



DAIKIN  
SPLIT SYSTEM  
HEAT PUMPS AND  
AIR HANDLERS

**Today, the air is perfect.** Perfect temperature. Perfect humidity. Perfectly clean and fresh, like just after a rainstorm. And the only thing more perfect than this outdoor scenario is that it's all happening inside. Because that's where we work. That's where we play, where we sleep, where we truly live.

And that's why at Daikin, we aim to make the air inside as refreshing as the outside. Better comfort. Better control and efficiency. Better quality. So you can create your own unique ecosystem. And everyday is perfect.

**Inside and out.**





## A GLOBAL LEADER IN HVAC INVESTED IN NORTH AMERICA

Daikin is a global leader of indoor comfort solutions with millions of systems installed throughout the world. Daikin has been improving the comfort of its customers with exceptional products and services for many generations. As a company whose core business is that of heating and cooling homes and buildings, Daikin takes particular focus on the air you live in.

Air is essential to our existence and Daikin's role and responsibility in protecting 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.

The opportunity to experience Daikin's advanced technologies and solutions is now more accessible than ever before. Cementing our corporate mission of being "globally-local", many of the Daikin solutions for residential applications are designed and manufactured at our state of the art production facility on the outskirts of Houston, TX. The Daikin Texas Technology Park is a sprawling campus covering more than 4 million sq. ft. with more than 4,000 personnel. The facility practices Daikin's philosophy of a full 360 degree focus to research and development, manufacturing quality and reliability, robust sales networks and extensive support infrastructure.



BE SURE TO WATCH OUR  
DAIKIN INTRODUCTION  
VIDEO ON YOUTUBE!

<https://youtu.be/dGVkDFAc4-M>





Daikin prides itself on its specialist focus to heating and cooling and extends this pride to a meticulous commitment to the design, operation, performance and reliability of all its systems and solutions, including the key components inside those systems. Daikin designs and manufactures many of the components that make up our systems — including the heat exchangers, coils, sheet metal parts, fan blades, and the heart of the system — the Inverter-driven, variable-speed compressor\*.

### Efficient and dependable compressors for worry-free comfort

Daikin's variable-speed Inverter compressor\* technology is currently providing energy efficient indoor comfort with over 50 million units installed worldwide. This proven technology automatically adjusts the performance of the system's compressor to match the demand needed to achieve the temperature you have selected on the thermostat. It is like having cruise control for your home's indoor comfort. Precise adjustments are being made automatically with the goal of providing the most consistent comfort at the lowest possible level of energy consumption. Compare this to a single speed compressor and immediately you'll see the benefits of the Inverter technology compressor. Daikin designs, engineers, and manufactures its own variable-speed Inverter compressors. Rest assured that you are getting a proven design — you are getting Daikin Inside.

\*On select models.



