

DAIKIN
AIR INTELLIGENCE™



VRV



LOVE

INTERESTING

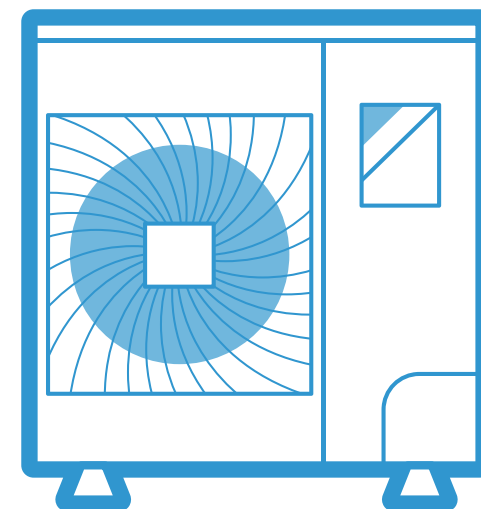
FAMILY

EXCELLENCE

ENCE



NOE



▶ A global leader in **HVAC**,
invested in **North America**

When it comes to heating and cooling homes and buildings, Daikin has been improving the comfort of its customers for generations. A better understanding of how people live and want to live has led to products designed to create indoor environments that are in harmony with your lifestyle.

**A WORLD LEADING
MANUFACTURER
OF HVAC PRODUCTS** 

 **FOUNDED
IN 1924**

**LISTED IN
FORBES** 
**MAGAZINE'S
100 MOST
INNOVATIVE
COMPANIES**

Air is essential to our existence and Daikin's role and responsibility in enriching it continues to expand. Daikin is devoted, with unbridled passion, to overcoming the ever-evolving challenges of the air around us. Leveraging our leading, cutting-edge technologies, with a holistic focus on performance, reliability, design, aesthetics, air environment, ease of use and efficiency, we create outstanding products and system solutions to realize a comfortable and sustainable living environment for all people and all regions of the world.

This is *AIR INTELLIGENCE™*,
and this is what Daikin is all about.





**PROVEN
History of
35+ Years**

with VRV 

**All Climate
Comfort** 











**Zoning and
Efficiency**

**Compact
quiet** 
**Diverse
System**

► What is **VRV LIFE™**?

Since 1982, *VRV** systems have become established as the standard for energy saving, flexibility and comfort. In short, *VRV* air conditioning systems reduce energy consumption compared to traditional central ducted systems. And when it comes to your energy bill, less energy consumed means less money spent.

Now, *VRV* systems have been re-imagined and re-engineered to tackle the many challenges of the traditional systems with the goal of enriching the life of homeowners across North America. The many intelligent features included to benefit your comfort represent *VRV LIFE*.

Challenges	VRV LIFE™	Traditional Solutions
Zoning & Comfort		
Operational Efficiency		
Space Saving		
Sound		
Future Expansion		

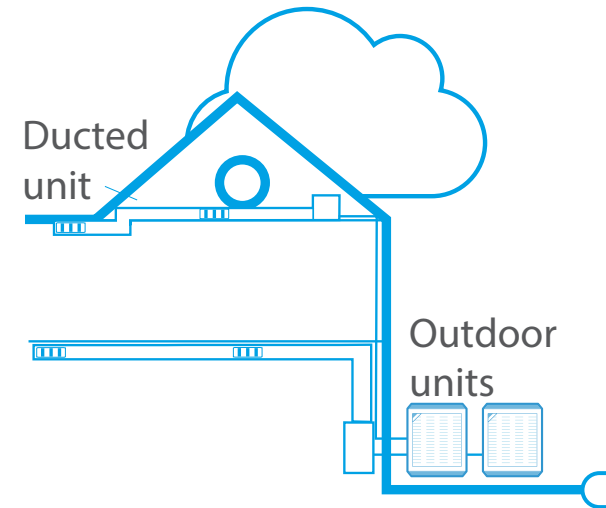
*The name *VRV* derives from this technology that we call "variable refrigerant volume"

