



FIT

DAIKIN *FIT*

FOR MULTI-FAMILY
APPLICATIONS



FIT



The background of the page is a photograph of a modern living room. It shows a dark grey sofa on the left, a dining table with wooden chairs in the center, and a large window in the background. The room is brightly lit, and the floor is made of light-colored tiles. There are two large blue L-shaped graphic elements: one in the bottom left and one in the middle right, framing the central text area.

EXPERIENCE THE DAIKIN DIFFERENCE.

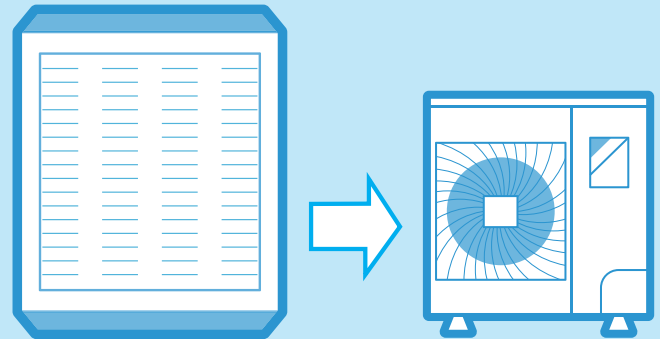
Daikin is the World's No. 1 air conditioning company. Daikin is a global innovator and provider of advanced air conditioning solutions for residential, commercial and industrial applications. For almost 100 years, we have created the most efficient, innovative comfort systems enabled by extensive research. With sales in over 160 countries worldwide, Daikin is revolutionizing the way people and businesses think about heating and air conditioning.

DESIGNED TO FIT COMFORT, SPACE-SAVING, AND EFFICIENCY REQUIREMENTS WITH EASE.

The Daikin *FIT* system is a side discharge, smart HVAC system that won't compromise on comfort and connects to ducted solutions traditional to the unitary market. In a market saturated with expensive high-tiered inverters, the system provides a premium mid-efficiency inverter at an affordable rate. The low profile of the outdoor unit offers solutions when a traditional cube style cannot.

AFFORDABLE. EFFICIENT. SPACE-SAVING.

When installation space is limited, you shouldn't have to compromise. Ideal for zero lot lines, roof, wall, or terrace areas, the Daikin *FIT* features a side discharge style allowing you to meet the demands of projects with the strictest of limitations with relative ease.



TRADITIONAL (CUBE STYLE)
OUTDOOR UNIT

DAIKIN *FIT*
SIDE DISCHARGE STYLE



FEATURES AND BENEFITS

- » **Energy efficient:**
 - **AC:** Up to **17.5 SEER2**
 - **Heat Pump:** Up to **17.5 SEER2 and 8.6 HSPF2**
- » **Compact** – The trunk style outdoor unit is perfect when installation space is limited
- » **Inverter (variable-speed) Compressor** – Ideal indoor comfort and efficiency
- » **Low dBA** – Reclaim outdoor space
- » **Quiet-mode** – Provides enhanced acoustical comfort, up to 3 different sounds levels as low as 45 dB(A)
- » **Blue Fin Coat** – Long condenser coil life and reliability
- » **Swing Compressor** – Quiet and dependable
- » **Side panel access** – Ease of service
- » **Lightweight** – Easier to handle and install (compared to traditional cube style systems)
- » **Intelligent Defrost Mode¹** – The outdoor unit will enable this mode to help reduce 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
- » **Advanced water-shedding drain pan¹** – Engineered with multiple drain holes and channels to help provide effective water shedding
- » **Hot start technology¹** – When the heating operation starts or when the unit changes from cooling to heating there is no cold draft released into the room

DAIKIN *FIT* OUTDOOR UNITS

AC (DX6VS)



HEAT PUMP (DZ6VS)



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 Circuit¹.

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

5 Swing Compressor.

High efficiency. Low sound levels.



6 Intelligent Defrost Mode.

The outdoor unit will enable this mode to help reduce 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.



