

# ZUBA-CENTRAL

Heating & Cooling. Evolved.



HEATING AND AIR CONDITIONING FOR  
WHOLE-HOME, YEAR-ROUND COMFORT

Energy-efficient. Easy to install. Extremely quiet.  
Zuba-Central is simply the new and better way to heat  
and cool your home or small business.



 **MITSUBISHI ELECTRIC**  
*Changes for the Better*

# THE ZUBA-CENTRAL HEAT PUMP

## Cooling



In summer, heat pump works like an air conditioner which cools your home by moving heat from indoor through the air handler to outdoor.

## Heating



In winter, heat pump works in reverse. It absorbs heat from the outdoor air and moves it indoor to warm up your home.

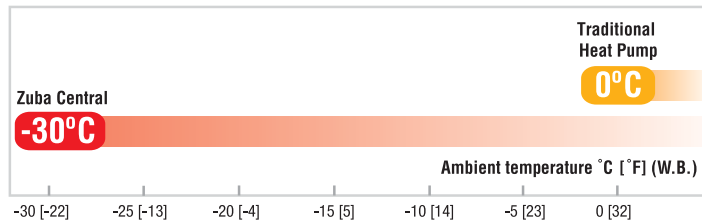
Zuba-Central is a Heat Pump which provides heating and cooling to your home through ductwork. It is ranked among the most energy-efficient and cost-effective ways of transferring heat from one place to another.

# OUTSTANDING PERFORMANCE

Zuba-Central's unique H<sup>2</sup>i technology has you covered even during the coldest winter days.

Compared to other means of heating, heat pumps are very efficient, but only as long as outside temperatures stay above 0°C. From this point and below, a supplemental heating system has to be used.

Now with Zuba-Central, not only will you get the benefits of a heat pump above 0°C, but all the way below!



## HYPER-HEAT INVERTER (H<sup>2</sup>i)

The secret behind Zuba-Central's high-heating performance, even under extremely low outdoor temperatures, is our exclusive Hyper-Heat Inverter (H<sup>2</sup>i) technology. It maximizes the benefits and efficiencies you can get from a heat pump.

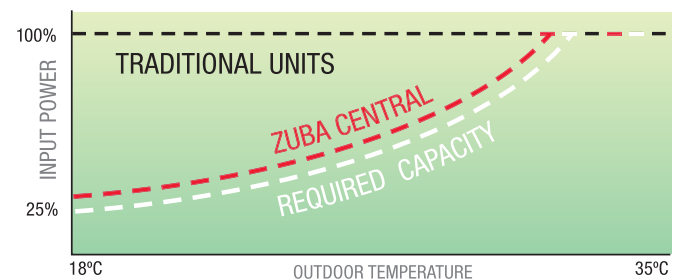
In addition, the unique defrost mechanism – which prevents automatic defrosting when not required – gives the system a quick start-up time and provides continuous heating.

# EFFICIENTLY GREEN

## Thinking Green Has Never Been So Efficient.

Now you can keep more money in your pocket while reducing your carbon footprint. The Zuba-Central system uses ozone-friendly R-410A refrigerant which produces no CFCs or HCFCs, and has zero Ozone Depletion Potential (ODP). This is not only beneficial to the environment but also translates into better overall performance and energy efficiency than traditional R-22 based systems.

Through the use of our VSCI Technology (Variable Compressor Speed Inverter) the Zuba-Central system is able to dynamically adjust heating and cooling capacities to match actual requirements of your home, which means you pay only for the required energy when you need it.



Zuba-Central is an Energy Star<sup>®</sup> qualified heat pump with a SEER<sup>1</sup> of 15.0 in cooling mode and an HSPF<sup>2</sup> of 9.4 in heating mode. Together with a high-efficiency ECM motor, you can be sure that you're always getting the most from your utility bill and giving the most back to the environment.

