

Comfort-Caire®

Ductless Mini-Split Systems



*Single, dual and
tri-zone models,
all in cooling only
and heat pump
versions*



*A full
line of
models
with
ratings
as high
as 16.1
SEER*

Add comfort without adding ductwork!

Ductless mini-splits solve the problem of cooling and/or heating a space when adding ductwork is impractical or too expensive. With the split system design, the condenser is located outside and an unobtrusive air handler is mounted inside. The systems fit virtually anywhere and are simple to install. With SEER ratings up to 16.1, they're also economical to operate.

Mini-splits are ideal for a wide range of applications:

- **Residential**—Homes where it's difficult or not desirable to add ductwork or use a window A/C, renovations and restorations, additions, sunrooms, bedrooms, workshops
- **Industrial/Commercial**—Warehouse offices, computer rooms, restaurants
- **Specialized**—Sports arena sky-boxes, nursing homes, hospitals, churches

Energy Efficient Zone Control

Ductless mini-splits save energy because only the room or area being used is conditioned—and each zone is individually controlled to meet specific comfort requirements.

Quiet Operation

Quality components and advanced engineering make mini-splits exceptionally quiet. Most of the operating noise stays outside with the condenser, while the air handler itself is whisper-quiet, thanks to advanced design technology.

Improved Indoor Air Quality

Triple filtration includes an electrostatic filter to remove smoke, dust and pollen; a deodorizing filter to freshen the air; and an anti-fungal filter to prevent the growth of bacteria and mold. Also, the unit can be operated in the dehumidification mode only to remove excess humidity from the indoor air, further preventing mold, mildew and other contamination. Controls automatically set the temp and airflow based on current room temperature, for comfort in even the most humid conditions.

Comfort Features

- Random (chaos) swing air flow continually adjusts the fan speed and air direction for a gentle, breeze-like effect that enhances the comfort of those in the room
- Electronic climate controls regulate operation to maintain a preset level; a 24-hour timer can be programmed to turn the unit on and off during the day
- Auto restart resumes operation as soon as power is restored following a power failure, and reverts to the last-used settings

Simple Installation

Installation requires a hole 3" or less in diameter to run refrigerant lines and control wires between the indoor and outdoor units. For multi-zone units, a hole is needed for each indoor air handler. Also, the indoor

section uses low voltage wiring, eliminating the time and cost required to add a special electric line. Because it's so quiet, the outdoor condenser can be located close to the house or building, saving space. The compact design easily blends with the landscaping.

The low profile design of the indoor unit means it can fit where other A/C systems won't. Air handlers extend just 6-1/2" to 7" into the room, depending on the model chosen, offering flexibility in installation choices.



Wide Range of Models and Sizes

There's a mini-split system to fit just about any installation, from single rooms to expansive spaces. In addition to an impressive array of features, our mini-splits include a wide range of capacities. All sizes are available in both cooling only and heat pump models.

Now with environmentally friendly R-410A refrigerant!

SINGLE ZONE 9,000 - 24,000 BTUH



Cool or heat a room without adding ductwork or blocking a window. Includes one indoor air handler, one outside condenser and one full feature remote.

DUAL ZONE 24,000 BTUH



Cool or heat two rooms or separate areas. Includes two indoor air handlers (12,000 BTUH each), one outside condenser and two full feature remotes.

TRI-ZONE 36,000 BTUH



Cool or heat three rooms or one large area. Includes three indoor air handlers (12,000 BTUH each), one outside condenser and three full feature remotes.