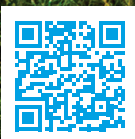
¹Model specific, refer to product engineering manual for details.



FLEXIBLE.
INNOVATIVE.
TECHNOLOGY.



VISIT THE DAIKIN *FIT* MICROSITE
TO LEARN MORE:
www.daikincomfort.com/go/FIT/



DESIGNED TO FIT:



APPLICATION



BUDGET



COMFORT



DESIGN

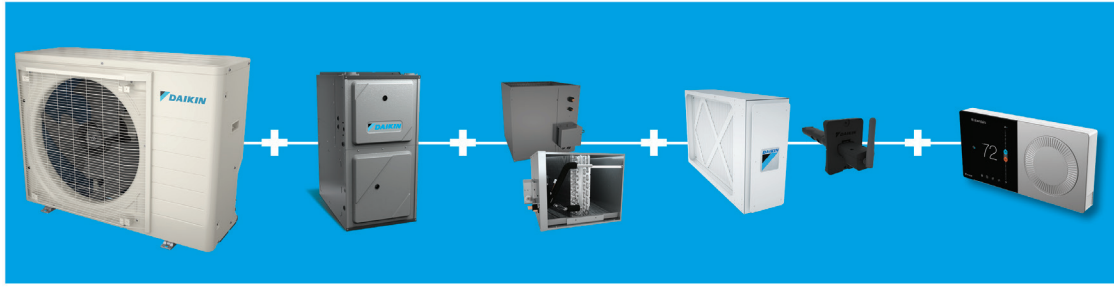
AN IDEAL SOLUTION FOR EVEN THE MOST UNIQUE PROJECTS.

- » Perfect alternative to the traditional cube style unitary products in a 1:1 application.
- » Ideal for townhomes, bungalows, condos, zero lot lines, balconies, patios, terraces, and multi-story locations that would typically require a crane.
- » Install using existing ductwork and existing line sets.
- » Space-saving low profile trunk style outdoor unit for easy carrying and installation in tight spaces.
- » Ease of service and maintenance with a quick-to access side panel.
- » Utilize two new EEV coil families: CAPE/CAPEA (Upflow/Downflow) and CHPE (Dedicated Horizontal).
- » Connects with any Daikin communicating gas furnace 80% and 90%+.
- » For additional IAQ (Indoor Air Quality) control, add Daikin *One* ecosystem and CleanComfort® solutions.
- » Compatible with Daikin *One+* and Daikin *One* touch smart thermostat and other Daikin communicating equipment.

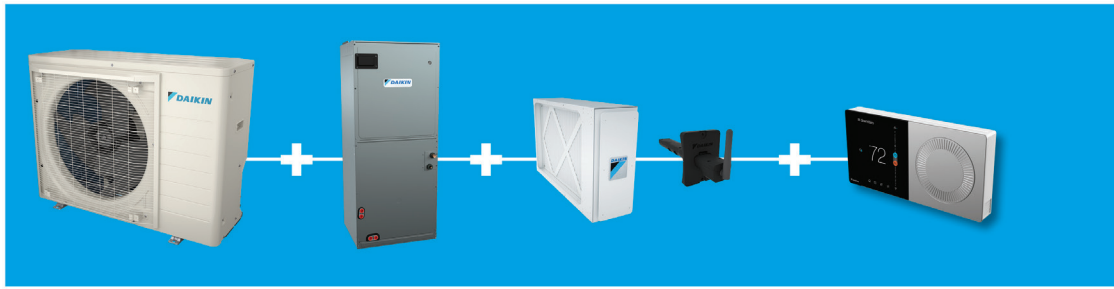


AC, HEAT PUMP, AND DUAL FUEL CONFIGURATIONS:

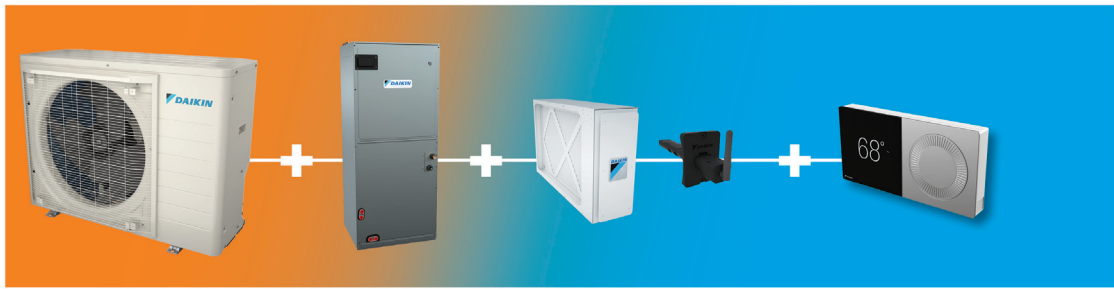
DAIKIN FIT AIR CONDITIONER



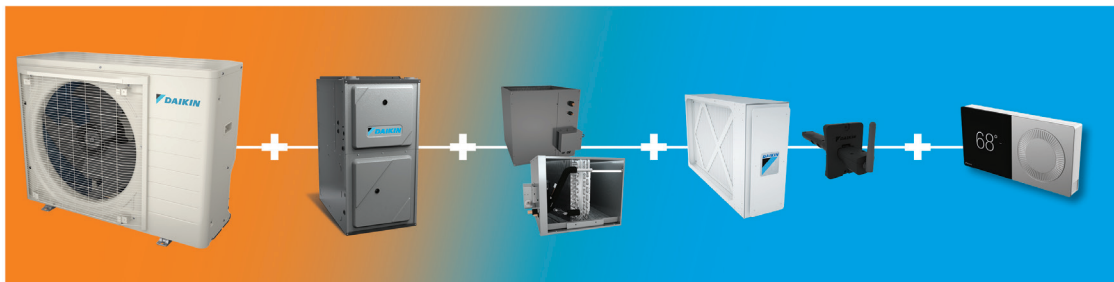
DAIKIN FIT AIR CONDITIONER



DAIKIN FIT HEAT PUMP



DAIKIN FIT HEAT PUMP WITH DUAL FUEL

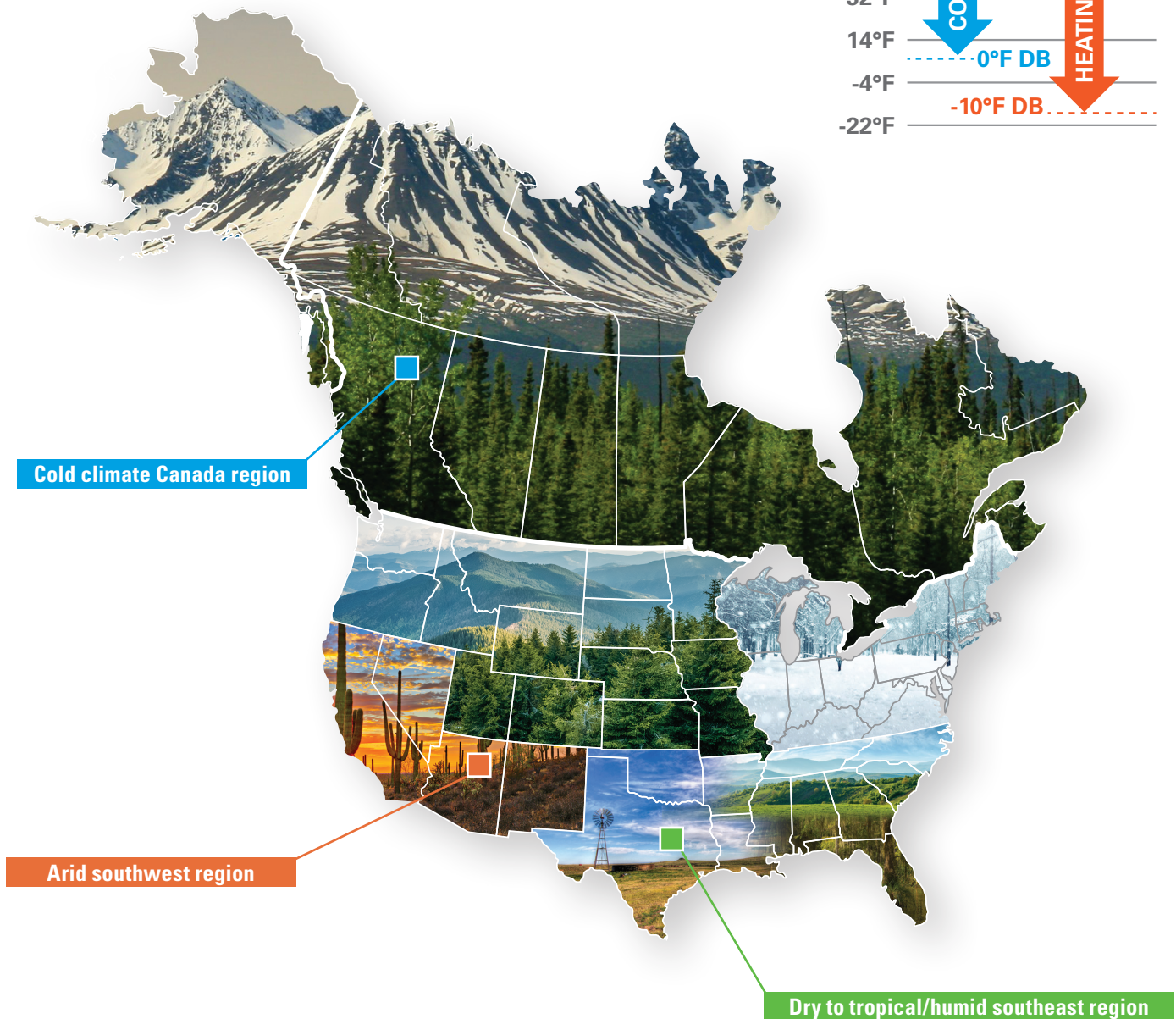
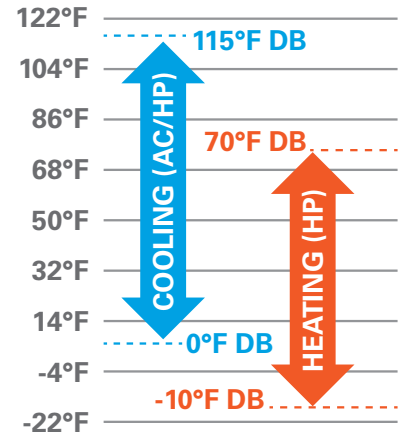


PARTIAL OFFERING AVAILABLE:
1.5 TO 5 TONS WITH UPFLOW/DOWNFLOW COILS

DRIVEN TO HELP YOU MEET SPACE, CLIMATE, AND PROJECT OBJECTIVES.

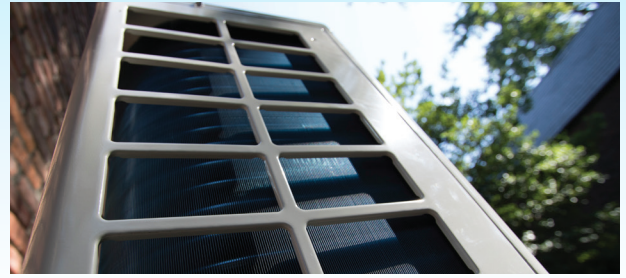
WIDE OPERATION RANGE

Whatever the climate, Daikin *FIT* systems can provide quiet and energy-efficient comfort to multi-family facilities throughout North America.



