

EFFICIENT  
INTELLIGENT  
RELIABLE

# OVERVIEW



Cooling and Heating

# THE LEADER IN HVAC TECHNOLOGY

MITSUBISHI ELECTRIC CANADA

Mitsubishi Electric has been at the forefront of heating and air conditioning for over 90 years. We offer the most innovative and eco-efficient solutions through our exclusive technologies like VCSi, VRF and H<sup>2</sup>i. With wide array of products available, you will easily find the perfect match that meets your HVAC needs.



## HEATING AND COOLING EVOLVED

Zuba-Central is a low ambient heat pump specifically designed for Canadian climate. It offers excellent heating in winter and effortless cooling in summer and fits easily into new or existing ductwork. It is one of the most energy-efficient and cost-effective ways of providing your-round heating and cooling comfort.



**HEATS  
EVEN AT  
-30°C  
AND BEYOND**

### KEY FEATURES:

- Heat Pump that provides energy-efficient heating even at -30°C and beyond
- Saves up to 60% of annual heating costs over conventional heating and cooling systems\*
- Compact size & quiet operations
- Geothermal Alternative

\* Mitsubishi Electric Canada provides these figures without inducing obligation or liability. Figures provided are based on estimated energy rates as of May 2011. Figures may vary depending on application and rates from different energy providers. For an accurate account of potential savings Mitsubishi Electric Canada recommends a thorough energy audit to be completed by a qualified dealer or technician.

# Mr. SLIM™

## M-SERIES | SLEEK DESIGN MEETS ADVANCED TECHNOLOGY

With one of the widest model selections in the industry, Mr. Slim M-Series is the perfect heating and cooling solution for homes without ductworks. Available in single and multi-unit models, Mr. Slim uses refrigerant lines instead of ductwork to connect the stylish indoor units to the compact outdoor unit, offering unprecedented performance and efficiency.

### OUTDOOR UNITS

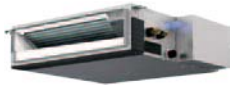


**HYPER  
HEAT AT  
-25°C**

### INDOOR UNITS



4-WAY CASSETTE



CEILING-CONCEALED



FLOOR-MOUNTED



WALL MOUNTED



Quiet and comforting, M-Series offers you the perfect "Zen" moment.

### KEY FEATURES:

- Employs VCSi technology and exclusive i-see Sensor
- Low-Ambient Heating which has "Hyper Heat" capabilities at -25°
- Whisper-Quiet Technology
- Air-Purification Filter
- Single & Multi-split systems available
- Ability to connect up to 8 indoor units

## P-SERIES | COMPACT AND POWERFUL

Mr. Slim P-Series is a commercial-grade ductless system that provides efficient, reliable and flexible cooling and heating to applications that just can't tolerate downtime. It is powerful enough for the toughest environments, whilst running efficiently to save on rising energy costs.

### OUTDOOR UNITS

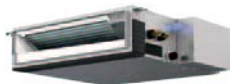


**-40°C  
COOLING**

### INDOOR UNITS



WALL MOUNTED



CEILING-CONCEALED



CEILING-SUSPENDED



4-WAY CASSETTE



P-Series makes cooling a breeze with wide coverage and smart control.

### KEY FEATURES:

- Prevent excessive cooling and heating with i-see Sensor
- Employs VSCi technology and H<sup>2</sup>i technology
- Low-Ambient Cooling (Designed to perform at -18°C/0°F)
- Ultra Low Ambient Cooling (Designed to perform at -40°C/-40°F)

# CITY MULTI

## COMPLETE BUILDING HEATING AND COOLING SOLUTION

City Multi offers sustainable HVAC technology that exceeds industry efficiency standards. Each City Multi system can be configured for up to 50 zones with individual comfort control, and multiple systems can be integrated into a large and effective heating and cooling network. Furthermore, refrigerant lines instead of bulky ductwork mean simpler installation and easier maintenance.