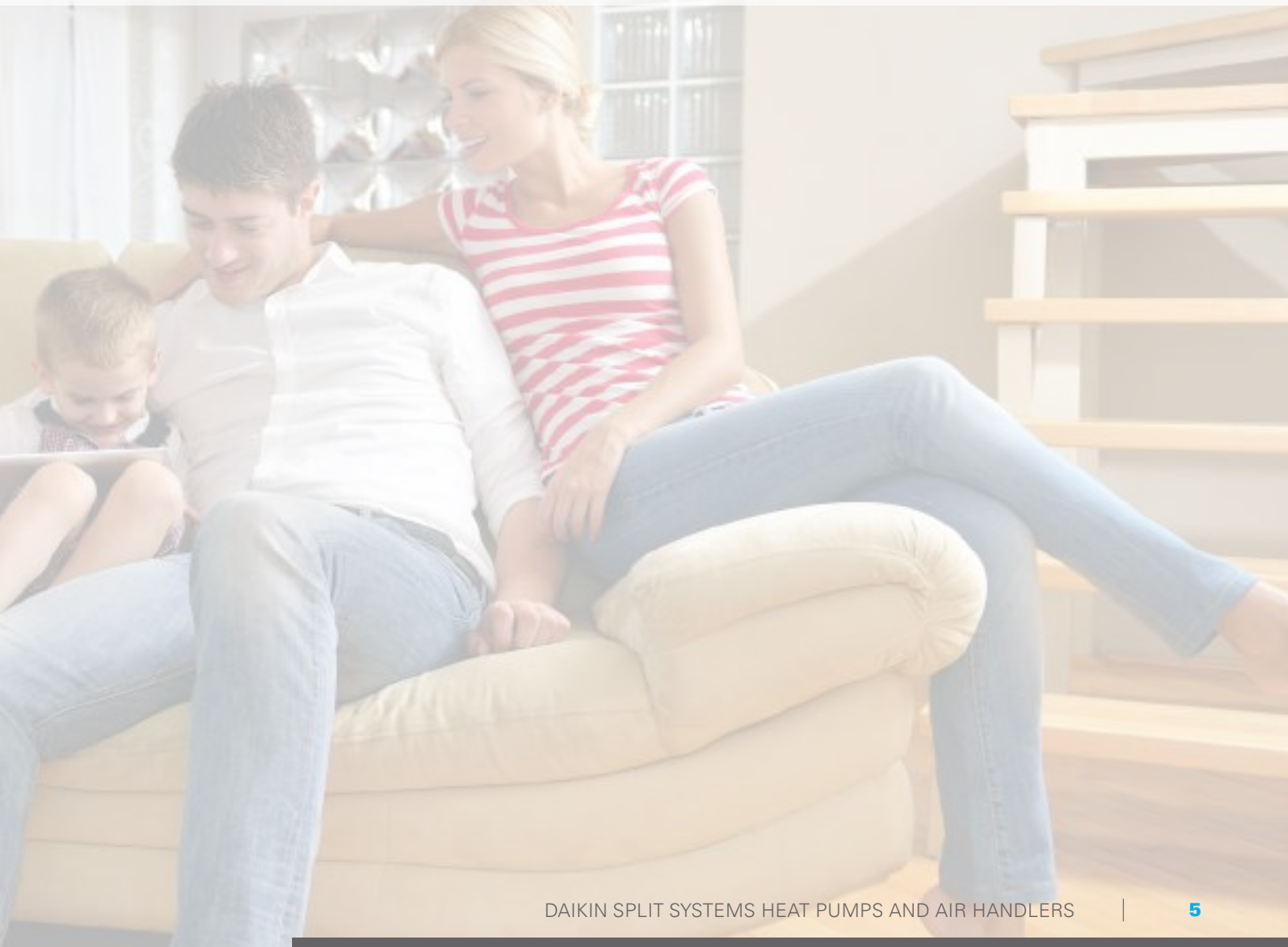
## Elevate your expectations and get more out of your home's indoor comfort system performance

As you think about the functionality of your home's indoor comfort system, the Daikin portfolio of solutions is ready to help you achieve control, energy efficiency and long-term peace of mind. Take that attention to quality one step further by considering a state of the art Daikin brand variable-speed, energy-efficient system. We have designed and engineered all of our products to provide years of consistent indoor comfort — delivering you and your family the type of comfort you never thought possible.

## Bold performance

A better understanding of how people inhabit their living spaces and make lifestyle choices has led to products designed to create indoor environments that help use energy resources more effectively.

A Daikin heat pump with a variable-speed compressor provides efficient and economical cooling performance. Enhance the efficiency of your system year round by combining your Daikin heat pump with a Daikin air handler for the cold winter months. For replacement or new construction, a Daikin system will provide efficient comfort to your family for years to come.



# COMFORT-ENHANCING FEATURES THAT HELP DELIVER BETTER COMFORT

## PREMIUM HEAT PUMP FEATURES



Inside Intelligence



6  
7

**1 Daikin Inside variable-speed compressor** – Provides up to 21 SEER cooling performance for lower energy bills compared to lower SEER, single-stage compressors.

**2 Refrigeration-grade premium copper tubing** and aluminum fin condenser coil configuration deliver outstanding heat transfer properties with R-410A refrigerant.

**3 Heavy-gauge galvanized steel enclosure with sound-control top** – Baked enamel finish protects your system from the elements.

**8 Commercial grade quality with factory-installed refrigerant management components** – Provides high reliability compared to units without these components.