► Your space, brought to **LIFE**

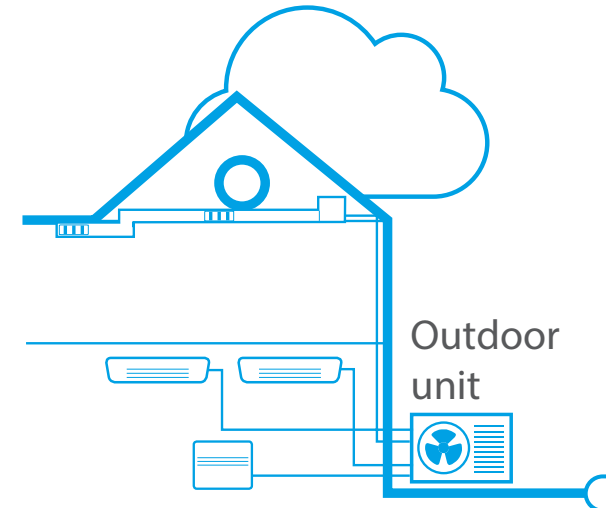
Traditional central heating and cooling systems have very few options. The entire home is served via large ducted systems that do not allow for precise control over each zone. Some challenges often resulting from those systems are hot and cold spots throughout the home, and the inability to turn off or set back the temperature of rooms that are not being used, sometimes for extended periods of time like a guest bedroom, media room, or a home office.

IDEAL FOR WHOLE HOME, ADDITION OR CONVERSION

VRV *LIFE*[™] systems are a complete heating and cooling hybrid solution that can replace your existing system, while adding zones for additional comfort or expansion (up to 9 zones). This is also true for homes that do not have central air systems where a fully ductless system can be configured.

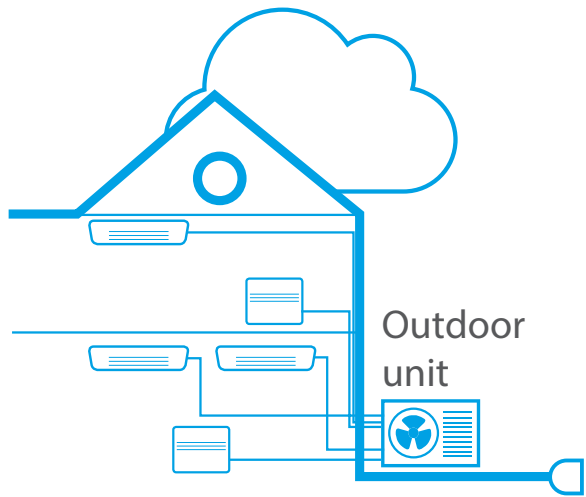


Traditional Central Air Ducted



Up to nine indoor units

VRV *LIFE* systems with central ducted/
furnace and duct-free options



Up to nine indoor units

VRV LIFE systems with zone ducted and duct-free option



► Ingenious **FLEXIBILITY**



CONCEALED DUCTED UNIT – Keep things clean and uncluttered with a concealed ceiling unit. They are compact enough to fit any interior and can be installed discreetly so that only the air vents are visible. The concealed ducted style is also used when using a gas furnace or a multi-position air handling unit, as a direct replacement for your existing system.



COMFORT WALL-MOUNTED UNIT – Its advanced, engineered and discrete design makes it an ideal alternative solution to adding or re-configuring ductwork.



CONCEALED FLOOR STANDING UNIT – Our floor-standing units can easily be installed along a perimeter wall — or concealed.



VISTA™ CASSETTE UNIT – *VISTA™* is stylish, low profile, and compact. High efficiency and comfort is delivered through the combined use of floor and presence sensors (optional).



► Reinventing central air conditioning

Zoning is an important factor that contributes to energy savings and comfort – standard central ducted systems do not have the ability to precisely adapt to your lifestyle and how you use your home. In most cases, larger homes can be separated in 2 zones, each zone being served by a separate system. *VRV LIFE* allows for one outdoor unit, to control up to **9 zones**.

TRADITIONAL DUCTED SYSTEM



- » Thermostat wars, one temperature doesn't fit all in all rooms.
- » Energy wasted in areas not in use or through large duct systems.
- » Hot and cold rooms due to poor air distribution.

VRV LIFE™ SYSTEM



- » Personalized comfort, no more argument over the temperature.
- » Energy savings: turn off zones not in use.
- » Solve hot and cold spots by adding more indoor units.

