

# Mr.SLIM®

# **M-SERIES**

HEAT PUMPS & AIR CONDITIONERS



# **OUR MOST ADVANCED LINEUP YET,**

USING LOW GLOBAL WARMING POTENTIAL (GWP) R-454B REFRIGERANT





# **PRODUCT CATALOGUE**









# **Environmental Sustainability Vision 2050**

### **Environmental Declaration**

Protect the air, land, and water with our hearts and technologies to sustain a better future for all.



To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.

# R-454B Refrigerant

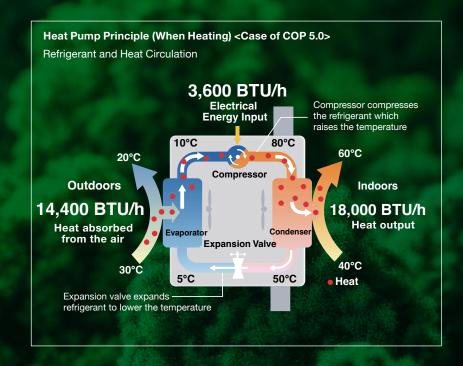
Our all-electric HVAC systems using R-454B refrigerant are designed to deliver reliable comfort with a lower environmental impact. R-454B supports energy efficiency and sustainability, aligning with our commitment to innovation. Like other common household systems—such as gas furnaces and stoves—R-454B is safely used thanks to strict safety standards and advanced engineering. Our systems are built with robust safeguards, and many include smart refrigerant monitoring for added peace of mind. With R-454B, you're choosing a modern, responsible solution that reflects the safety, reliability, and environmental care built into every product we offer.





## **Preventing Global Warming**

Heat pump technology inspires Mitsubishi Electric to design air conditioners that harmonize comfort and ecology.



## **Balancing comfort and ecology**

Mitsubishi Electric develops technologies to balance comfort and ecology, achieving greater efficiency in heat pump operation.

	Comfort	Ecology				
1. Inverter	Faster start-up and more stable indoor temperature than non-inverter units.	Fewer On/Off operations than with non-inverter, saving energy.				
2. 3D i-see Sensor	Since the positions of people can be detected, airflow can be set to personal taste, such as in airflow path or protected from the wind. The ability to adjust to individual preferences realizes more comfortable air conditioning.	Since the number of people in a room can be detected, energy-saving operation is adjusted or the power is turned off automatically. Efficient air conditioning with less waste is realized.				
3. Flash Injection	Achieves high heating capacity even at low temperatures, plus faster start-up compared to conventional inverters.	Expands heat pump heating system to the cold regions to replace combustion heaters.				
4. Dual Barrier Coating Dual Barrier Material	Prevents the indoor unit from getting dirty, delivering you clean air.	Keeping the inside of air conditioner clean leads to efficient operation and energy saving.				

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100% HEATING CAPACITY DOWN TO -23 °C









# Wide Capacity Range: 6,000 - 24,000 Btu/h

The **FX Series** features Mitsubishi Electric's most advanced Hyper Heat h2i technology, delivering year-round comfort in extreme climates with quiet, energy-efficient operation, 3D i-see Sensor control, and triple-action filtration.









SINGLE-ZONE



MULTI-ZONE



**Industry-Leading Hyper Heat Technology** 





#### **KEY FEATURES:**

#### **3D i-see Sensor**

Intelligently personalizes airflow to occupants, optimizing energy savings and delivering unmatched comfort.

#### **Built-In Wi-Fi Connectivity**

Adjust comfort settings from anywhere in the world.

#### **Smart Dry**

New and improved advanced dehumidification mode.

# Whisper Quiet Operation

Indoor units as low as 20 dB (A) ensure minimal noise for maximum comfort.

#### **Advanced Multilayer Air Filtration**

Ensures optimal air quality and prolonged equipment lifecycle.

