Ductless Mini-Split Systems

A variety of sizes and types to fit a wide range of applications

Ductless mini-splits solve the problem of cooling and/or heating a room or space where adding ductwork is impossible, impractical or just too expensive. With the split system design, the condenser is located outside and a low profile, unobtrusive air handler is mounted inside on a wall or ceiling. The systems fit virtually anywhere and are simple to install. With SEER ratings up to 19.1, they're also economical to operate. Century offers single zone and multi-zone models in a wide range of capabilities.

Residential	Commercial
• Historic properties	• Nursing homes
• Sunrooms, additions	• Schools, churches
• Bedrooms	• Computer rooms
• Workshops	• Warehouse offices
• Renovations	• Arena skyboxes

MINI-SPLIT FEATURES

- **Ultra-Quiet Operation**—Multi-speed, high tech fan for whisper quiet, balanced airflow
- **Auto Operation**—Climate controls sense the room temperature and adjust the fan and mode as needed to maintain the desired temperature
- **Multiple Modes**—Cooling, fan only, dehumidification, and jet cool (also heating for heat pump models) for maximum comfort
- **Sleep Mode**—Automatically programs the fan speed and adjusts temperature during the night for more comfortable sleep
- **24-Hour Timer**—Program the unit to turn on and off, saving energy when you're away from home
- **Louver Settings**—Both horizontal and vertical louvers can be set for airflow direction; louver "swing" can be selected for a gentle, breeze-like effect
- **Self-Diagnostics**—Makes it easy to quickly identify any problems
- **Multi-Stage Filtration**—Helps improve indoor air quality; electrostatic filter removes pollen, dust and smoke; anti-fungal filter prohibits the growth of bacteria and mold; deodorizing filter freshens the air
- **Energy Efficiency**—Saves energy because only the room or area being used is conditioned—and each zone is individually controlled

Installation

Installation is simple, requiring a hole just 3" in diameter or less to run refrigerant lines and electrical wires between the indoor and outdoor units. For multi-zone units, a hole is needed for each indoor unit.

Inverter Technology: Taking comfort and efficiency to the next level

Inverter TECHNOLOGY

Century's new "V" Series mini-splits utilize inverter technology to reduce temperature fluctuations in the room being conditioned, while saving up to 40% on energy consumption compared to traditional mini-split systems.

Basically, the inverter varies the frequency of power going to the compressor, allowing the compressor to run at variable speeds. A microprocessor adjusts the compressor speed to match the demand, providing precise temperature control and reducing compressor on/off cycling.

Most of the time the unit runs at a low, "economy" speed to maintain the temperature and humidity levels. During times of high demand, it automatically ramps up to a higher speed.

In addition to precise temperature control, mini-split systems are also effective at dehumidification. In non-inverter systems, the compressor cycles on and off and dehumidification stops when the compressor does. In an inverter system the compressor is typically running, which also means the relative humidity in the room or area is constantly and evenly maintained.

environmentally friendly R-410A

All Century ductless mini-splits use non-ozone depleting R-410A refrigerant.

QUALIFIES FEDERAL TAX CREDITS FOR ENERGY EFFICIENCY

ENERGY STAR

9000 BTUH "V" Series Models are Energy Star Compliant and qualify for energy efficiency tax credits.

"V" Series Warranty—6 years on compressor, 2 years on parts
Other Mini-Split Systems—5 years on compressor, 1 year on parts
(Some limitations apply; see printed warranty for details.)

Inverter technology improves comfort, efficiency

Energy effiicency reaches new highs with inverter technology. The compressor speed is variable, depending on the load demand. Most of the time the unit runs at low RPMs, saving energy while maintaining the comfort level. For high demand, the compressor automatically ramps up to higher RPMs.

Because the unit is running constantly at low speeds, temperature fluctuations are eliminated, as well as compressor on/off cycling. Dehumidification occurs while the unit is running, or can be selected in the fan mode. The V Series is available in cooling only and heat pump models with built-in low ambient operation (from 5-23ºF depending on model–typically 14ºF on most models).

Indoor Unit

Outdoor Unit

CERTIFICATION APPLIES ONLY WHEN COMPLETE SYSTEM IS LISTED WITH AHRI

Cooling Models					
FEATURES	VMC09SB-1*	VMC12SB-1	VMC18SB-1	VMC24SB-1	VMC30SB-1
Power Supply	208/230-1-61	208/230-1-61	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
SEER	19.1	18.6	16.0	16.0	16.0
Dehumidify (Pts/Hr.)	3.2	3.2	4.4	5.7	7.2
Air Flow (CFM)	300	335	494	565	710
Fan Speeds	4	4	4	4	4
Indoor Unit Dimensions					
Width (inches)	35¼	35¼	43	43	47⅜
Height (inches)	11⅛	11⅛	11⅘	11⅘	13⅜
Depth (inches)	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
Outdoor Unit Dimensions					
Width (inches)	30⅓	30⅓	34⅓	34⅓	34¼
Height (inches)	21⅓	21⅓	25⅘	31½	31½
Depth (inches)	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
Heat Pump Models					
FEATURES	VMH09SB-1*	VHM12SB-1	VMH18SB-1	VMH24SB-1	VMH30SB-1
Power Supply	208/230-1-61	208/230-1-61	208/230-1-60	208/230-1-60	208/230-1-60
Cooling Cap. (BTUH)	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
Dehumidify (Pts/Hr.)	3.2	3.2	4.4	5.7	7.2
Heating Cap. (BTUH)	11,700/12,000	15,100/15,500	20,200/20,700	26,600/27,300	28,300/29,000
HSPF	9.6	9.5	8.2	8.2	8.0
Air Flow (CFM)	300	335	494	565	710
Fan Speeds	4	4	4	4	4
Indoor Unit Dimensions					
Width (inches)	35¼	35¼	43	43	47⅜
Height (inches)	11⅛	11⅛	11⅘	11⅘	13⅜
Depth (inches)	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
Outdoor Unit Dimensions					
Width (inches)	30⅓	30⅓	34⅓	34⅓	34¼
Height (inches)	21⅓	21⅓	25⅘	31½	31½
Depth (inches)	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

**VMC/VMH09 models qualify for energy efficiency tax credits.*

FEATURES

- **Auto Operation**—Adjusts mode and fan to maintain temperature
- **Multiple Modes**—Cooling, fan only, dehumidification, sleep mode and heating (for heat pumps)
- **24-Hour Timer**—Program on/off times to save energy
- **Louver Settings**—Set vertical and horizontal or select random swing for a gentle breeze-like effect
- **Self-Diagnostics**—Makes it easy to identify any problems
- **Multi–Power**—30,000 BTUH models include two compressors to efficiently handle large capacity
- **Triple Filtration**—Filters dust, pollen, etc., freshens, and prohibits mold/bacteria growth

ADVANTAGES OF INVERTER TECHNOLOGY

- Quickly reaches the desired setpoint
- Provides precise temperature control for maximum comfort
- Dehumidifies continuously in cooling mode to maintain comfortable relative humidity
- Extends component life by eliminating on-off cycling
- Exceptional energy efficiency with SEER ratings as high as 19.1