Zoning your system based on your home layout is an effective way to improve comfort, airflow, and **save energy.**



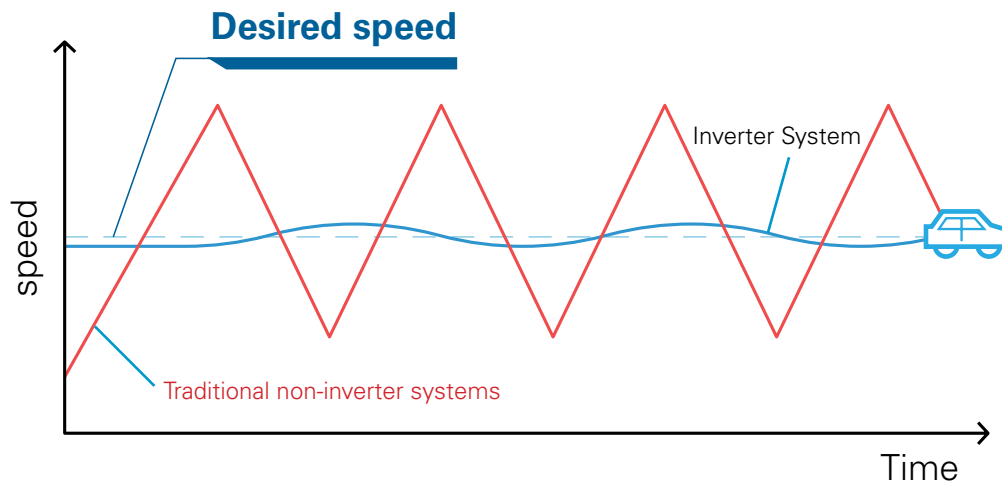


▶ **Family** powers your heart,
Inverter powers your *VRV LIFE™*



Compressors are the heart of your heating and cooling systems. As the single most energy consuming part of a system, it is important to understand that not all compressors are created equal. Traditional systems use single speed or dual-speed compressors, while *VRV LIFE* systems are equipped with revolutionary Daikin inverter technology.

Like a car operating in cruise control, an inverter carefully controls the heating and cooling power generated by the unit. This minimizes temperature fluctuations, reaches the temperature set point faster after an extended period of interrupted use, and provides continuous cooling and heating comfort.

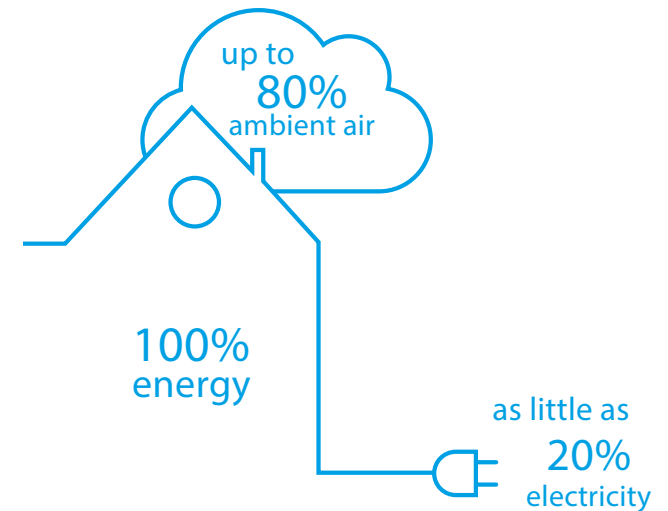


Inverter AC Systems can save up to 30% energy compared to non-inverter AC systems

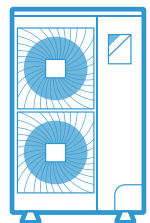


► Year round efficient comfort

VRV LIFE systems can be configured as a heat pump or dual fuel system (gas furnace). Daikin heat pumps are designed to extract energy from the outside air, and uses it as a source for heating and cooling a home. In fact, 75 to 80% of the energy used to cool or heat your home comes from this free and infinitely renewable resource. This system provides you an efficient cooling and heating solution all year round with operation range of -4°F - 122°F . And for colder months or optimizing operational cost, *VRV LIFE* systems can be paired with a gas furnace to provide a reliable source of heat under the most extreme climates.

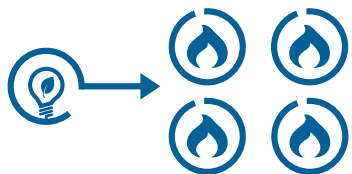


Heat pumps



1:4

A typical Daikin heat pump system consumes 1 kw of electricity for 4 kw of heat generated.



Gas heaters / Furnaces



For the colder regions, a gas burning furnace is integrated to the system to respond to the most challenging North American climates.

It can also be configured to optimize operation cost to suit your local gas and electrical costs.