#### **Dual Barriers**

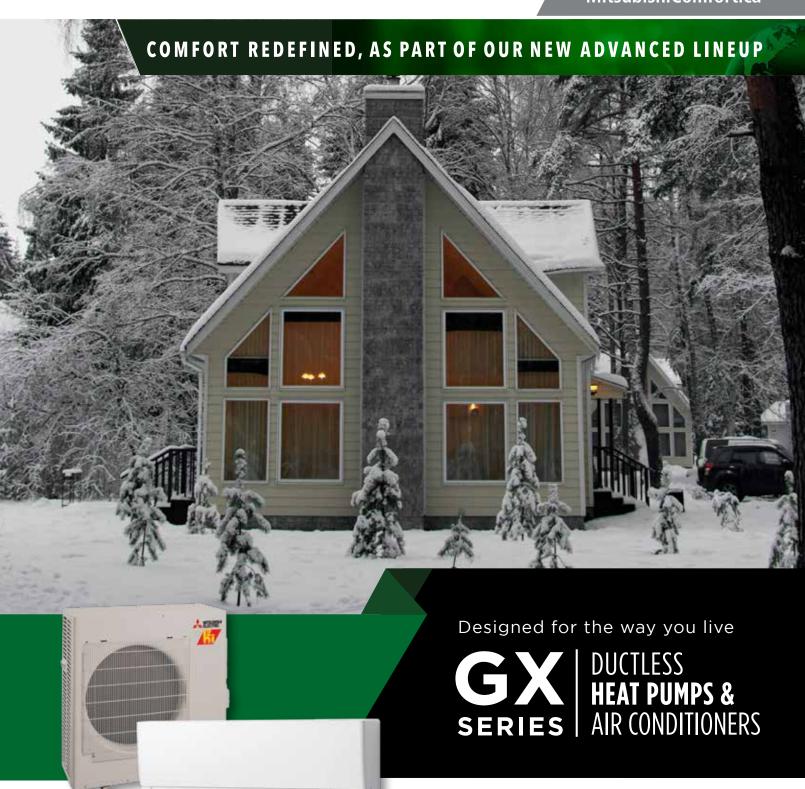
Indoor unit coatings simplify cleaning, ensuring efficiency with minimal maintenance.

#### **Base Pan Heater**

Provides freeze protection and defrost drainage.









OPERATES DOWN TO -37 °C†



100% HEATING CAPACITY DOWN TO -15 °C\*\*



SUPERIOR SYSTEM PERFORMANCE



INCREASED ENERGY EFFICIENCY



# **Wide Capacity Range:** 9,000 - 36,000 Btu/h

The Mitsubishi Electric GX Series combines compact style with exceptional efficiency for cold climates, providing year-round comfort with quiet, energy-saving performance for every space.







**STANDARD HFAT PUMP** 



CONDITIONER



SINGI F-70NF



OR



MUITI-70NF



#### **Available in ZUBA Cold Climate models:**

Zuba is a family of Cold Climate Heat Pumps featuring Hyper Heat Technology and was developed as a home heating and cooling system specifically for Canada.





#### **KEY FEATURES:**

#### Whisper Quiet Noise Levels

Indoor units are as low as 19 dB(A).

#### **Multilayer Air Filtration**

Ensures optimal air quality and prolonged equipment lifecycle.

#### Smart Drv

New and improved advanced dehumidification mode.

#### **Built-In Wi-Fi Connectivity**

Adjust comfort settings from anywhere in the world.

#### **Dual Barrier Coating**

Indoor unit coatings simplify cleaning, ensuring efficiency with minimal maintenance.

#### **New Matte Finish**

Scratch-resistant, long-lasting, and easy to clean.

#### **Base Pan Heater**

Provides freeze protection and defrost drainage.







# Heating and Cooling













# Nominal Capacity Range: 9,000 - 12,000 Btu/h

Mitsubishi Electric leads the HVAC industry with high-performance, energy-efficient products. The 115 V **JX series** ductless heat pumps deliver premium comfort, superior performance, and unmatched reliability.











