

intelli-AIR™ Ducted Solutions

All-electric
comfort
innovations



 **intelli-AIR**

Introducing

intelli-AIR

Ducted Solutions



PVA
Multi-position
Air Handler



SVZ
Multi-position
Air Handler



intelli-HEAT™
Dual Fuel System



SEZ/PEAD
Horizontal-ducted
Indoor Unit

All-Electric Heat Pumps: A Better Way to Heat and Cool

Improved sustainability and comfort go hand-in-hand in modern, healthy homes. That's why our highly efficient heating and air conditioning innovations also maximize comfort, wellness and durability.

Our intelli-AIR™ Ducted Solutions are ducted mini- and multi-split heat pump systems designed for every home and lifestyle. Discreet and fully concealed, this product line provides the unparalleled efficiencies of variable-capacity heat pump systems along with the aesthetic appeal of a fully ducted solution.

Mitsubishi Electric's intelli-HEAT Dual Fuel System delivers cost-effective, eco-friendly, year-round heating and air conditioning. With our variable speed technology and smart controls, like kumo touch™, you can greatly reduce greenhouse gas emissions and lower your utility bills. Experience a quieter outdoor environment with complete indoor comfort even as outdoor temperatures dip as low as -13°F.

A home with different comfort zones.



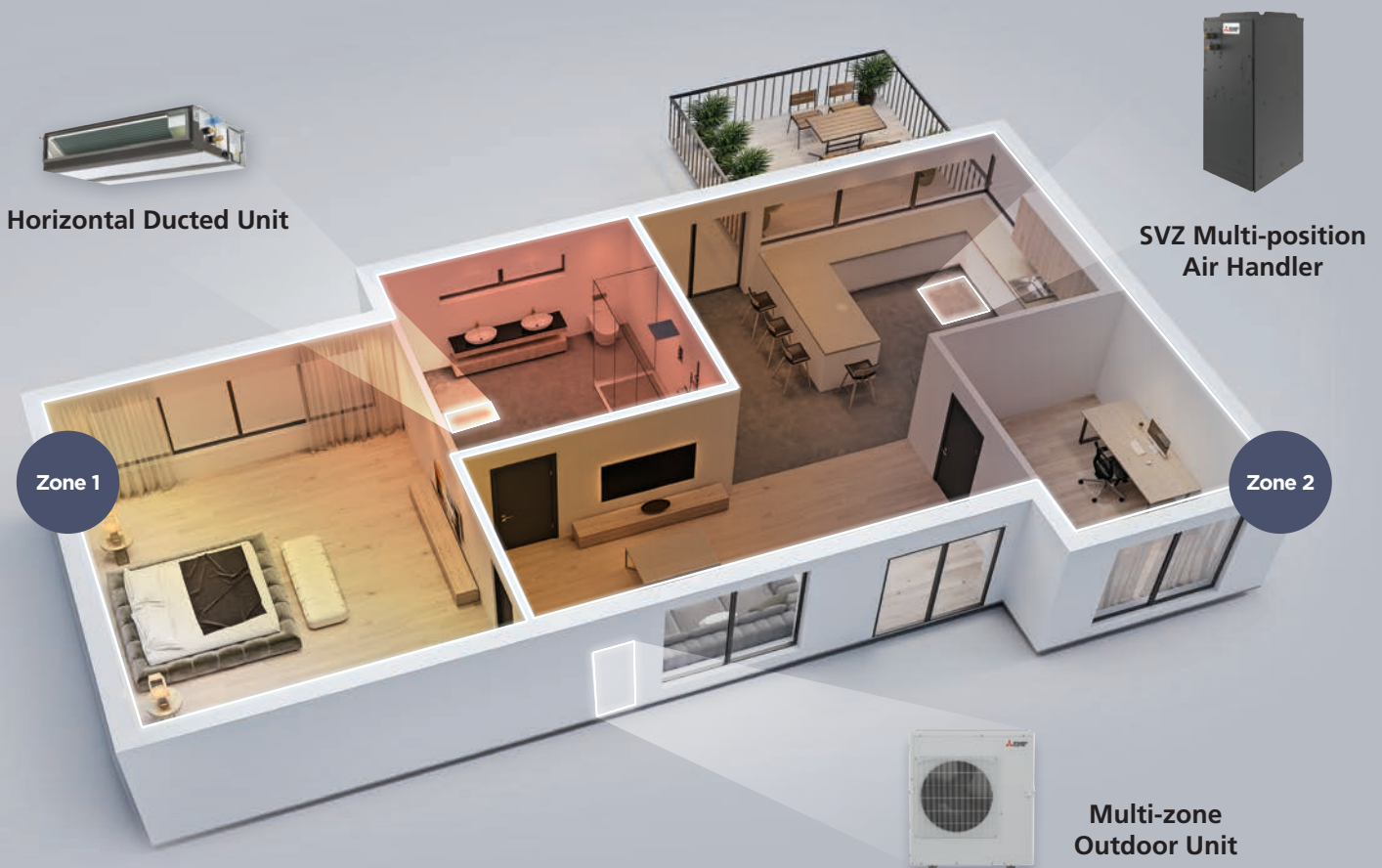
Multi-Zone

A multi-zone, multi-split system can provide customizable comfort for up to eight distinct comfort zones. Maintain separate temperatures for your bedroom, children's playroom, kitchen and other areas without compromising comfort in other parts of the home. Zones can also be "set back" when not in use for greater efficiency.



Single-Zone

A single-zone, mini-split system can condition an entire floor or single specific zone. You may choose to divide their home into an east zone and a west zone and install a single-zone system for each.



Zoned Comfort

Choose from single- and multi-zone configurations based on your comfort control needs and the home's design. Multi-zone systems can have up to two multi-position air handlers and up to six horizontal-ducted indoor units can be added to maintain individual temperatures in other zones. If you are updating or adding to a furnace you can use a single intelli-HEAT™ with multiple horizontal-ducted indoor units.