Dual Zone Mini-Splits

	Cooling Only		Heat Pump	
FEATURES	DMC24DB-1	DMH18DB-1	DMH24DB-1	
Power Supply	208-230/60/1	208-230/60/1	208-230/60/1	
System Cooling Cap. (BTUH)	23,600/24,000	18,000	23,600/24,000	
Cooling Cap./Zone (BTUH)	11,800/12,000	9,000	11,800/12,000	
SEER	14.1	13.0	14.1	
Cooling Amps	10.1	8.8	10.1	
Dehumidify (Pts./Hr.) per zone	2.5	2.2	2.5	
System Heating Cap. (BTUH)	N/A	18,000	23,600/24,000	
Heating Cap./Zone (BTUH)	N/A	9,000	11,800/12,000	
Heating Amps	N/A	8.6	9.8	
HSPF	N/A	7.7	7.8	
Indoor Unit				
Air Flow (CFM Max. per Zone)	318	250	318	
Fan Speeds (C/H/F)	4 / 3 / 3	3 / 3 / 3	4 / 3 / 3	
Air Direction (4-Way)				
Vertical Modulating	Remote	Remote	Remote	
Horizontal (left/right)	Manual	Manual	Manual	
Random Swing	Standard	Standard	Standard	
Indicator Lamps				
ON/OFF	Standard	Standard	Standard	
24 Hr. Timer/Sleep Mode	Standard	Standard	Standard	
Defrost or Hot Start	N/A	Standard	Standard	
Temperature Setting	Standard	Standard	Standard	
Indoor Unit Dimensions				
Width (inches)	35-1/4	33-1/16	35-1/4	
Height (inches)	11-1/8	10-5/8	11-1/8	
Depth (inches)	6-1/2	6-1/32	6-1/2	
Net Wt./Shipping Wt (lbs)	21/24	20.5/23.1	21/24	
Outdoor Unit Dimensions				
Width (inches)	34-1/4	34-5/16	34-1/4	
Height (inches)	31-1/2	25-13/16	31-1/2	
Depth (inches)	12-5/8	12-5/8	12-5/8	
Net Wt./Shipping Wt (lbs)	152/159	161/182	152/159	
Electrical Data Outdoor Unit**				
Main Pwr. Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	
Min. Circuit Ampacity	17.9	14.6	17.9	
Max. Fuse /HACR Cir. Breaker	25	20	25	
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW)	18-4 (300V)	18-4 (300V)	18-4 (300V)	
Line Sets O.D. (in.) / Refrigerant				
Refrigerant	R-410A			
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.	

**Always follow local and national codes

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



Tri-Zone

	Cooling Only	Heat Pump
FEATURES	DMC36TB-1	DMH36TB-1
Power Supply	208-230/60/1	208-230/60/1
System Cooling Cap. (BTUH)	35,200/36,000	35,200/36,000
Cooling Cap./Zone (BTUH)	11,730/12,000	11,730/12,000
SEER	16.1	16.1
Cooling Amps	16.6	16.6
Dehumidify (Pts./Hr.) per zone	2.5	2.5
System Heating Cap. (BTUH)	N/A	35,200/36,000
Heating Cap./Zone (BTUH)	N/A	11,730/12,000
Heating Amps	N/A	15
HSPF	N/A	7.8
Indoor Unit		
Air Flow (CFM Max. per Zone)	318	318
Fan Speeds (C/H/F)	4 / 3 / 3	4 / 3 / 3
Air Direction (4-Way)		
Vertical Modulating	Remote	Remote
Horizontal (left/right)	Manual	Manual
Random Swing	Standard	Standard
Indicator Lamps		
ON/OFF	Standard	Standard
24 Hr. Timer/Sleep Mode	Standard	Standard
Defrost or Hot Start	N/A	Standard
Temperature Setting	Standard	Standard
Indoor Unit Dimensions		
Width (inches)	35-1/4	35-1/4
Height (inches)	11-1/8	11-1/8
Depth (inches)	6-1/2	6-1/2
Net Wt./Shipping Wt (lbs)	21/24	21/24
Outdoor Unit Dimensions		
Width (inches)	34-1/4	34-1/4
Height (inches)	41-3/4	41-3/4
Depth (inches)	12-5/8	12-5/8
Net Wt./Shipping Wt (lbs)	201/217	201/217
Electrical Data Outdoor Unit**		
Main Pwr. Connection	Outdoor Unit	Outdoor Unit
Min. Circuit Ampacity	26.2	26.2
Max. Fuse /HACR Cir. Breaker	40	40
Recommended Indoor/ Outdoor Connecting Cable Type (SJOW)	18-4 (300V)	18-4 (300V)
Line Sets O.D. (in.) / Refrigerant		
Refrigerant	R-410A	
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.