#### **KEY FEATURES:**

# Advanced inverter-driven compressor technology

Optimize energy efficiency and extend equipment lifecycle.

# **Whisper Quiet Noise Levels**

Indoor units as low as 22 dB(A) ensure minimal noise for maximum comfort.

## **Built-In Wi-Fi Connectivity**

Adjust comfort settings from anywhere in the world.

# **Smart Dry**

New and improved advanced dehumidification for optimal indoor comfort.

## **Multilayer Air Filtration**

Improve indoor air quality (IAQ), and prolong equipment lifecycle.

#### **Econo Cool**

Intelligent energy savings mode adjusts airflow toward occupants based on outlet air temperature.

# **Dual Barrier Coating**

Coating on the indoor fan simplifies cleaning, ensuring efficiency with minimal maintenance.





# COMFORT REDEFINED, AS PART OF OUR NEW ADVANCED LINEUP



Efficient Performance, Made Simple.













# Nominal Capacity Range: 9,000 - 24,000 Btu/h

Renowned for reliability, Mitsubishi Electric sets the standard for climate-conscious, energy-efficient ductless heat pumps that deliver exceptional comfort and performance.











#### **KEY FEATURES:**

#### Advanced inverter-driven compressor technology

Enhances energy efficiency and extends equipment lifespan.

## **Whisper Quiet Levels**

Indoor units as low as 22 dB(A) ensure minimal noise for maximum comfort.

## **Smart Dry**

Advanced dehumidification delivers superior indoor comfort, maintaining ideal humidity levels and target room temperature

# **Dual Barrier Coating**

Coating on the indoor fan simplifies cleaning, ensuring efficiency with minimal maintenance.

# **Multilayer Air Filtration**

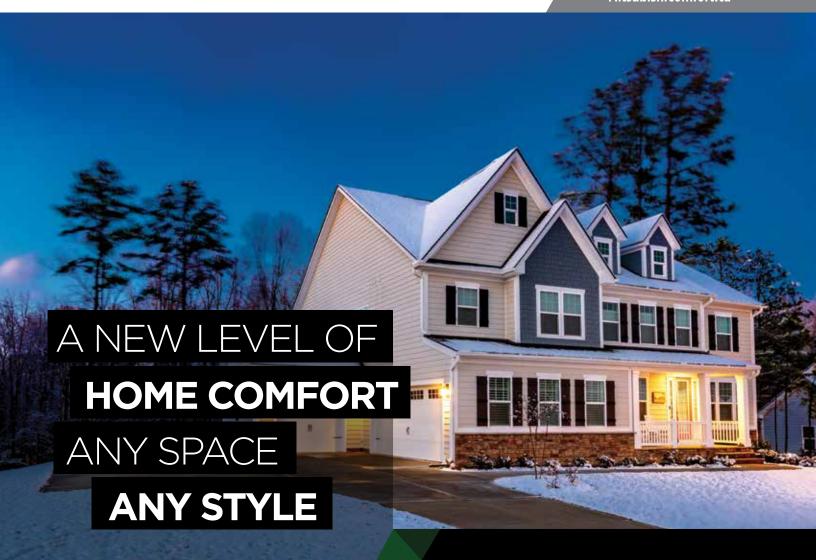
Ensures optimal air quality, and prolonged equipment lifecycle.

#### **Econo Cool**

Intelligent energy savings mode adjusts airflow toward occupants based on outlet air temperature.









# SUZ THE UNIVERSAL UNIT

Heat and cool with Mitsubishi Electric's most adaptable outdoor unit, now redesigned to operate with increased energy efficiency and superior performance.

OUR MOST ADVANCED LINEUP YET, USING LOW GLOBAL WARMING POTENTIAL (GWP) R-454B REFRIGERANT











# A NEW LEVEL OF **HOME COMFORT**. ANY SPACE. **ANY STYLE**

The **SUZ Universal Unit** is Mitsubishi Electric's most adaptable 1:1 heating and cooling outdoor unit, compatible with a range of indoor units with unique control options that fit seamlessly into any room.