**4 High-efficiency ECM fan motor** with advanced fan design moves air quickly and quietly.

**5 High-density compressor sound blanket** – Acoustically engineered sound isolation reduces noise levels (compared to units without a sound blanket) for years of quiet comfort.

**6 Communicating compatible** – Improve your home comfort convenience with more control options and communicating thermostats with touchscreen interface.

**7 Daikin Inside Intelligence** – Sophisticated diagnostics constantly monitor your AC system pinpointing trouble spots for a fast fix.

LEARN MORE AT  
[www.daikincomfort.com/products/heating-cooling/whole-house/heat-pumps](http://www.daikincomfort.com/products/heating-cooling/whole-house/heat-pumps)



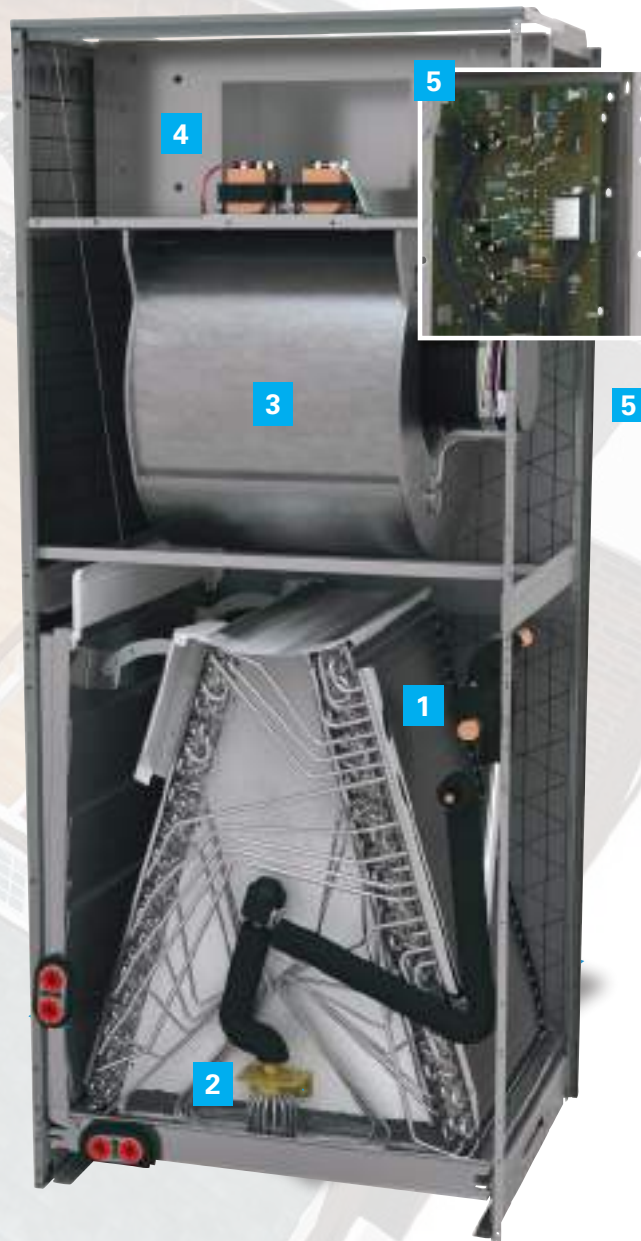
## PREMIUM AIR HANDLER FEATURES

**1 All-aluminum coils** – Enhanced durability in a single metal solution. Special grooved tubing provides

**2 Internal thermostatic/electronic expansion valve (TXV/EEV)** – Simplifies installation and controls refrigerant flow for efficient cooling (Models DVFEC/DVPEC/DVPTC).

**3 Variable-speed electrically commutated motor (ECM)** – Provides gradual startup and shutdown for unobtrusive operation with lower energy consumption (compared to a standard efficiency motor). Constant low-speed operation for outstanding filtration and comfort levels.

**4 High-temperature thermoplastic drain pan** – For service status indications without removing access panels. Easy component access reduces installation and service time.



**5 Communicating compatible** – Allows use of specially designed full color LCD display thermostats designed to ensure your system is setup to operate at its peak efficiency level.