A multi-zone system can also combine ductless units with intelli-AIR ducted units. Available ductless styles include wall-mounted, floor-mounted, and ceiling-recessed for ultimate design flexibility.

Multi-Position Air Handlers and Cased Coils

Compact, durable, and versatile, Multi-position air handlers provide effective heating and cooling for new builds, replacements, and retrofits. These units are also ideal for households looking to convert existing fossil fuel-burning ducted systems to a more sustainable all-electric solution. The SVZ and PVA models offer high-performance air conditioning for a whole home or several zones. Each air handler is carefully constructed for easy installation, simplified maintenance and minimized sound levels. Unlike typical gas furnaces, our multi-position air handlers can be installed horizontally or vertically, allowing them to fit virtually any home.

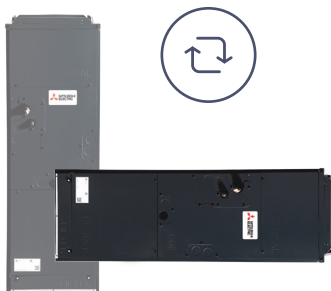
SVZ Model



These compact and quiet air handlers can be paired with the MXZ and the SUZ Universal Outdoor Unit for INVERTER-driven efficiency. The SVZ is an ideal replacement for traditional forced-air systems or adding to new additions.

- Sizes: 12, 18, 24, 30, 36 KBTU/H
- Quiet operation as low as 29 dB(A)
- Humidifier and ERV interface connection
- Single-zone or multi-zone

PVA Model



These air handlers offer larger capacities and are appropriate for large homes, multi-family buildings, and light commercial spaces. The PVA is an ideal solution for projects requiring a longer distance between the air handler and the outdoor unit.

- Sizes: 12, 18, 24, 30, 36, 42 KBTU/H
- Quiet operation as low as 24 dB(A)
- Can be integrated with existing back up heating systems
- Single-zone

PAA Model

intelliHEAT



The intelli-HEAT™ Dual Fuel System is specifically designed to fit on top of an existing gas or propane furnace*. With our innovative Intelligent Switchover technology, intelli-HEAT automatically switches from electricity to fossil fuels only when outdoor conditions cause it to become more efficient and effective to do so. With intelli-HEAT, you can be confident that your system is always operating at peak environmental and cost efficiency.

