27,000
SEER	19.1	18.6	16.0	16.0	16.0	19.1	18.6	16.0	16.0	16.0
Cooling Amps	3.5/3.2	5.5/5.0	8.0/7.3	12.1/11.0	13.6/12.5	3.5/3.2	5.5/5.0	8.0/7.3	12.1/11.0	13.6/12.5
Dehumidify (Pts/Hr.)	3.2	3.2	4.4	5.7	7.2	3.2	3.2	4.4	5.7	7.2
Heating Cap. (BTUH)	N/A	N/A	N/A	N/A	N/A	12,000/11,700	15,500/15,100	20,700/20,200	27,300/26,600	29,000/28,300
Heating Amps	N/A	N/A	N/A	N/A	N/A	4.2/4.6	5.9/6.5	8.3/9.1	13.0/14.0	12.7/14
HSPF	N/A	N/A	N/A	N/A	N/A	9.5	9.5	8.2	8.2	8.0
Indoor Unit										
Air Flow (CFM)	300	335	494	565	710	300	335	494	565	710
Fan Speeds	4	4	4	4	4	4	4	4	4	4
Air Direction (4-Way)										
Vertical Modulating	Manual	Manual	Remote	Remote	Remote	Manual	Manual	Remote	Remote	Remote
Horizontal (left/right)	Manual	Manual	Remote	Remote	Remote	Manual	Manual	Remote	Remote	Remote
Random Swing	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indicator Lamps										
ON/OFF	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
24 Hr. Timer/Sleep Mode	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Defrost or Hot Start	N/A	N/A	N/A	N/A	N/A	Standard	Standard	Standard	Standard	Standard
Temperature Setting	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Unit Dimensions										
Width (inches)	35¼	35¼	43	43	47⅜	35¼	35¼	43	43	47⅜
Height (inches)	11⅛	11⅛	11⅘	11⅘	13⅜	11⅛	11⅛	11⅘	11⅘	13⅜
Depth (inches)	6½	6½	7	7	8 1/16	6½	6½	7	7	8 1/16
Net Wt/Shipping Wt (lbs)	17.6/19.8	17.6/19.8	28.7/30.9	28.7/30.9	30.8/35.3	17.6/19.8	17.6/19.8	28.7/30.9	28.7/30.9	30.8/35.3
Outdoor Unit Dimensions										
Width (inches)	30⅓	30⅓	34⅓	34⅓	34¼	30⅓	30⅓	34⅓	34⅓	34¼
Height (inches)	21⅓	21⅓	25⅘	31½	31½	21⅓	21⅓	25⅘	31½	31½
Depth (inches)	9⅜	9⅜	12⅜	12⅜	12⅜	9⅜	9⅜	12⅜	12⅜	12⅜
Net Wt/Shipping Wt (lbs)	77.2/81.6	77.2/81.6	101.4/105.8	145.5/149.9	169.6/181.6	77.2/81.6	77.2/81.6	101.4/105.8	145.5/149.9	169.6/181.6
Electrical Data Outdoor Unit **										
Main Pwr. Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Max. Circuit Ampacity	8.2	9.9	12.4	16.7	17	8.2	9.9	12.4	16.7	17
Max. Fuse/HACR Cir. Brkr	15	15	20	25	30	15	15	20	25	30
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)	18-4 (300V)
Line Sets O.D. (in.) / Refrigerant										
Refrigerant			R-410A					R-410A		
Liquid (Flare)	1/4	1/4	1/4	3/8	1/4	1/4	1/4	1/4	3/8	1/4
Suction (Flare)	3/8	3/8	1/2	5/8	5/8	3/8	3/8	1/2	5/8	5/8
Max. Length	49 ft.	49 ft.	49 ft.	98 ft.	98 ft.	49 ft.	49 ft.	49 ft.	98 ft.	98 ft.
Max. Elevation (Outdoor)[1]	25 ft.	25 ft.	49 ft	49 ft.	25 ft.	25 ft.	25 ft.	49 ft.	49 ft.	25 ft.

**Always follow local, state and national codes.

[1]Oil Trap should be installed every 16.5 ft–23.0 ft (5–7 m)

Design, specifications and performance data subject to change without notice.

Warranty—6 years on compressor, 2 years on parts
(Some limitations apply; see printed warranty for details.)

‘M’ Series
Multi-Flex Systems

Not only are the “M” Series units energy misers with SEER ratings as high as 16.1, they also allow system customization for even greater efficiency. Indoor air handler sizes can be mixed and matched to most closely match the load requirements of each room.

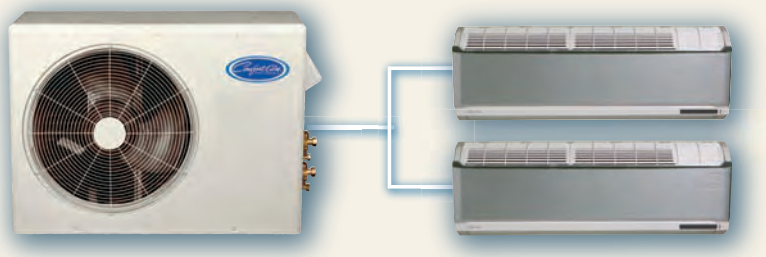
A single outdoor condenser is sized for multiple indoor air handlers. Each condenser is equipped with two compressors that adjust to changing needs. With a light load, just one compressor will run; when the load increases, both compressors kick in to deliver maximum comfort at optimal efficiency.