#### The SUZ is Available in:

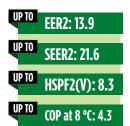
**STANDARD** 

IDAKD

HEATS TO -30°C

**COLD CLIMATE** 











# **Hyper-Heating Inverter Technology for Cold Climates**

The SUZ H2i Cold Climate heat pump can provide heating even when it's -30 °C\* outside operating at 100% heating capacity at -15 °C. These units are made for the Canadian Climate and provide year round comfort, even in extreme temperatures.



# **Energy Star Certified**

Energy Star certified options are widely available. Please refer to model information for more details.



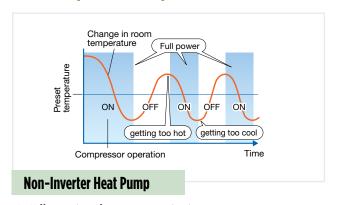


# **Redesigned High-Efficiency Compressor**

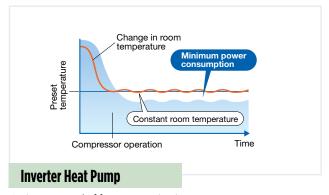
Through the optimization of a newly designed compressor and the use of the latest energy-saving technologies, the efficiency of Mitsubishi Electric's heat pumps has reached new heights. Our high performance compressors feature advanced variable-speed INVERTER-driven technology, which varies the compressor speed dynamically to continuously adapt to the conditioning requirements of the room.



### **Inverter Operation Comparison**



On/Off operation of compressor maintains room temperature.



Optimum control of frequency maintains preset room temperature.





## **Base Pan Heater**

The base pan heater ensures stable operation in low temperature environments, preventing operation disruptions and reduced capacity caused by drain water freezing. It is now available on all SUZ models.







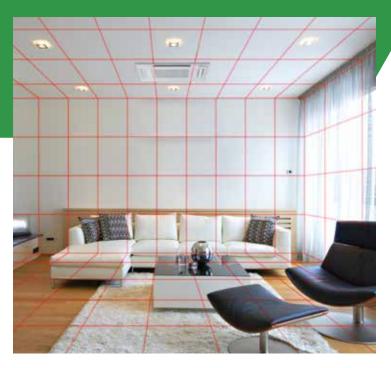
# **Low Noise**

Operation noise tests are performed in an anechoic chamber with a very low 10dB of background noise. This ensures extremely quiet units with minimal operation noise from 48dB (sound pressure level).



# **Blue Fin Protection**

Blue Fin coating is applied to the heat exchanger to increase protection against corrosion, particularly in seacoast settings.





# Unprecedented Comfort 3D F-see Sensor

Incorporating the same semiconductor used in our spaceborne satellites, the 3D i-see Sensor from Mitsubishi Electric directs the perfect amount of heating or cooling towards those who need it most. And when you leave the room, it automatically switches into energy saving mode to help save you money.

Intelligently scanning the entire room and dividing it into 752 zones, it detects exactly where you and your family are located based on your unique body temperature. The 3D i-see sensor is so precise, it can even differentiate between people and pets!



## Wifi Connectivity

Adjust the comfort settings of your home remotely through our cloud app on your smart device, allowing for control at your fingertips, anywhere.



# **Superior Air Quality**

Simultaneously maintain optimal air quality as you heat or cool your home. Indoor models in the SUZ system may include one or more of these features:

#### **Electrostatic Allergy Enzyme Filter**

Charged with static electricity, this filter attracts and captures dust particles that regular filters cannot. It also works to trap and decompose allergens like mould and bacteria.

#### **Nano Platinum Filter**

This filter has a large capture area and incorporates nanometer-sized platinum-ceramic particles that work to kill bacteria and deodorize the circulating air.

#### **Air Purifying Filter**

A large capture area deodorizes the circulating air.

#### **Standard Air Filter**

Removes dust particles from the air.

