



## 'S' Series Mini-Splits

### 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 as with central air conditioning or heating systems.

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" or less into the room, depending on the model. For installation flexibility, this section can be located up to 65 feet from the outdoor unit.

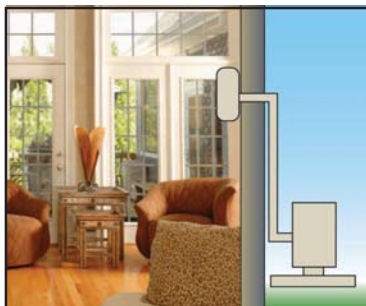
Not only is the air handler visually unobtrusive, it's also so quiet you'll forget it's even there. The 18,000 BTUH models feature four fan speeds; other models have three fan speeds.

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

#### Applications

Single zone models are especially suited to one room residential installations such as bedrooms, sunrooms, additions, and workshops. They're also excellent for homes with hydronic heat. In historic properties, they maintain the structure's aesthetics; not only is a mini-split more attractive than a window air conditioner, but it also eliminates security concerns.

Single zone mini-splits can be used in commercial installations such as schools, nursing homes, hospitals, restaurants, arena sky boxes, computer rooms—anywhere individual comfort control is desired.



Indoor Unit

9,000 to  
24,000  
BTUH

13 SEER



Includes full featured remote



Outdoor Unit

#### FEATURES

- **Attractive Cabinet**—Indoor units feature a slim profile with rounded corners
- **Whisper Quiet**—High tech cross flow fan in the indoor unit delivers balanced air flow
- **Multiple Modes**—Cooling, dehumidification only, air circulation (heating in heat pump models), plus...
  - Sleep mode
  - 24-hour timer
  - Jet cool
  - Auto sleep mode
- **Temperature Compensation**—Indoor unit adjusts automatically as needed to eliminate stratification between ceiling and floor temperatures
- **Remote Control**—Makes it easy to program and operate the unit
- **Random Swing**—Continually adjusts air direction for a gentle, breeze-like effect that's preferred by most people
- **Multi-Stage Filtration**—Includes electrostatic filter, antifungal filter and deodorizing filter for improved indoor air quality
- **Hot Start**—On heat pump models, eliminates cool air release when the unit turns on
- **Auto Restart**—Reverts to the last setting following a power failure



# 'S' Series Single Zone

# 13 SEER

	Air Conditioning Models				Heat Pump Models			
FEATURES	SMA09SB-0	SMA12SB-0	SMA18SB-1	SMA24SB-1	SMH09SB-0	SMH12SB-0	SMH18SB-1	SMH24SB-1
Power Supply	115V-1-60	115V-1-60	208/230V-1-60	208/230V-1-60	115V-1-60	1115V-1-60	208/230V-1-60	208/230V-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
<b>Indoor Unit</b>								
Air flow (CFM)	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
<b>Air Direction (4-Way)</b>								
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
<b>Indicator Lamps</b>								
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
<b>Indoor Unit Dimensions</b>								
Width (inches)	31-1/8	36-3/16	49-3/16	49-3/16	31-1/8	36-3/16	49-3/16	49-3/16
Height (inches)	10-13/32	11-1/2	13	12-13/16	10-13/32	11-1/2	13	12-13/16
Depth (inches)	7-11/16	8-7/8	8-7/8	9-1/8	7-11/16	8-7/8	8-7/8	9-1/8
Net Wt/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
<b>Outdoor Unit Dimensions</b>								
Width (inches)	30-11/16	29-7/8	33-11/32	35-3/16	30-11/16	29-7/8	33-11/32	35-3/16
Height (inches)	21-5/16	23-3/16	27-13/32	33-7/8	21-5/16	23-3/16	27-13/32	33-7/8
Depth (inches)	9-13/16	11-3/16	13-3/16	13	9-13/16	11-3/16	13-3/16	13
Net Wt/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
<b>Electrical Data Outdoor Unit<sup>1</sup></b>								
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>1,2</sup>	18-4 (300V)	18-4 (300V)	Line Voltage per NEC	Line Voltage per NEC	18-4 (300V)	18-4 (300V)	Line Voltage per NEC	Line Voltage per NEC
<b>Line Sets O.D. (in.) / Refrigerant</b>								
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)				65°F - 113° F (cooling) / 19.5° F - 113° F (heating)			

<sup>1</sup> Always follow local, state and national electrical codes.

<sup>2</sup> 9K/12K Models: The required cable connecting the indoor and outdoor units 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 should be specified by local and national electrical codes. The voltage running through the cable is 208/230V AC.

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

## HEAT CONTROLLER, INC.

1900 Wellworth Ave., Jackson MI 49203 • Ph. 517-787-2100 • [www.heatcontroller.com](http://www.heatcontroller.com)