Units provide true zone control for either two or three rooms, depending on the model selected. Each air handler operates independently and comes with its own wireless remote. Units are also great for larger spaces such as fellowship halls and commons areas—install one or more Multi-Flex units for quiet, easily controlled comfort.

In addition to the general installation advantages of mini-splits, electrical hook-ups are simplified with main power coming from the condensing unit. Condensers can be situated up to 50 feet from the indoor units, giving you options for selecting the best location for the installation.

Includes one fully featured wireless remote per indoor unit.

Dual Zone 18,000 to 24,000 BTUH



Cool or heat two rooms or separate areas. Select two indoor air handlers to match the sizes of the rooms, then select the outdoor unit to accommodate air handlers. Includes two wireless remotes, one for each air handler.

Tri-Zone 27,000 to 36,000 BTUH

Cool or heat three rooms or separate areas. Select three indoor air handlers to match the sizes of the rooms. Mix and match air handlers up to 36,000 BTUH total system capacity.
Includes three wireless remotes, one for each air handler.

Features

- **Capacity Customization**—Select the sizes of indoor air handlers to best meet individual room requirements
- **Zone Control**—Each air handler is independently controlled, so each unit can be set for individual preferences or turned off when the room isn’t being used
- **Random Swing**—Continually adjusts air direction for a gentle, breeze-like effect preferred by most people
- **Multiple Modes**—Cooling, dehumidification only, air circulation (heating in heat pump models) plus:
  - Sleep mode
  - 24-hour timer
  - Jet Cool for fast cooldown
- **Hot Start**—On heat pump models, eliminates cool air release when unit turns on
- **Auto Operation**—Automatically selects the mode required to maintain a constant temperature/humidity level
- **Multi-Stage Filtration**—Triple filtration includes electrostatic filter, antifungal filter and deodorizing filter
- **Auto Restart**—Reverts to the last setting following a power failure

Dual Zone Outdoor Units

	Cooling	Heat Pumps	
OUTDOOR UNIT	**A-MMC24FA-1**	**A-MMH18FA-1**	**A-MMH24FA-1**
Power Supply	208/230-1-60	208/230-1-60	208/230-1-60
System Cooling Cap. (BTUH)	18,000–24,000	18,000	18,000–24,000
Cooling Amps	10.1	8.8	10.1
SEER	13*	13*	13*
System Heating Cap. (BTUH)	N/A	18,000	18,000–24,000
Heating Amps	N/A	8.6	9.7
HSPF	N/A	7.6	7.6
Outdoor Unit Dimensions			
Width (inches)	34.3	34.3	34.3
Height (inches)	31.8	25.8	31.8
Depth (inches)	12.6	12.6	12.6
Net Wt/Shipping Wt (lbs)	141.1/151.9	125.7/134.7	141.1/151.9
Electrical Data Outdoor Unit**			
Main Pwr. Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	20	15	20
Max. Fuse/HACR Cir. Brkr	25	20	25
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW)	See note**	See note**	See note**
Line Sets O.D. (in.) / Refrigerant			
Liquid (Flare)	1/4	1/4	1/4
Suction (Flare)	3/8	3/8	3/8
Max Length	50 ft.	50 ft.	50 ft.
Max. Elevation (Outdoor)	25 ft.	25 ft.	25 ft.

Tri-Zone Outdoor Units

	Cooling	Heat Pump
FEATURES	**A-MMC36FA-1**	**A-MMH36FA-1**
Power Supply	208/230-1-60	208/230-1-60
System Cooling Cap. (BTUH)	27,000–36,000	27,000–36,000
Cooling Amps	16.6	16.6
SEER	13*	13*
System Heating Cap. (BTUH)	N/A	27,000–36,000
Heating Amps	N/A	15
HSPF	N/A	7.6
Outdoor Unit Dimensions		
Width (inches)	34.3	34.3
Height (inches)	40.7	40.7
Depth (inches)	12.6	12.6
Net Wt/Shipping Wt (lbs)	185.2/201.5	185.2/201.5
Electrical Data Outdoor Unit**		
Main Pwr. Connection	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	30	30
Max. Fuse/HACR Cir. Brkr.	40	40
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW)	See note**	See note**
Line Sets O.D. (in.) / Refrigerant		
Liquid (Flare)	1/4	1/4
Suction (Flare)	3/8	3/8
Max. Length	50 ft.	50 ft.
Max. Elevation (Outdoor)	25 ft.	25 ft.