#### Fresh Air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.



#### Econo Cool On



Temperature Distribution (°F)

Conventional Cooling Mode



# \*\*

# **Econo Cool Energy Saving Feature**

Econo Cool is an intelligent temperature control feature that adjusts the amount of air directed towards room occupants based on the air-outlet temperature.



**Optional M-NET Connection** Units can be connected to MELANS system controllers (M-NET controllers).

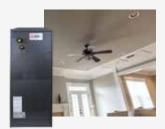
# **SUZ** SYSTEM

The SUZ Series features a selection of indoor units to complement any space.

# **INDOOR** UNITS



 $\begin{array}{c} SLZ\text{-}AF\\ \text{4-Way Ceiling Cassette} \mid \text{DUCTLESS} \end{array}$ 



SVZ-AP
Multi-Position | DUCTED



MFZ-KX Floor Mount | DUCTLESS



SEZ-AD
Ceiling-Concealed Low-Static | DUCTED



MLZ-KX
1-Way Ceiling Cassette | DUCTLESS



 $\begin{array}{c} PEAD\text{-}AA \\ \text{Ceiling-Concealed Mid-Static} \mid \text{DUCTED} \end{array}$ 

# **OUTDOOR** UNITS

### **Standard**



SUZ-CA09|12|15NLH



SUZ-CA18|24|30|36NLH



SUZ-CK48|60NLH

# **Cold Climate**





SUZ-AA09|12|15|18NLHZ



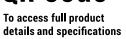
SUZ-AK24|30|36|48NLHZ

# **SUZ Compatibility**

Outdoor	Unit Capacity kBtu/h		9	1	2	1	5	1	8	2	4	3	0	3	6	4	8	60
Model	Туре	Standard	Cold 457 Climate	Standard														
SLZ-AF	4-Way Ceiling Cassette	•	•	•	•	•	•	•	•									
SEZ-AD	Low-static Ducted	•	•	•	•	•	•	•	•									
PEAD-AA	Mid-static Ducted	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
SVZ-AP	Multi-position Air Handler			•	•			•	•	•	•	•	•	•	•	NEW	NEW	NEW
MLZ-KX	1-Way Ceiling Cassette	•	•	•	•			•	•									
MFZ-KX	Floor Mount	•	•	•	•	•	•	•	•									









\*When installed and registered by a MEQ certified HVAC (Heating, Ventilation, and Air Conditioning) Installer. Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details.







# **MULTI ZONE**HEAT PUMPS

A NEW LEVEL
OF HOME
COMFORT
ZONED TO
PERFECTION

Enjoy optimal comfort settings customized to each room with Mitsubishi Electric's multi zone system - now redesigned to operate with increased energy efficiency and superior performance.







OUR MOST ADVANCED LINEUP YET, USING LOW GLOBAL WARMING POTENTIAL (GWP) R-454B REFRIGERANT









MitsubishiComfort.ca

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# **MULTI ZONE**HEAT PUMPS

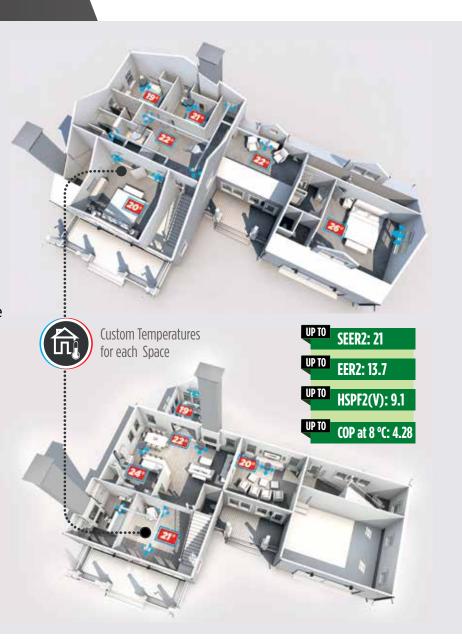
MULTI ZONE UNITS ALLOW YOU

TO CREATE AN **OASIS OF COMFORT** THROUGHOUT **YOUR WHOLE HOUSE**IN THE ROOMS YOU USE MOST.