- Compatible with P-Series single- or M-Series multi-zone outdoor units, including hyper-heating models.
- Sizes: 18, 24, 30, 36, 42 KBTU/H
- Intelligent Switchover heat pump to furnace

*Mitsubishi Electric air conditioner and heat pump systems should only be connected with ANSI-Z21.47/CSA2.3 certified furnaces

Horizontal-ducted Indoor Unit Options

Horizontal-ducted Indoor Units are concealed from view while providing the ultimate in comfort and energy efficiency. Available in low-static (low airflow) or mid-static (medium airflow), the SEZ and PEAD models can be installed in the ceiling, below the floor or behind a bulkhead. The SEZ is typically used for short duct runs, where the unit is installed in the zone it is serving and conditions the air for one or two rooms. The PEAD supports longer duct runs, where the unit can be farther away from the zone it is serving.

SEZ Model

Low-Static



Available as a single-zone or a multi-zone system the low pressure SEZ horizontal-ducted units provide comfort and efficiency while staying hidden either in the ceiling or beneath the floor and work well with existing ductwork for short duct lengths.

- Sizes: 9, 12, 15, 18 KBTU/H
- Rear air flow return or bottom return (with optional accessory)
- Quiet operation as low as 23 dB(A)
- Small footprint
- Compatible with MERV 13 filters for enhanced indoor air quality with optional filter box
- Single-zone or multi-zone

PEAD Model

Mid-static



Available as a single-zone or a multi-zone system, the PEAD model offers low capacities suitable for Passive Houses and large capacities suitable for light commercial uses such as offices, retail and restaurants. These medium pressure units are capable of serving large spaces or multiple rooms from a longer duct run. The PEAD model may be mounted in the attic, hidden in the ceiling or beneath the floor.

- Sizes: 9, 12, 15, 18, 24, 30, 36, 42 KBTU/H
- Rear air flow return or bottom return (with optional accessory)
- Quiet operation as low as 24 dB(A)
- Small footprint
- Compatible with MERV 13 filters for enhanced indoor air quality with optional filter box
- Single-zone or multi-zone

Compatible Outdoor Units

Outdoor units from Mitsubishi Electric are available in a wide range of capacities, sizes and functionalities, including single-zone and multi-zone heating, and air conditioning. Your contractor will help you select the right outdoor unit based on a number of factors including your home's square-footage, number of zones, local climate and your home energy goals.

Units featuring hyper-heating technology are designed to efficiently provide 100% heating capacity to 5 degrees and are guaranteed to continue operating at temps as low as -13, providing between 70-93% of heating capacity at extreme outdoor temperatures.

Universal Heat Pump

Single-zone

The SUZ Universal Outdoor Unit gives you many options with an expanded capacity line-up and compatibility with multiple indoor unit styles. When paired with the right indoor unit, the SUZ's simplicity and versatility makes it great for reliably solving common comfort issues including hot and cold spots in your home, or conditioning a finished basement. The SUZ Universal Outdoor Unit is also available in with hyper-heating technology.



Multi-zone Heat Pumps

Multi-zone

MXZ and MXZ-SM model heat pump units pair with up to eight indoor units to provide high-efficiency, personalized comfort to multiple zones within a home. Their flexibility and compatibility with a range of ducted and ductless indoor units makes the multi-zone outdoor units an ideal choice for multi-room installations, while reducing energy costs. The MXZ and MXZ-SM models are available as both a standard heat pump and a hyper-heating models.



P-Series Air Conditioners and Heat Pumps

Single-zone heating and air conditioning

P-Series outdoor units provide superior heating and cooling performance to provide high-efficiency, personalized comfort for large residential or light commercial applications. These single-zone units can be connected to two of the same indoor units in order to sufficiently condition a larger interior space. P-Series units are available as cooling only, heat pump, and hyper-heating models.





intelli·AIR

The next generation of heating and cooling

How Variable-capacity Heat Pumps Work

Our mini- and multi-split systems use all-electric, variable-capacity heat-pump technology to provide energy-efficient heating and air conditioning without the use of fossil fuels.

Our systems consist of a compact outdoor unit connected to one or more indoor units using small refrigerant piping. Air is heated by moving outdoor thermal energy (heat) indoors using refrigerant. This process is reversed for air cooling. Simply put, moving heat uses less energy than burning fossil fuel, making variable-capacity heat pumps better for the environment and your energy bill.

Cooling Cycle



Heating Cycle





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