

# 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	115/60/1	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	12,000	18,000	24,000	9,000	12,000	18,000	24,000
SEER	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
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
Indoor Unit								
Air Flow H/M/L (CFM)	431/294/247	471/430/353	677/636/600/565	795/706/642	431/294/247	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 Louver 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 Set	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote	On Remote
Indoor Unit Dimensions								
Width (inches)	31 <sup>1</sup> / <sub>8</sub>	36 <sup>3</sup> / <sub>16</sub>	42 <sup>1</sup> / <sub>2</sub>	49 <sup>3</sup> / <sub>16</sub>	31 <sup>1</sup> / <sub>8</sub>	36 <sup>3</sup> / <sub>16</sub>	42 <sup>1</sup> / <sub>2</sub>	49 <sup>3</sup> / <sub>16</sub>
Height (inches)	10 <sup>13</sup> / <sub>32</sub>	11 <sup>1</sup> / <sub>2</sub>	13	12 <sup>13</sup> / <sub>16</sub>	10 <sup>13</sup> / <sub>32</sub>	11 <sup>1</sup> / <sub>2</sub>	13	12 <sup>13</sup> / <sub>16</sub>
Depth (inches)	7 <sup>11</sup> / <sub>16</sub>	8 <sup>7</sup> / <sub>8</sub>	8 <sup>7</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>	7 <sup>11</sup> / <sub>16</sub>	8 <sup>7</sup> / <sub>8</sub>	8 <sup>7</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>
Shipping Wt (lbs)	19.8/24.3	28.7/33.1	37.5/46.3	39.7/55.1	19.8/24.3	28.7/33.1	37.5/46.3	39.7/55.1
Outdoor Unit Dimensions								
Width (inches)	30 <sup>11</sup> / <sub>16</sub>	29 <sup>7</sup> / <sub>8</sub>	33 <sup>11</sup> / <sub>16</sub>	35 <sup>3</sup> / <sub>16</sub>	30 <sup>11</sup> / <sub>16</sub>	29 <sup>7</sup> / <sub>8</sub>	33 <sup>11</sup> / <sub>16</sub>	35 <sup>3</sup> / <sub>16</sub>
Height (inches)	21 <sup>5</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>16</sub>	27 <sup>13</sup> / <sub>32</sub>	33 <sup>7</sup> / <sub>8</sub>	21 <sup>5</sup> / <sub>16</sub>	23 <sup>3</sup> / <sub>16</sub>	27 <sup>13</sup> / <sub>32</sub>	33 <sup>7</sup> / <sub>8</sub>
Depth (inches)	9 <sup>13</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>16</sub>	13.0	9 <sup>13</sup> / <sub>16</sub>	11 <sup>3</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>16</sub>	13.0
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 <sup>1</sup>								
Main Pwr. Connection	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit	Outdoor Unit
Min. 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) <sup>2</sup>	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 <sup>3</sup>	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)				19.5°F - 113°F (heating)			

<sup>1</sup> Always follow local or national codes.

<sup>2</sup> SMA/SMH09 and -12 require low voltage (35V DC) connection between outdoor and indoor units. SMA/SMH18 and -24 models require a line voltage connection between indoor and outdoor units. Follow local and national codes for requirements.

<sup>3</sup> 25' recommended.

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

## HEAT CONTROLLER, INC.

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THE QUALITY LEADER IN CONDITIONING AIR

*Comfort-Care*<sup>®</sup>  
by HEAT CONTROLLER, INC.

**"S" Series Ductless Mini-Split Systems**



**Single zone models in cooling only and  
heat pump versions - 9,000 to 24,000 BTUH**

# Economical comfort without

Ductless mini-split systems solve the problem of cooling and/or heating a space when adding ductwork is impractical or too expensive. The matched combination of outdoor condenser and indoor air handler fits virtually anywhere, is simple to install and economical to operate.

Ductless mini-splits are ideal for a wide range of applications, both in existing structures as well as new construction:

- **Residential**—Homes where it's difficult or not desirable to add ductwork or use a window air conditioner; renovations and restorations; additions, sunrooms, bedrooms; workshops
- **Industrial/Commercial**—Warehouse offices; interior space without a window; computer rooms; restaurants
- **Specialized**—Sports arena skyboxes; nursing homes, hospitals, churches



INSTALLATION REQUIRES AN  
OPENING LESS THAN  
3" IN DIAMETER TO  
CONNECT THE INDOOR  
AND OUTDOOR SECTIONS.

## SINGLE ZONE 9,000 TO 24,000 BTU



Cool or heat a room without adding ductwork or  
from a window. With the split system design, the  
outside and an unobtrusive air handler is r

Unit comes complete with one indoor  
one outdoor condensing unit and a full fe

## Economical Zone Control

These 13 SEER ductless mini-splits are energy savers because only the room or area being used is cooled or heated. Also, no energy is used to force air through the 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 this easy since it has both temperature and mode selection features.

## Quiet Operation

The design of ductless systems means that most of the operating noise is kept outside with the condensing unit. The indoor air handler is whisper-quiet, thanks to quality construction and a multi-speed, high tech cross-flow fan that provides uniform, even air flow out of the unit. Louver swing can be selected for a gentle breeze-like air flow.

# Without the expense of ductwork

4,000 BTUH



COOLING ONLY AND HEAT PUMP MODELS AVAILABLE IN VARIOUS SIZES.

For blocking the view, the condenser is located outside and mounted inside.

Indoor air handler, available with a remote.

## Simple Installation

All it takes to connect the indoor and outdoor units is a hole less than 3" in diameter in the outside wall. The refrigerant lines and electric wires connecting the two sections can be up to 25' apart. The compact outdoor unit can be located close to the home or building; the indoor unit hangs on a bracket that's easily mounted on the wall.

A mini-split installation maintains the security of the home or building. Any worries about a window air conditioner allowing access to the home don't exist with a mini-split—the only "opening" is the small hole for passage of the connecting pipes and wires.

## Convenience Features

Self-diagnostics are built into the unit, making it easy to quickly identify any operational problems. A three-minute time delay at start-up protects the compressor from short cycling. If a power outage occurs, the auto restart feature reverts to the last programmed setting when the power is restored.

## Attractive Appearance

The low profile design and stone white exterior of the indoor air handler blends with all decors. Units extend just 9" to 12" into the room, depending on the model, offering flexibility in installation.

## Designed for Maximum Comfort

- **Auto Operation**—Adjusts fan and mode to maintain the selected room temperature
- **Multiple Modes**—Air conditioning, fan only, and dehumidification modes; SMH heat pump models also have heating capabilities
- **Sleep Mode**—Saves energy by automatically adjusting the setting while you sleep
- **Hot Start**—On heat pump models, prevents discharge of cool air when unit turns on in the heat mode
- **24-Hour Timer**—Programs the unit to turn on and off at selected times, saving energy while you're away from home
- **Washable Filters**—Remove pollutants from the air, and can be easily accessed for cleaning
- **Louver Settings**—Both horizontal and vertical louvers can be set for air direction; louver "swing" can be selected for a gentle, breeze-like effect that reduces temperature stratification

The "S" Series of ductless mini-splits uses environmentally friendly R-410A

A FULL FEATURED REMOTE COMES WITH EACH UNIT, MAKING IT EASY TO CHECK TEMPERATURES AND PROGRAM SETTINGS.



*Comfort-Caire*®