### OUTDOOR UNITS



S-SERIES



Y-SERIES & R2-SERIES

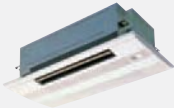


H<sup>2</sup>i-SERIES



WY & WR2-SERIES

### INDOOR UNITS



1-WAY CEILING CASSETTE



2-WAY CEILING CASSETTE



4-WAY CEILING CASSETTE



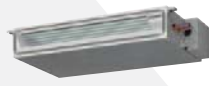
FLOOR-STANDING (CONCEALED)



FLOOR-STANDING (CONCEALED)



WALL-MOUNTED



CEILING-CONCEALED



CEILING-SUSPENDED



Save on total installed costs with City Multi VRF technology.

### KEY FEATURES:

- Employs VRF technology and H<sup>2</sup>i technology
- Air-source & Water-source systems
- Simultaneous Heating & Cooling
- World's First 2-pipe Heat Recovery System
- Geothermal Ready
- Independent zone control with superior flexibility & personalization



VERTICAL-CONCEALED



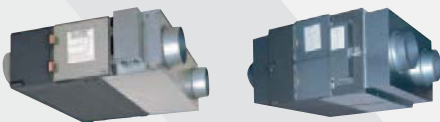
AIR-TO-WATER (HYDRA-DAN)



## FRESH AIR VENTILATION

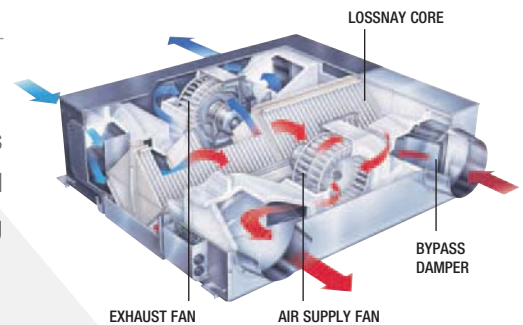
From large hotels and building complexes to schools and hospitals, Lossnay Energy Recovery Ventilators are the ideal solution for a wide variety of commercial and institutional applications. Our advanced Lossnay Systems extract stale indoor air and replace it with fresh air, saving energy in the process, along with an extremely efficient energy recovery operation.

### LOSSNAY VENTILATORS



### KEY FEATURES:

- Excellent total Heat Recovery Efficiency
- No Cross Contamination
- Free Cooling & No condensation drains
- Built-in frost prevention cycle

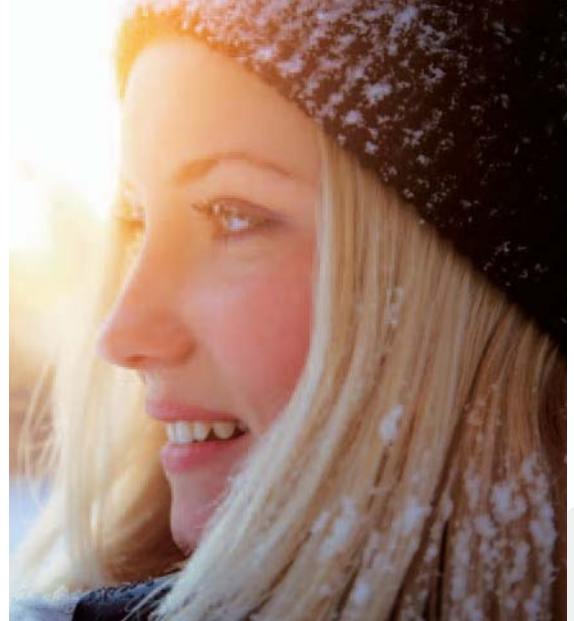


# TECHNOLOGY AT WORK

## LOW-AMBIENT HEATING

**HYPER  
HEAT AT  
-25°C**

Don't let the thought of facing another Canadian winter make your blood run cold. When the mercury plunges outside, our low-ambient heating technology maintains the guaranteed outdoor operation range for Mr. Slim Hyper-Heat series at  $-25^{\circ}\text{C}/-13^{\circ}\text{F}$ , and also allowing Zuba-Central to provide excellent heating performance at  $-30^{\circ}\text{C}/-22^{\circ}\text{F}$  at beyond. We'll keep things warm where conventional systems fall short.