Multi-Flex Indoor Units

Indoor Unit	**B-MMC09FA-1**	**B-MMH09FA-1**	**B-MMC12FA-1**	**B-MMH12FA-1**
Cooling Cap. (BTUH)**	9000	9000	12,000	12,000
Heating Cap. (BTUH)**	N/A	9000	N/A	12,000
Air Flow (CFM H/M/L)**	289/271/254	289/271/254	332/314/296	332/314/296
Fan Speeds	4 / - / 3	4 / 3 / 3	4 / - / 3	4 / 3 / 3
Dehumidify (Pts/Hr.) per zone	2.3	2.3	2.5	2.5
Air Direction (4-Way)				
Vertical Modulating	Remote	Remote	Remote	Remote
Horizontal (left/right)	Manual	Manual	Manual	Manual
Random Swing	Standard	Standard	Standard	Standard
Indicator Lamps				
ON/OFF	Standard	Standard	Standard	Standard
24 Hr. Timer/Sleep Mode	Standard	Standard	Standard	Standard
Defrost or Hot Start	N/A	Standard	N/A	Standard
Temperature Setting	Standard	Standard	Standard	Standard
Indoor Unit Dimensions				
Width (inches)	33	33	35.2	35.2
Height (inches)	10.6	10.6	11.1	11.1
Depth (inches)	6	6	6.5	6.5
Net Wt/Shipping Wt (lbs)	15.4/18.1	15.4/18.1	20.5/24	20.5/24

* Applies when indoor and outdoor units have equivalent capacities.
**Always follow local, state and national codes.

VERIFIED CSA Energy Performance Rendement Énergétique VÉRIFIÉ

environmentally friendly R-410A

ETL C US

Warranty—5 years on compressor, 1 year on parts
(Some limitations apply; see printed warranty for details.)

‘D’ Series

Ceiling Cassette Systems

208-230V/60/1

24,000 BTUH

36,000 BTUH

Our indoor cooling only units fit flush in the ceiling with an attractive panel incorporating airflow louvers. A small light display on the indoor unit shows operation and if the timer is in use, plus signals when the filter needs changing.

A full featured wireless remote and a wired wall remote to control operation and program the unit are both included.

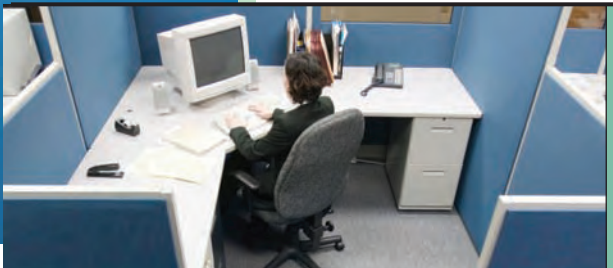
To optimize comfort and minimize energy consumption, a multi-stage compressor system in the 36,000 BTUH unit uses two compressors that operate individually or in tandem to closely match the load for greatest efficiency.

Features

- **Multiple Modes for Comfort**—Cooling, fan only, dehumidification only, auto sleep modes
- **Auto Operation**—Fan speed and temperature are automatically adjusted according to the actual temperature of the room
- **Timer Modes**—Can be programmed for daily, weekly and holiday operation for energy savings when the room is not being used
- **Swirl Mode**—Controls the louvers to reduce temperature stratification; louver swing delivers uniform comfort
- **Plasma Air Purifying Filter**—High tech filter improves indoor air quality; unit also includes a washable air filter
- **Auto Restart**—Reverts to last programmed setting after a power failure
- **Self-Diagnostics**—Indicates when maintenance is required

	Cooling Only	
FEATURES	**DMC24CA-1**	**DMC36CA-1**
Power Supply	208/230-1-60	208/230-1-60
Cooling Cap. (BTUH)	23,500/24,000	33,500/34,000
SEER	13.0	13.0
Dehumidify (Pts/Hr.)	6.3	7.8
Indoor Unit		
Air Flow (CFM) H/M/L	650/600/550	850/800/750
Fan Speeds (Cool/Fan)	3 / 3	3 / 3
Air Direction–Four Way	Standard	Standard
24 Hr. Timer/Sleep Mode	Standard	Standard
Defrost Control	Standard	Standard
Electrical Data Outdoor Unit**		
Main Pwr. Connection	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	16.8	24.3
Max. Fuse/HACR Cir Brkr.	25	40
Indoor/Outdoor Connection	Line Voltage Per NEC	Line Voltage Per NEC
Indoor Unit Chassis Dimensions		
Width (inches)*	33⅛	33⅛
Height (inches)	8 29/32	8 29/32
Depth (inches)*	33⅛	33⅛
Shipping Wt (lbs)	70	70
Outdoor Unit Dimensions		
Width (inches)	34 5/16	35 13/32
Height (inches)	31½	45 29/32
Depth (inches)	12 19/32	14 19/32
Shipping Wt. (lbs)	175	210

Warranty—5 years on compressor, 1 year on parts
(Some limitations apply; see printed warranty for details.)



Offices are ideal locations for ceiling cassettes...the overhead location allows conditioned air to reach cubicles and work areas within a single space. Units can be programmed on a weekly basis for comfort during working hours and energy savings in the evenings or on weekends.