LEARN MORE AT

[www.daikincomfort.com/products/heating-cooling/whole-house/air-handlers-coils](http://www.daikincomfort.com/products/heating-cooling/whole-house/air-handlers-coils)



## DZ17VSA — DAIKIN *FIT* OUTDOOR UNIT

**1 Variable-Speed DC Fan.**

High efficiency and low sound levels.

**2 Blue Fin Corrosion Coating.**

1000 hours salt spray rated as standard. Hydrophilic coating to help keep the coil clean.

**3 7mm Coil.**

High heat exchanger efficiency and compact casing design.

**4 Inverter Board Cooled by Refrigerant Circuit<sup>1</sup>.**

Elimination of condenser fan pressure drop caused by heat sink used on previous generations.



**5 Daikin Swing Compressor.**

High efficiency. Low sound levels.

**6 Intelligent Defrost Mode.**

The outdoor unit will enable this mode to help prevent frost/ice from building up in cold climate conditions. It will also help with longer heating operation time for additional comfort for occupants (compared to HVAC systems without this function).

- A selectable defrost backup heat option, when turned off, will lower power consumption during defrost.

**7 Advanced water-shedding drain pan.**

Engineered with multiple drain holes and channels providing effective water shedding.

Neodymium magnets



VISIT THE DAIKIN *FIT* MICROSITE TO LEARN MORE:

[www.daikincomfort.com/go/fit/](http://www.daikincomfort.com/go/fit/)



<sup>1</sup>Model specific, refer to product engineering manual for details.





## DVFEC MULTI-POSITION, VARIABLE-SPEED, ECM-BASED AIR HANDLER

- » **Multi-position AHU:** Upflow/downflow, and horizontal left/right orientations.
- » **7mm All Aluminum Evaporator Coil:**
  - Enhance indoor comfort.
  - Outstanding heat transfer properties
  - Improve refrigerant balance between Indoor and Outdoor unit.
- » **Variable-speed Electrically Commutated Motor (ECM):**
  - Provides gradual startup and shutdown for unobtrusive operation with lower energy consumption.
  - Constant low-speed operation for outstanding filtration and comfort levels.
- » **Electronic Expansion Valve:**
  - Better utilization of Evaporator.
  - Wide operation range.
- » **Communicating:** Compatible with Daikin *One+* smart thermostat and other Daikin communicating equipment.



BACKED BY A  
12-YEAR PARTS  
LIMITED WARRANTY\*

\*Complete warranty details available from your local dealer/contractor or at [www.daikincomfort.com](http://www.daikincomfort.com). To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.



## MBVC – MULTI-POSITION AIR HANDLER

- » Communicating (Compatible with the Daikin *One+* smart thermostat and other Daikin communicating equipment)
- » Variable-speed ECM indoor blower motor
- » Provides constant CFM over a wide range of static pressure conditions independent of duct system
- » CFM indicator
- » Fault recall of six most recent faults
- » Built-in dehumidification feature
- » Blower section usable as an electric furnace
- » 21 inch deep cabinet for easier attic access
- » Control board includes a blower time-delay in the cooling mode
- » Foil-faced insulation lines the cabinet to help reduce operating sound and cabinet condensation
- » Horizontal or vertical configuration



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## THE FIRST SMART THERMOSTAT TO OFFER FULL TWO-WAY COMMUNICATIONS WITH DAIKIN HVAC SYSTEMS

The Daikin *One+* smart thermostat is an intelligent home air controller from the world's leading heating, ventilating, and air conditioning (HVAC) manufacturer. It is a cloud-connected hub of sophistication, integrated for controlling temperature, humidity, and air quality.

- 1 **The high-resolution color touch screen display** is protected by the same toughened glass used in smart phones.



A number of screen savers are available, including this analog clock.

- 2 **The anodized aluminum bezel and dial** are precision manufactured. The surfaces have a fine bead blast with a warm hued anodized finish. The dial rotation is extraordinarily smooth because it rests on a bearing assembly typically found in precision instruments. A switch behind the dial enables users to return to the home screen from any menu with a single tap.



Turning the dial changes the temperature set-point.