**VRF**  
TECHNOLOGY

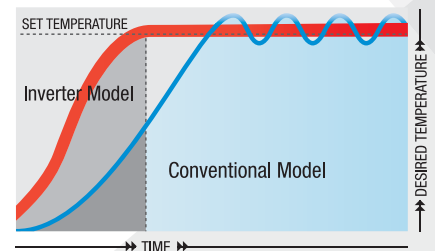
## VARIABLE REFRIGERANT FLOW TECHNOLOGY

VRF Technology allows your CITY MULTI system to circulate only as much refrigerant as needed for heat transfer to each indoor unit through two small diameter refrigerant pipes. This produces vast energy and space savings over water (chiller) systems as there is no refrigerant to water heat loss, which means the compressor can be maintained at a higher suction pressure for more efficient operation. VRF systems also have no heat loss through air ducts, as is the case with air (ducted DX) systems, thus saving both energy and space. VRF Technology also allows each indoor zone to operate individually, allowing you to precisely adjust the environment in each one separately.

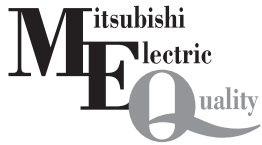
**VCSI**  
TECHNOLOGY

## VARIABLE COMPRESSOR SPEED INVERTER TECHNOLOGY

At the heart of Mr. Slim M & P Series ductless air conditioners and heat pumps lies Variable Compressor Speed Inverter (VCSI) technology. Unlike conventional machines which only cycle between On and Off, VCSI systems detect changes in room temperature and readjust the compressor speed to provide high-speed cooling and heating as needed. This means the space maintains a consistent, accurate temperature for the ultimate in comfort, all while using only the power that's needed. By adjusting the air conditioning capacity to run more efficiently, your energy costs are reduced.



# THE MITSUBISHI ELECTRIC DIFFERENCE



Mitsubishi Electric has built a reputation on quality and reliability worldwide. We do this by overseeing every step of the process, from research and development to design and manufacturing. Every product is made almost exclusively from components engineered and built by Mitsubishi Electric, which means we leave nothing to chance. Our exacting standards have led to one electronics revolution after another in a variety of industries. And it's why we are proud to stand behind any product that bears our name.

## ENVIRONMENTAL VISION 2021



Environmental Vision 2021 is the long-term environmental management vision of the Mitsubishi Electric Group. With the guideline of making positive contributions to the earth and its people through technology and action, the Company is working toward the realization of a sustainable society utilizing wide-ranging and sophisticated technologies as well as the promotion of proactive and ongoing actions by our employees. The Vision sets 2021 as its target year, coinciding with the 100th anniversary of Mitsubishi Electric's founding.



**for a greener tomorrow**

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.



Mitsubishi Electric offers one of the most complete ranges of HVAC solutions available on the market today. With a continuous investment to evolving technologies, we ensure we remain at the forefront of energy efficiency, quality and a commitment to reducing carbon emissions.



Mitsubishi Electric Sales Canada Inc.

[www.MitsubishiElectric.ca](http://www.MitsubishiElectric.ca)

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

Our quality assurance program is guided by our stringent Quality Policy, which ensures that all phases of the development process – from design and manufacture to the finished product – must meet our standards.

What it means to you is that Mitsubishi Electric simply makes the best air conditioners that you can buy today.



Line test



Sound test



Performance test



2000 Hour  
Endurance test



800 Hour  
Heat stress test



500 Hour  
Saltwater spray test