Operation is easy and convenient

- **Cooling Mode**—Unit operates to maintain room temperature at pre-set level
- **Heat Mode (Heat Pumps)**—Unit extracts heat from outside air for economical comfort
- **Jet Cool Mode**—Fan operates at super high speed for 30 minutes for fast cool down
- **Dehumidification Mode**—Unit automatically adjusts air flow and temperature setting according to current room conditions for comfort even in the most humid conditions
- **Air Circulation**—Fan operates to circulate air without cooling or heating; the fan speed is automatically adjusted according to ambient temperature
- **Auto Sleep Mode**—Just a touch of a button automatically programs fan speed and adjusts the temperature setting for more comfortable sleep
- **Auto Operation**—Climate controls sense the temperature and turn the unit on and off as needed to maintain the desired temp
- **24 Hour Timer**—Turns the unit on and off during the day, providing comfort while you're home and saving energy when you're away
- **Temperature Display**—Desired temperature can be set in 2° intervals; check button displays current room temperature
- **Airflow Direction Control**—Used to set the vertical louvers for the desired airflow
- **Random (Chaos) Swing**—Randomly changes fan speed and louver direction for a natural breeze-like effect that prevents overcooling and is preferred by most people; can be selected in most modes

One full feature wireless remote is included for each indoor air handler for true zone control.



Single Zone Ductless Mini-Split Systems

13 SEER

FEATURES	Cooling Only Models				Heat Pump Models			
	DMC09SB-0	DMC12SB-0	DMC18SB-1	DMC24SB-1	DMH09SB-0	DMH12SB-0	DMH18SB-1	DMH24SB-1
Power Supply	115/60/1	115/60/1	208-230/60/1	208-230/60/1	115/60/1	115/60/1	208-230/60/1	208-230/60/1
Cooling Cap. (BTUH)	9,000	11,500	17,800/18,000	22,100/22,500	9,800	11,500	19,000/19,500	22,100/22,500
SEER	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Cooling Amps	7.0	10.5	9.5/8.6	12.5/11.5	9.5	10.5	12.5/11.5	12.5/11.5
Dehumidify (Pts/Hr.)	2.6	3.0	5.3	6.6	3.0	3.0	6.6	6.6
Heating Cap. (BTUH)	N/A	N/A	N/A	N/A	9800	11,500	19,000/19,500	22,100/22,500
Heating Amps	N/A	N/A	N/A	N/A	9.5	10.5	14.0/12.7	14.0/12.7
HSPF	N/A	N/A	N/A	N/A	7.8	7.8	7.8	7.8
Indoor Unit								
Air Flow (CFM)	250	330	460	530	330	330	530	530
Fan Speeds (C/H/F)	3 / - / 3	3 / - / 3	3 / - / 3	3 / - / 3	3 / 3 / 3	3 / 3 / 3	3 / 3 / 3	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	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Indoor Unit Dimensions								
Width (inches)	33-1/16	35-1/4	42-15/16	42-15/16	35-1/4	35-1/4	42-15/16	42-15/16
Height (inches)	10-5/8	11-1/8	11-13/16	11-13/16	11-1/8	11-1/8	11-13/16	11-13/16
Depth (inches)	6-1/32	6-1/2	7-1/32	7-1/32	6-1/2	6-1/2	7-1/32	7-1/32
Net Wt/Shipping Wt (lbs)	15.4/18.0	20.5/23.1	28.6/35.3	28.6/35.3	20.5/23.1	20.5/23.1	28.6/35.3	28.6/35.3
Outdoor Unit Dimensions								
Width (inches)	30-5/16	30-5/16	34-5/16	34-5/16	30-5/16	30-5/16	34-5/16	34-5/16
Height (inches)	21-5/16	21-5/16	25-13/16	31-1/2	21-5/16	21-5/16	31-1/2	31-1/2
Depth (inches)	9-19/32	9-19/32	12-5/8	12-5/8	9-5/8	9-5/8	12-5/8	12-5/8
Net Wt/Shipping Wt (lbs)	66.1/73.4	72.8/75.7	149.9/156.5	166.6/181.6	72.8/75.7	72.8/75.7	169.6/181.6	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
Min. Circuit Ampacity	8.6	14.3	14.3	17.7	14.3	14.3	17.7	17.7
Max. Fuse /HACR Cir.Brkr	15	20	20	30	20	20	30	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)
Line Sets O.D. (in.) / Refrigerant								
Refrigerant	R-410A				R-410A			
Liquid (Flare)	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Suction (Flare)	3/8	1/2	1/2	5/8	1/2	1/2	5/8	5/8
Max. Length	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.	50 ft.
Max. Elevation (Outdoor)	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.

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