# **SECOND** FLOOR

Each room (zone) operates independently with its own wireless or wired remote controller, so people in different rooms can choose the temperature that makes them most comfortable.

### **FIRST** FLOOR





# **Hyper-Heating Inverter Technology for Cold Climates**

Mitsubishi Electric's Multi Zone systems are available in standard and cold climate. Cold climate heat pumps feature hyper heat H2i technology providing heating even when it's -30 °C outside operating at 100% heating capacity at -15 °C. These units are made for the Canadian climate and provide year round comfort, even in extreme temperatures.



<sup>\*</sup>Outdoor units will operate to the manufacturer's pre-programmed cut-out (outdoor ambient) temperature which ranges from -30 °C to -10 °C. Product will resume operation at pre-programmed outdoor ambient cut-in temperature which ranges from -25 °C to -10 °C. (See product documentation for details.)



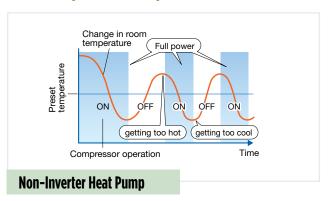


# Redesigned High Efficient Compressor

Through the optimization of a newly designed compressor and the use of the latest energy-saving technologies, the efficiency of Mitsubishi Electric's heat pumps have reached new heights. Our high performance compressors feature advanced variable-speed INVERTER-driven technology, which varies the compressor speed dynamically to continuously adapt to the conditioning requirements of each room.



#### **Inverter Operation Comparison**



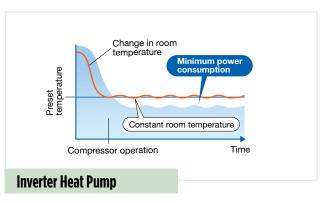
On/Off operation of compressor maintains room temperature.





### **Base Pan Heater**

The base pan heater ensures stable operation in low temperature environments, preventing operation disruptions and reduced capacity caused by drain water freezing. It comes built in on MXZ cold climate models and is optional on MXZ standard models.



Optimum control of frequency maintains preset room temperature.



# **Connect up to 5 Indoor Units**

A single outdoor unit can provide optimal heating or cooling for up to 5 zones.



# **Long Pipe Runs**

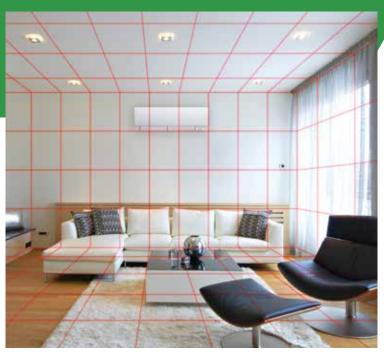
Up to 262 feet of piping for increased install flexibility.





### **Low Noise**

Operation noise tests are performed in an anechoic chamber with a very low 10dB of background noise. This ensures extremely quiet units with minimal operation noise from 49 dB(A).





# Unprecedented Comfort 3D F-see Sensor

Incorporating the same semiconductor used in our spaceborne satellites, the 3D i-see Sensor from Mitsubishi Electric directs the perfect amount of heating or cooling towards those who need it most. And when you leave the room, it automatically switches into energy saving mode to help save you money.

Intelligently scanning the entire room and dividing it into 752 zones, it detects exactly where you and your family are located based on your unique body temperature. The 3D i-see sensor is so precise, it can even differentiate between people and pets!



## Wifi Connectivity

Adjust the comfort settings of your home remotely through our cloud app on your smart device, allowing for control at your fingertips, anywhere.