1. SEER (Seasonal Energy Efficiency Ratio) 2. HSPF (Heating Seasonal Performance Factor)



ENERGY STAR  
HIGH EFFICIENCY  
HAUTE EFFICACITÉ

15.0 SEER & 9.4 HSPF

# THE ADVANTAGES OF EVOLUTION

## TECHNOLOGY YOU CAN TAKE TO THE BANK

## HOW MUCH AM I REALLY SAVING AND WHAT DO ALL THE NUMBERS MEAN?

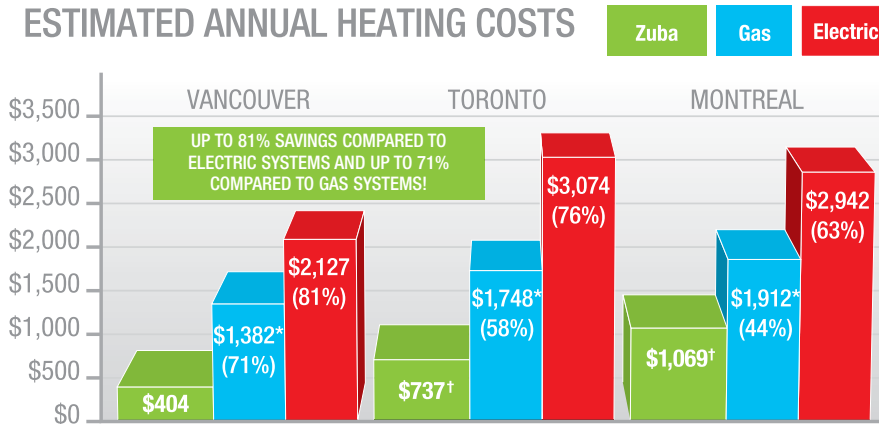
Coefficient of Performance (COP) is a standard measurement of how much energy you get out of every unit of fuel input. The higher the number, the more savings you can get from your utility bill.

<b>COP</b>	Zuba: 1.4 - 3.19	Gas: 0.95	Electric: 1.0
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Even the most efficient gas furnaces only provide fuel efficiencies of up to 95%, or COP of 0.95. And for electric resistance heaters, their COP equals 1.

Zuba-Central's COP ranges from 1.4 to 3.19, depending on the outside temperature. It actually gets more efficient as temperatures increase!

## ESTIMATED ANNUAL HEATING COSTS



Estimated Annual Heating Costs (Savings) for a typical house with calculated heat loss of 60,000 Btu/h (approx. 2,000 sq.ft.)\*\*

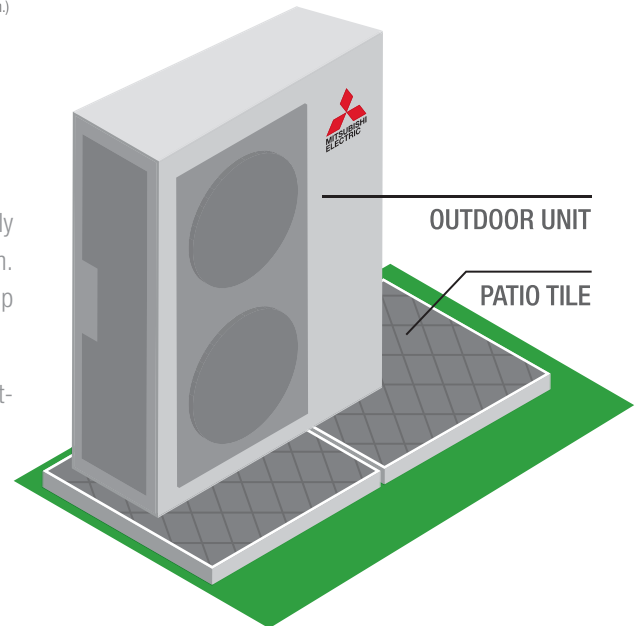
(\*\*Note: Mitsubishi Electric Sales Canada Inc. provides these figures without inducing obligation or liability. Figures may vary depending on application. For an accurate account of potential savings Mitsubishi Electric Canada recommends a thorough energy audit to be completed by a qualified dealer or technician.)