DAIKIN BLUE FIN CORROSION COATING

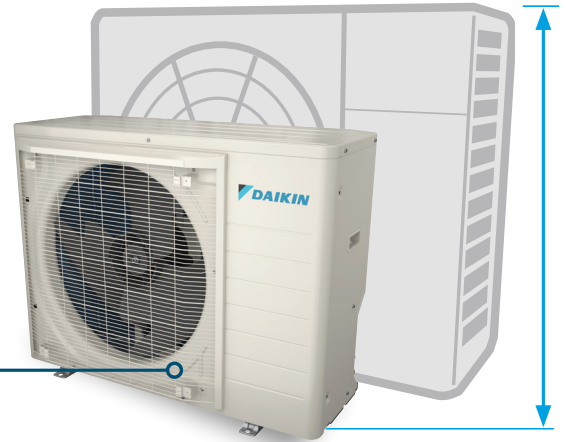
Daikin *FIT* systems feature our professional engineered hydrophilic Blue Fin coating (1000+ hours salt spray rated) as standard. The Blue Fin corrosion coating protects the outdoor unit against weather conditions and reduces friction to allow water to drain quicker from the coil and washes the coil clean.



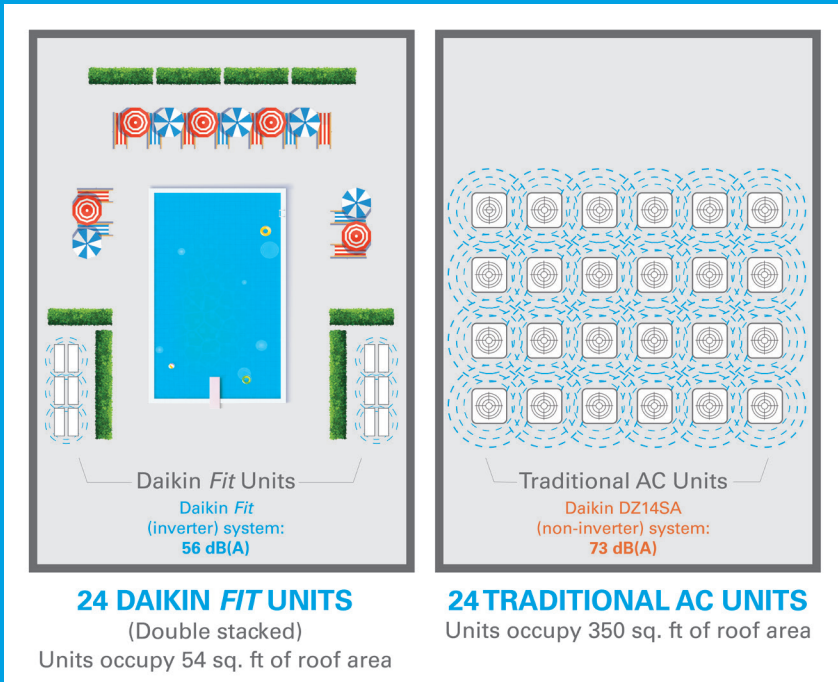
SMALL FOOTPRINT

We've designed the Daikin *FIT* to be highly compact because we know that outdoor space is a premium when it comes to most installations. Whether installed on a roof, balcony, or even on the ground, the side discharge footprint offers a great space-saving solution compared to the traditional cube style.

Up to a 40% smaller in size compared to other side discharge units from competitors.