- 3 **An integrated WiFi radio** connects to the internet (via a home router) to the cloud and on to the homeowner mobile application. The Daikin cloud will also seamlessly integrate with open smart home architectures, including *Amazon Alexa* and *Google Assistant*, enabling consumers to effortlessly use features such as voice control.



- 4 **A thin LED light bar** sits flush within the bottom surface and runs from edge to edge, delicately illuminating the wall beneath. Emitting a soft emotive glow, the light bar indicates the current system mode: red-orange for heating, blue for cooling.



- 5 **Built-in bubble level** aids professional installation.

### ADD EXPERT CONTROL FOR YOUR EASE OF USE

Many Daikin products are compatible with the Daikin *One+* smart thermostat. If you seek ultimate home comfort, the Daikin *One+* smart thermostat is an integrated solution for controlling temperature, humidity, and air quality. Learn more at [www.daikinone.com](http://www.daikinone.com).

# ENHANCE YOUR ECOSYSTEM WITH OUR ARRAY OF INDOOR AIR QUALITY SOLUTIONS

## DAIKIN ONE HOME AIR MONITOR



### Detect:

- » The Daikin *One* home air monitor will monitor and learn baseline air quality in the home, over 7 days, then provide a rolling 7-day average baseline.
- » When potential particulate and/or chemical events occur outside of this average baseline, the system will detect the potential deviation and send alerts to the Daikin *One+* smart thermostat.

### Visualize:

- » From the Daikin *One+* smart thermostat, visualize the estimated air quality in real-time directly on the thermostat or through the smartphone app.
- » Indoor Air Quality Event Monitor – from this option, see when particles or chemicals are elevated compared to the 7-day baseline to

help to understand and control your air. The readings will include:

- **Green** - typical concentrations in the home
- **Yellow** - elevated concentrations in the home
- **Orange** - very elevated concentrations in the home

### Act:

- » With built-in *Air Intelligence*, the Daikin *One* home air monitor and Daikin *One* ecosystem provide adaptive solutions homeowners advance through their Daikin *One+* smart thermostat based on air quality alerts.
  - Turn on the furnace or air handler to increase filtration through the high-efficiency Daikin premium air cleaner to address particles.
  - Turn on exhaust/ventilation or open a window to help reduce detected chemicals within the home.

## DAIKIN PREMIUM AIR CLEANER



- » The Daikin Premium Air Cleaner is a MERV 15 media filter that removes more than 85% of particles down to 0.3 microns\*
- » Pleated media filter removes over 98% of *Aspergillus fumigatus*, *Aspergillus versicolor*, and *Stachybotrys chartarum* from the airstream\*
- » Pleated media filter removes over 99% of Ragweed, over 72% of Cat Dander, and over 73% of Dust Mites from the airstream\*

- » Extra deep, 5¼" pleated filter constructed of cellulose-free, hydrophobic polyolefin fibers
- » Filter should be changed once or twice a year based on conditions within the home
- \* Testing performed by LMS Technologies, Inc. Specification values may vary due to individual systems.

**NEW!**

## DAIKIN ONE POWERED VENTILATOR



- » Includes a MERV 16 filter that helps reduce airborne particulates from the incoming air stream (Optional MERV 13 filters are available)
- » Compact and versatile design: can be wall or ceiling-mounted in an attic, basement, garage, or crawl space
- » Cost-effective mechanical ventilation for homes with quiet operation
- » Adjustable climate control limits keep air from entering the house when the on-board sensors detect temperature and/or humidity outside of selected ranges

- » Suitable for use in single and/or multi-family projects
- » Delivers between 40 and 100 CFM<sup>1</sup> of air to the home, adjustable in 10 CFM increments
- » Home Ventilating Institute (HVI) Certified performance / ETL listed