## TINY FOOTPRINT, MASSIVE IMPROVEMENT

### SLIMMER THAN A BACKYARD TILE.

The Zuba-Central outdoor unit measures only 13 inches (33 cm) thick – which sits perfectly alongside your exterior wall and takes up a lot less real-estate than a traditional A/C system. It is so compact that you can have it installed anywhere around your premises without taking up your valuable patio space.

The indoor Air Handling Unit is smaller than a gas furnace, and fits right onto your existing duct-work. Everything is efficiently housed in a single unit.



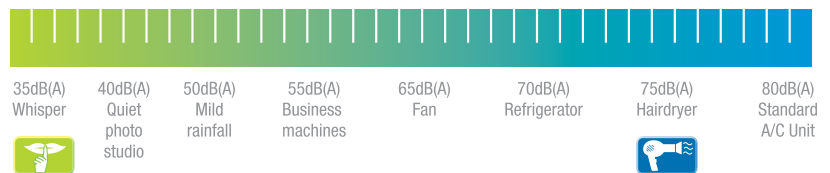
## QUIETLY OUTPERFORMING

### YES. IT'S RUNNING!



You may not even realize your Zuba-Central system is hard at work keeping temperatures steady and bringing you home comfort. Our advanced technology ensures super-quiet units that work vibration-free.

### Zuba-Central As low as 52dB(A)



**ZUBA-CENTRAL** IS SIMPLY THE NEW AND BETTER WAY TO PROVIDE YEAR-ROUND HEATING & COOLING COMFORT.

**MADE FOR CANADA**, THIS EASY-TO-INSTALL, MONEY AND SPACE-SAVING SYSTEM WILL FOREVER CHANGE THE WAY YOU EXPERIENCE HEATING & AIR CONDITIONING.

Model		Zuba-Central
Cooling	Max. Capacity	36,000 Btu/h
	Max. Input	3,165 W
	EER	11.50
	SEER	15.00
System Operating Temperature Range - Cooling	Indoor	D.B. 66 – 90°F (19 – 32°C) W.B. 59 – 73°F (-15 – 23°C)
	Outdoor	D.B. 0 – 115°F (-18 – 46°C)*
Heating	Max. Capacity	40,000 Btu/h
	Max. Input	3,670 W
	HSPF	9.4
	Indoor	D.B. 63 – 83°F (17 – 28°C)
System Operating Temperature Range - Heating	Outdoor	D.B. -22 – 70°F (-30 – 21.1°C) W.B. -22 – 59°F (-30 – 15°C)

\*with wind baffle

## ZUBA-CENTRAL+

The optional Zuba-Central+ even has you covered in those rare instances when extreme temperature hits the air. It can be equipped with your choice of an auxiliary Electric Resistance Heater or Hydronic Hot Water Coil that operates simultaneously with Zuba-Central only when additional heat is needed.

So even during the coldest days, your Zuba-Central+ package is still pumping heat indoors with the superb efficiency that only a heat pump can offer.

Zuba-Central+ is available with Electric Resistance Heater option from 2.5kW to 17.5kW, or with 2 or 3-row Hydronic Hot Water Coil option with or without pump. It is also available with SCR duct heater option for enhanced efficiency. Please ask your local dealer which option best meets your requirements.

**5-YEAR PARTS WARRANTY**  
**6-YEAR COMPRESSOR WARRANTY**

Vancouver and Toronto energy costs are estimated based on \$0.40/m<sup>3</sup> for natural gas and \$0.08/kWh for electricity. Montreal energy costs are estimated based on \$0.40/m<sup>3</sup> for natural gas and \$0.07/kWh for electricity. \*Cost calculation estimated based on a gas furnace with COP of 0.85. †Cost calculation estimated based on a Zuba-Central system with a 10kW supplementary heater which only operates when heat loss cannot be met by Zuba-Central alone.



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[www.Zuba-Central.ca](http://www.Zuba-Central.ca)

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