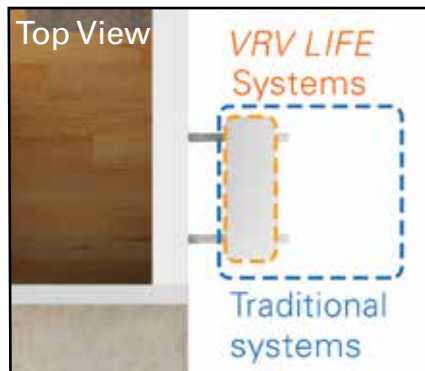


▶ Your space, brought to **LIFE**

With its slim design, the *VRV LIFE* System outdoor unit takes up less space than traditional air conditioning systems. This allows for flexibility when considering placement of the outdoor units, especially when dealing with zero lot requirements.

VRV LIFE Systems outdoor unit, very compact and ideal for:

- » Zero lot line homes
- » Strict sound restrictions
- » Harmonious living with your neighbors





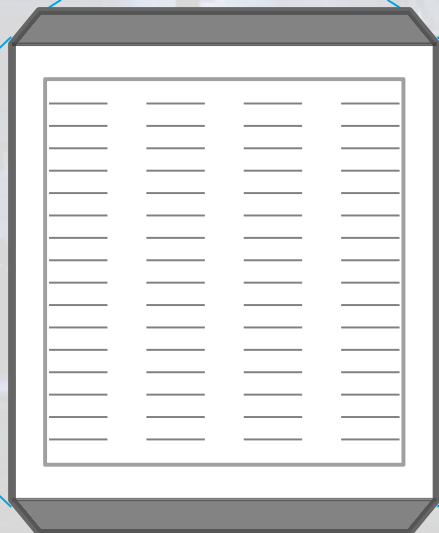


▶ **LIFE** should be comfortable, not loud

Imagine your ideal comfort zone. It may be on a trail in the woods, completely in tune with nature. No distractions, no loud noises, no disturbances, just pure bliss. You should get that same feeling from your backyard. *VRV LIFE* systems transform your backyard into an oasis of comfort, because it runs up to **16dB(a) less*** than traditional systems.

*Comparison of *VRV LIFE* Outdoor Unit to Daikin DZ14SA Outdoor unit.

73dB(a)**



**Daikin DZ14SA

57dB(a)



► **Control** where and when it matters

Let's be honest, when it comes to comfort, you want a system that will reach the temperature you set, quickly and quietly with no lag, smart controls, and that won't cost you an arm and a leg to run. *VRV LIFE™* systems are designed with innovative compressors and controls so that you can reach your desired temperature and it stays there until you change it. And because the system manages multiple indoor units, you can set different temperatures in different parts of the house or turn off a room entirely when not in use.

Hand-Held Controller (Wireless)

» Hand-held controllers, included with some indoor units, provide flexible control of Daikin units: temperature control, operating modes, weekly programming, and more.