<sup>1</sup> When a MERV 16 filter is used

# EXTENSIVE LINEUP OF SOLUTIONS TO MEET YOUR NEEDS

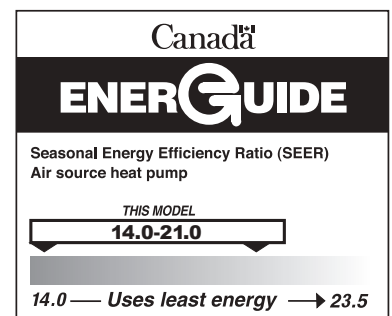
Heat Pumps								
MODELS	DZ20VC	DZ18VC	DZ18TC	DZ17VSA	DZ16TC	DZ16SA	DZ14SA	DZ14SN
Unit Replacement Limited Warranty*								
12-Year Parts Limited Warranty*								
Communicating (Compatible with the Daikin One+ smart thermostat and other Daikin communicating equipment)	■	■	■	■	■	N/A	N/A	N/A
SEER	Up to 21	Up to 19	Up to 19	Up to 18	Up to 17	Up to 16	Up to 15	Up to 15
HSPF	Up to 10.0	Up to 10.0	Up to 10	Up to 10.0	Up to 9.7	Up to 9.5	Up to 9.0	Up to 9.0
Compressor Type	Variable-Speed Scroll and Swing	Variable-Speed Swing	Two-Stage High-Efficiency Scroll	Variable-Speed Swing	Two-Stage High-Efficiency Scroll	High-Efficiency Scroll	Energy-Efficient Scroll	Energy-Efficient Scroll
Defrost Technology (with SmartShift®)	Demand	Demand	Time / Temp	Intelligent	Time / Temp	Time / Temp	Time / Temp	Time / Temp
Internal Diagnostics	■	■	■	■	■	■	■	■
Factory-Installed Accumulator	■	■	■	■	■	■	■	■
Crankcase Heater	Only on 5-ton	N/A	■	N/A	■	■	■	■
High-Density Compressor Sound Blanket	■	■	■	■	■	■	■	N/A
Filter Drier	Field Installed	Field Installed	Factory Installed	Field Installed	Factory Installed	Factory Installed	Factory Installed	Factory Installed
<b>ENERGY STAR®</b> Certified**	<sup>1,2</sup>	NO	<sup>1,2</sup>	NO				NO

\* Complete warranty details available from your local dealer/contractor or at [www.daikincomfort.com](http://www.daikincomfort.com). To receive the 12-Year, 6-Year, or 2-Year Unit Replacement Limited Warranty or 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Québec.

\*\* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system heat pumps must be matched with appropriate coil components to meet **ENERGY STAR®** criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov). Products that are recognized as the Most Efficient of **ENERGY STAR®** in 2020 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency.

<sup>1</sup> The **ENERGY STAR®** Most Efficient recognition applies only to systems with *ComfortNet*.

<sup>2</sup> Products that are recognized as the Most Efficient of **ENERGY STAR®** in 2020 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency. Select combinations are recognized as the Most Efficient of **ENERGY STAR®** in 2020. Visit the following website for more information: [www.energystar.gov/products/most\\_efficient](http://www.energystar.gov/products/most_efficient).



Air Handlers									
MODELS	DVPEC Multi-Position	DVFEC Multi-Position	DVPTC Multi-Position	ASPT Multi-Position	ARUF Multi-Position	MBVC Modular Blower	MBR Modular Blower	AWUF/AWUT Wall-Mount	ACNF Ceiling-Mount
12-Year Parts Limited Warranty*	■	■	■	■	■	■	■	■	■
Communicating (Compatible with the Daikin <i>One+</i> smart thermostat and other Daikin communicating equipment)	■	■	■	N/A	N/A	■	N/A	N/A	N/A
Outdoor Variable-Speed Inverter Compatible (Non- <i>Fit</i> )	■	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compatible with Daikin <i>Fit</i> system	N/A	■	N/A	N/A	N/A	■	N/A	N/A	N/A
All-Aluminum Evaporator Coil	■	■	■	■	■	N/A	N/A	■	■
Factory-Mounted EEV	■	■	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Factory-Mounted TXVs	N/A	N/A	■	■	N/A	N/A	N/A	N/A / ■	N/A
R-410A Refrigerant Compatible	■	■	■	■	■	■	■	■	■
Motor Type	Variable-Speed ECM	Variable-Speed ECM	Variable-Speed ECM	Multi-Speed ECM	Direct-Drive Multi-Speed	Variable-Speed ECM	Direct-Drive Multi-Speed	Direct-Drive Multi-Speed	Direct-Drive Multi-Speed



\* Complete warranty details available from your local dealer/contractor or at [www.daikincomfort.com](http://www.daikincomfort.com). To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration not required in California or Québec.