# **Superior Air Quality**

Simultaneously maintain optimal air quality as you heat or cool your home. Indoor models in the multi-zone system may include one or more of these features:

#### **Electrostatic Allergy Enzyme Filter**

Charged with static electricity, this filter attracts and captures dust particles that regular filters cannot. It also works to trap and decompose allergens like mould and bacteria.

#### **Nano Platinum Filter**

This filter has a large capture area and incorporates nanometer-sized platinum-ceramic particles that work to kill bacteria and deodorize the circulating air.

#### **Air Purifying Filter**

A large capture area deodorizes the circulating air.

#### **Standard Air Filter**

Removes dust particles from the air.

#### Fresh Air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.



#### **Econo Cool On**



Temperature Distribution (°F)

58 61 64 68 72 75 79 82

**Conventional Cooling Mode** 



# \*

# **Econo Cool Energy Saving Feature**

Econo Cool is an intelligent temperature control feature that adjusts the amount of air directed towards room occupants based on the air-outlet temperature.



**Optional M-NET Connection** Units can be connected to MELANS system controllers (M-NET controllers) such as the AE-C400.

# **MULTI ZONE** SYSTEM

Connect up to 8 indoor units that complement any space.

# **INDOOR** UNITS



SLZ-AF 4-Way Ceiling Cassette | DUCTLESS



SVZ-AP
Multi-Position | DUCTED



MFZ-KX
Floor Mount | DUCTLESS



SEZ-AD
Ceiling-Concealed Low-Static | DUCTED



MLZ-KX
1-Way Ceiling Cassette | DUCTLESS



PEAD-AA
Ceiling-Concealed Mid-Static | DUCTED



MSZ-FX Wall Mount | DUCTLESS



MSZ-GX
Wall Mount | DUCTLESS



Hybrid Heating & Cooling | DUCTED Compatible with any existing furnace<sup>+</sup>



SCAN the QR Code
To view full compatibility details

**OUTDOOR** UNITS

#### **COLD CLIMATE**

# ZUBA MULTI



MXZ-2D20|3D24|3D30NLHZ

# STANDARD



MXZ-2D20NL



MXZ-3D24|4D30|5D36|5D42NL

<sup>†</sup>Furnace must comply with the ANSI Z21.47.CSA2.3 standard. Excludes Oil or Drum type furnaces. Do not install the PAA on any furnaces or applications where supply air temperature could exceed 93.3 °C / 200 °F, or where the furnace output capacity is greater than 300% of the rated PAA heating capacity. See Installation Manual for further information.

# SYSTEM **EXAMPLE**



Connection of up to 5 indoor units.



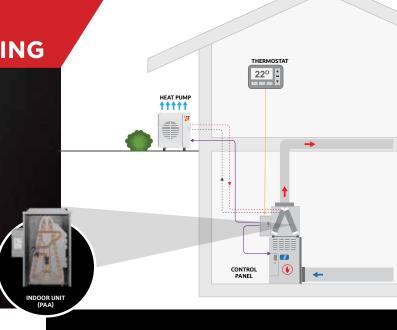


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# HYBRID **HEATING** AND **COOLING**

# IT'S TIME FOR A **HYBRID REVELATION.**

You've probably heard of hybrid cars before, but what is hybrid heating? Put simply, it's a home comfort system that uses the electric power of a heat pump to heat and cool your home while switching to your existing furnace when it's more efficient.



## FURNACES & HEAT PUMPS: WHAT ARE THE DIFFERENCES?

#### **FURNACES**

#### **Heats**

Provides heating only.



#### **Heats and Cools**

**HEAT PUMPS** 

Provides both heating and cooling.



#### **Lower Efficiency**

Energy efficiency rate of up to 99%.‡



#### **Higher Efficiency**

Energy efficiency rate of up to 425%, ++



#### **Burns Fuel**

Creates heat by burning fossil fuels like gas and propane.



#### **Transfers Heat**

In heating mode, extracts heat from outside and moves it inside. In cooling mode, the reverse occurs.



#### **Increases GHG**

Furnaces running on fossil fuels like gas and propane produce carbon emissions which harms the environment.