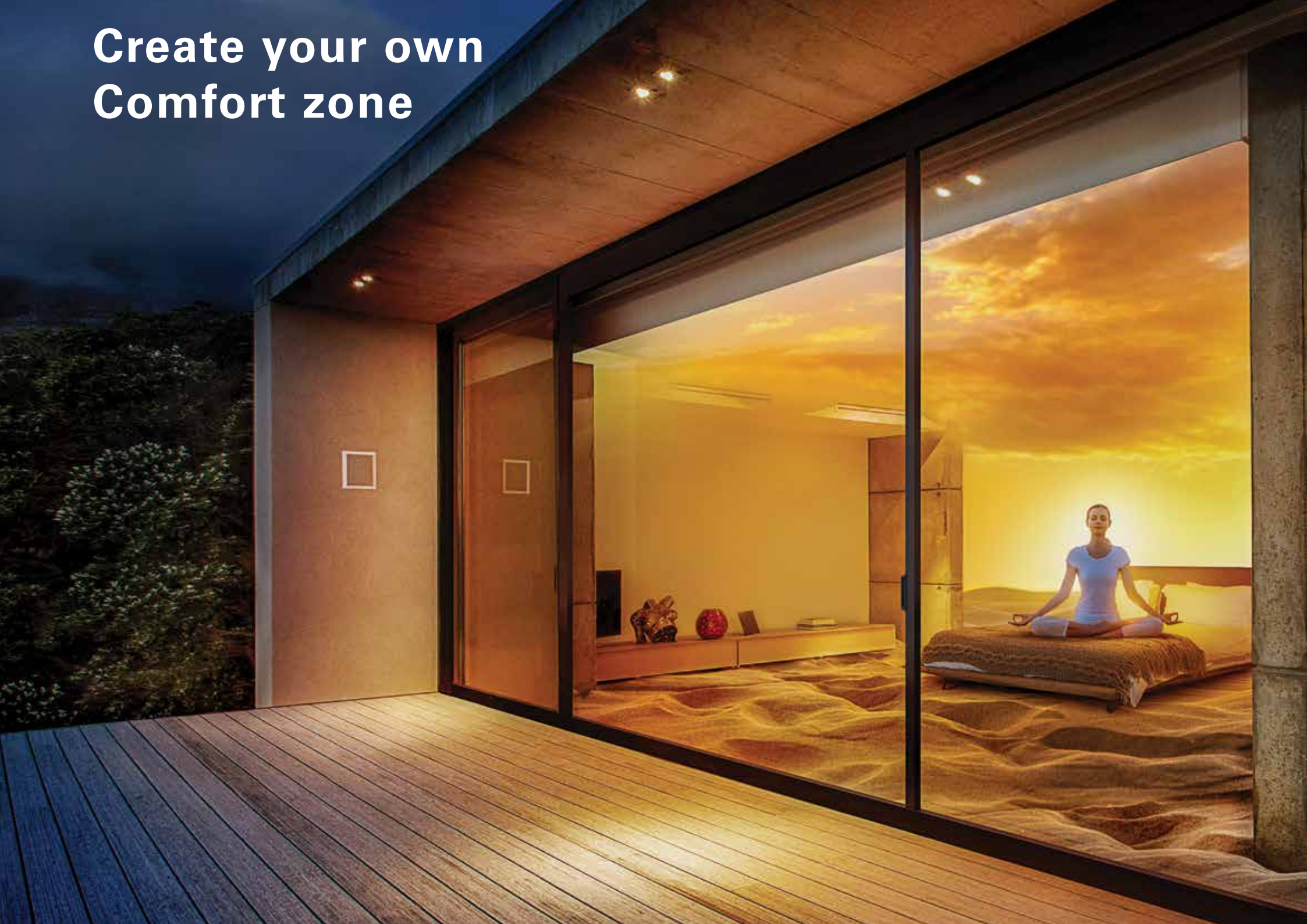
Navigation™ Controller (Wired)

» Daikin's *VRV LIFE* systems wired controllers provide ultimate control of your indoor units to suit your lifestyle needs. Featuring intuitive interfaces for easy operation and a clean minimalistic design that is able to blend seamlessly into your home's decor.

» The menu displays are available in English, French, or Spanish languages.



Create your own
Comfort zone



▶ LIFE is better with **options**

The *VRV LIFE™* system connects to many different indoor unit types. This makes the system extremely flexible and capable of integrating with your home and your life.



- * **Complete warranty details available from your local Daikin manufacturer's representative or distributor or online at www.daikincomfort.com.**



VRV LIFE™ Outdoor Unit

- » Space-saving design fit in tight areas and are quick, easy to install.
- » Low sound operation, down to 57 dB(A).



Communicating Gas Furnace

- » Unique tubular stainless-steel construction formed using wrinkle-bend technology results in an extremely durable heat exchanger.
- » Modulating gas valve providing precise efficiency and the ultimate in comfort.



Cased A-Coil

- » Features aluminum tubing and corrugated aluminum fin coils and rust resistant for long lasting comfort.
- » Designed to flawlessly work with Daikin Furnaces.



Up-flow or horizontal ducted

- » Powerful, makes comfort discreet.
- » Installed in the attic, basement or closet.



Slim Duct

- » Low height unit ideal for installation into drop ceilings.
- » Minimal impact on the internal aesthetics of the room (only air diffusers visible).



DC Duct

- » Wide capacities available in a compact size, ideal for open plan areas and installation in tight ceiling spaces.
- » Airflow is automatically adjusted to deliver superior comfort.



Wall-Mounted

- » Ideal, cost alternative to traditional ducted solution, allowing to add heating and cooling to zone previously left unconditioned.
- » Avoid cold and hot spots in your home.



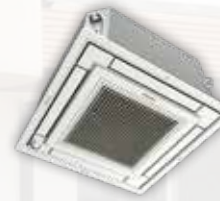
Ceiling-Mounted Cassette (Single Flow)

- » Equipped with both horizontal and vertical louvers that can be adjusted with the remote controller providing a capability to optimize the airflow and throw to suit your room design.



Concealed Floor Unit

- » Ideal for radiator replacement or rooms without wall space.
- » Comfortable airflow and air distribution.