PRODUCTS ARE NOTHING WITHOUT THE BEST CONTRACTORS TO SUPPORT THEM LOCALLY

## "I'm a Daikin *Comfort Pro*"



Those five 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 Pros* must deliver their best abilities to each and every customer, year after year.

### A commitment to your comfort

Daikin *Comfort Pros* believe that a well-informed homeowner is the best possible customer. All *Comfort Pros* will take the time to help understand your unique comfort needs, assess the performance of your current indoor comfort system, and thoroughly discuss all options with you.



### A commitment to provide you the right service and products

Daikin *Comfort Pros* have access to one of the most complete lines of indoor comfort products and systems available. As the world's leading manufacturer of HVAC, Daikin offers you a full line of comfort solutions that ensures that a Daikin *Comfort Pro* can provide the perfect solution to your home.

### A commitment to serve you over the long term

Daikin *Comfort Pros* want to earn your business. They want to be your long-term provider for all your indoor comfort needs. To help deliver on this commitment, you can take peace of mind with the limited warranty\* coverage offered on your Daikin brand indoor comfort product or system. The Daikin *Comfort Pro* has access to one of the best limited warranty\* programs in the indoor comfort industry.

\* Complete warranty details available from your local dealer/contractor or at [www.daikincomfort.com](http://www.daikincomfort.com).



Ultimately, the commitment to provide you with *Air Intelligence* is represented and reinforced in the Daikin Comfort Promise.

If, for any reason, the Daikin *Comfort Pro* 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.

As part of formally maintaining the Daikin *Comfort Pro* distinction, the Daikin *Comfort Pro* will make all reasonable efforts to resolve any concerns you have within one year of your equipment installation. If a Daikin *Comfort Pro* does not

meet your expectations, they risk losing the ability to sell Daikin products.

With the Daikin Comfort Promise, you can have peace of mind that your Daikin *Comfort Pro* will continue to earn your business well after the sale. If not, they cannot be a Daikin Certified *Comfort Pro*. Period.

To find a local contractor, visit [www.daikincomfort.com/find-dealer/locator](http://www.daikincomfort.com/find-dealer/locator)



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

Did you know you may be able to take advantage of state and local rebates?

Visit [www.daikincomfort.com/rebates](http://www.daikincomfort.com/rebates) to see if you are eligible!



Add further peace of mind with our comprehensive options for extended warranty.

## Asure<sup>SM</sup>

EXTENDED SERVICE PLAN

Daikin understands that you expect to enjoy years of uninterrupted service from your home comfort system. By including an Asure<sup>SM</sup> Extended Service Plan you can have peace of mind knowing that in the event of an equipment failure, Daikin will pick up the cost of the repair. For only pennies a day, you can be protected from the unplanned cost of a service call and from the increasing cost of service over the life of your equipment.

- » No unexpected repair bills
- » Prompt service provided by an authorized Asure<sup>SM</sup> contractor
- » All repairs performed with Daikin brand replacement parts
- » No pre-authorization required
- » No out-of-pocket deductible

These benefits mean that you can count on staying cool in the summer and warm in the winter — an AFFORDABLE benefit that adds VALUE over the life of your home comfort product.

Contact your local Daikin sales representative or local contractor for more information on current extended service plans that are available to you.

Financing for your Daikin home comfort system is available via EGIA.

For more details and enrollment information, visit [www.egia.org/daikin](http://www.egia.org/daikin) or call **888-691-0387**.



## Here's a Review from One of Our Most Important Critics:

*"I don't normally write reviews but have to say how amazed I am with this Daikin DZ20 Inverter System. The humidity control is AMAZING, super quiet and ease of operation is superb. I couldn't be happier with this purchase. Hope this helps someone with their HVAC decisions."*

— Troy, Ft. McCoy, FL

See more reviews at [www.daikincomfort.com/reviews](http://www.daikincomfort.com/reviews)



### 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 sales office.

### 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.



\* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR** criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