#### **Produces No GHG**

Runs on electricity instead of fossil fuels, producing zero carbon emissions.



#### **Inconsistent Heat**

Only cycles between on and off.



#### **Consistent Temperature**

Adjusts to match heating needs.



#### hybridheatingandcooling.ca



<sup>\*\*</sup> Furnace must comply with the ANSI Z21.47.CSA2.3 standard. Excludes Oil or Drum type furnaces. Do not install the PAA on any furnaces or applications where supply air temperature could exceed 93.3 °C / 200 °F, or where the furnace output capacity is greater than 300% of the rated PAA heating capacity. See Installation Manual for further information. \* When installed and registered by a MEQ certified HVAC (Heating, Ventilation, and Air Conditioning) Contractor. Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details. †All versions of models PUZ-AK24NLHZ, PUZ-AK30NLHZ, PUZ-AK36NLHZ, PUZ-AK42NLHZ, MXZ-2D20NLHZ, MXZ-3D24NLHZ, MXZ-3D30NLHZ. Includes tolerance. Units can operate down to -30°C, depending on conditions

# **KEY FEATURES & BENEFITS**

Compatible with any existing furnace\*\*



#### **Optimum Control Logic**

Keeps you comfortable while using the least amount of energy.



#### **Consistent Comfort**

100% heating power at -15°C.



#### Multi-Zone

Compatible with multi-zone systems addressing hot or cold spots in the home.



#### Small size

Outdoor units measure from 11 1/4 to only 13 inches deep.



#### Low noise

Whisper quiet operation as low as 49 dB(A) outdoors and 19dB(A) indoors.



#### Peace of Mind

Backed by our 10 year parts and compressor warranty.\*



#### Range of Capacities

Available in 18,000 to 42,000 BTU capacities.



#### Standard or Hyper Heat (H2i™)

Available in standard or Cold Climate heat pump that operates down to -25°C.+

# PUT **COMFORT** IN **YOUR HANDS**

Operate your system using our wireless or optional wall-mounted controllers and interfaces.

To experience full remote access, download our cloud app, Kumo.\*





#### THE SMARTER WAY TO MANAGE YOUR HOME COMFORT



#### **Remote Access**

Adjust the temperature, fan and dry mode from anywhere.



#### Scheduling

Automate temperature changes with daily/weekly programs.



#### **Alerts and notifications**

Receive push alerts for dirty filters errors, and temperature extremes.



#### **Zone control**

Manage individual rooms or entire properties.



#### Holds

Override scheduling temporarily or permanently.



#### **Smart home integration**

Works with Alexa and Google Home.

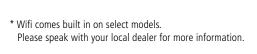
# HOW IT WORKS

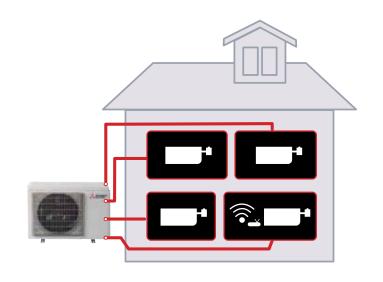
- 1 Connect to 24 GHz Wi-Fi with internet
- Download KUMO Cloud app
- 3 Create an account with a valid email
- 4 Add your system zones and begin control





KUMOCloud.ca





# **Environmental Sustainability Vision 2050**Protect the air, land and water with our hearts and technologies to

sustain a better future for all.



To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.



COMFORT	DURABILITY	EFFICIENCY				
Quiet operation	Strict performance tests	Energy saving				
Optimal temperature distribution	Easy-to-clean design	Money saving				
Clean filtered air	Replacement parts	Space saving				







Mitsubishi Electric Consumer Products has acquired ISO 9001 certification under Series 9000 of the International Standard Organization (ISO). The plant has also acquired environmental management system standard ISO 14001 certification.













# MITSUBISHICOMFORT.CA











#### Mitsubishi Electric Sales Canada Inc.