VISTA™ Ceiling Cassette

- » 4-way airflow delivers even temperatures over open plan areas.
- » Quiet operations in a compact size for easy installation.
- » Optional intelligent sensors.*



4-Way Ceiling-Suspended Cassette

- » Ideal solution for rooms without a false ceiling, or minimal space above a false ceiling, where adaptive comfort control is preferred.
- » Optional intelligent sensors.*

***Optional intelligent sensors**

- » The presence and floor sensors are infrared sensors with the ability to sense movement in the room. When you are in the room, the system operates normally. If you leave the room for more than 20 minutes the system automatically changes to an energy-saving operation.
- » Other indoor units available. Contact your dealer for more information.



▶ When your **LIFE** changes, your system does too

Indoor Air Quality modules such as air cleaning systems, humidity control, air purification, and ventilation can be added incrementally into your home to make it the perfect indoor climate based on your family's needs, and usage of your home.



AIR CLEANERS (Optional)

Air cleaner modules available, reduce and remove airborne particulates from your home's air.



HUMIDIFIERS AND DEHUMIDIFIERS (Optional)

Using a humidifier, especially in cold, dry winter months, improves indoor comfort throughout the home. A dehumidifier reduces the cold clammy feeling that comes from lowering the temperature on your thermostat in order to reduce the humidity level in your home.



ULTRAVIOLET AIR PURIFIERS (Optional)

The UVC range of ultraviolet light (with wavelengths of 100 to 280 nanometers) has germicidal activity that deactivates viruses, bacteria and mold by attacking their DNA preventing them from replicating.



VENTILATION SYSTEMS (Optional)

We spend the majority of our lives indoors. And with homes becoming tighter and more energy efficient, they don't "breathe" the way they used to, resulting in the air in your home becoming stale. Pet smells, cooking odors, and off gassing of household furnishings, like carpets and furniture, combine to create an environment that's not as fresh as you'd like.

▶ Dedicated, Specialized, **Professional**

To find a Daikin Comfort Pro™ contractor visit daikincomfort.com.

Daikin Comfort Pro. Those 3 simple words can offer you comfort like you've never experienced. The words mean that the contractor you invited into your home is a highly-qualified and continuously trained professional who will quickly, efficiently and effectively help to solve any of your indoor comfort needs.



All *Daikin Comfort Pro* contractors seek to achieve the highest levels of customer service, business integrity, and technical competency. These range from maintaining an excellent rating with their local Better Business Bureau (BBB) to taking continuing education classes on how best to install and service Daikin brand products. To retain this status, *Daikin Comfort Pro* contractors must deliver their best abilities to each and every customer, year after year.

If, for any reason, the Daikin Comfort Professional has not met your expectations within one year of your equipment or system installation, please contact the installing *Daikin Comfort Pro* and ask them to honor the Daikin Comfort Promise. The *Daikin Comfort Pro* will return to your house to resolve any issues that you have with your installation at no cost to you.

Daikin has held a strong commitment to quality, service and innovation since our inception. It is this commitment that has allowed us to become one of the largest manufacturers of HVAC systems and refrigerants in the world.



► About **Daikin**:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company which celebrated its 90th anniversary in May 2014. The company is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. DIL is primarily engaged in developing indoor comfort systems and refrigeration products for residential commercial and industrial applications. Its consistent success is derived, in part, from a focus on innovative, energy-efficient and premium quality indoor climate and comfort management solutions.



Daikin Texas Technology Park is Daikin's North American manufacturing and customer support facility located in Houston TX.

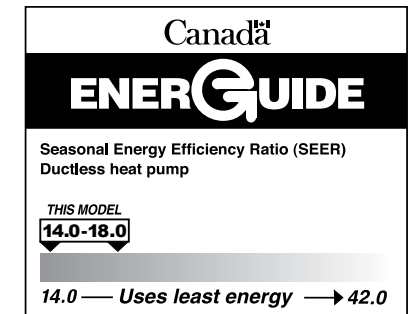




To find a local dealer, visit
www.daikincomfort.com

Any comment or question?

Contact Daikin North America
Consumer Affairs: [1.855.770.5678](tel:1.855.770.5678)
howeownersupport@daikincomfort.com



Daikin, VRV, and their designs are trademarks owned by Daikin.

WARNINGS:

- » Always use a licensed installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Use only those parts and accessories supplied or specified by Daikin. Ask a licensed contractor to install those parts and accessories. Use of unauthorized parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- » Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.
- » For any inquiries, contact your local Daikin dealer.

ADDITIONAL INFORMATION

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.