RECLAIM VALUABLE BALCONY, TERRACE, PATIO AND ROOFTOP SPACE



OPERATIONAL EFFICIENCIES THAT DRIVE SAVINGS

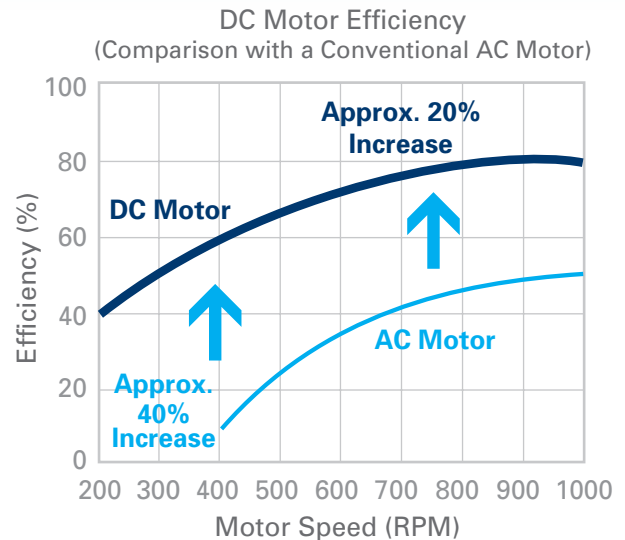
The inverter compressor is the heart of a Daikin *FIT* system. Daikin's inverter technology is responsible for delivering intelligent comfort with efficiency, based on demand. The inverter (variable-speed) compressor delivers the capacity required to maintain desired room conditions, typically reducing energy consumption by up to 30% or more (compared to traditional fixed-speed systems).



Intelligent Defrost Mode: The outdoor unit will enable this mode to help reduce 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.

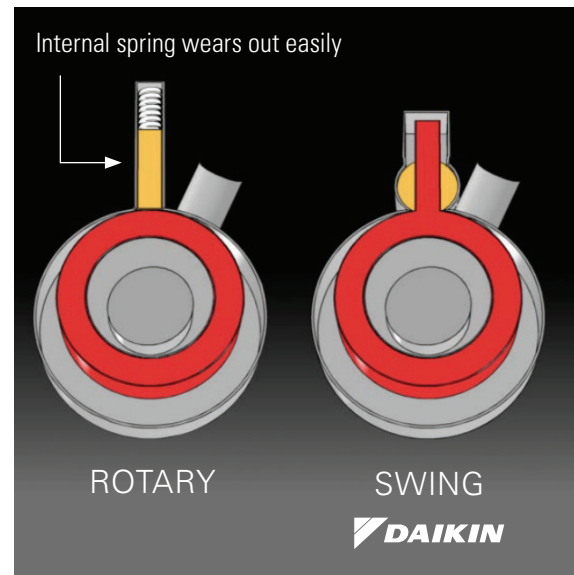
» **Variable-Speed DC Motor:** The enhanced functionality of the variable-speed DC fan motor can offer an increase of approximately 20% in efficiency (compared to systems with a conventional AC motor).



Note: Data is based on studies conducted under controlled conditions at a Daikin laboratory.

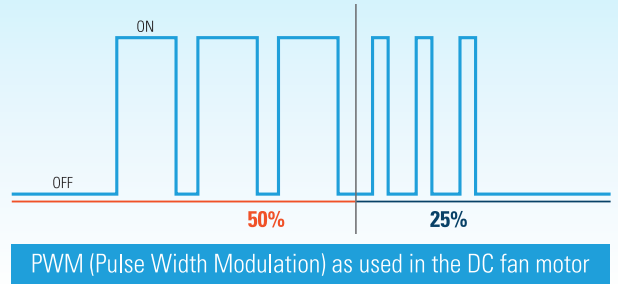
PROPRIETARY SWING COMPRESSOR

Daikin *FIT* systems are engineered with Daikin swing compressor technology. What does this mean? The main parts are integrated into one main component minimizing wear and tear on the system. This enhanced functionality is designed to help eliminate refrigerant leaks from high side to low side and is an ideal compressor choice for high (under 65,000 Btu/h) efficiency systems, such as the Daikin *FIT*. This technology will offer additional peace of mind to every building owner (and tenant).



VARIABLE-SPEED DC FAN

Our Daikin variable-speed DC fan motor operates with PWM (Pulse Width Modulation). With PWM, the Daikin *FIT* operates using adequate energy based on load requirements, providing enhanced operational efficiency (compared to systems without PWM). The image to the right is an example of what PWM power pulses look like (may differ depending on system, and load requirements).



SAVINGS

Opportunities to save help meet a variety of project needs. See a few comparison examples below*.

PRICE COMPARISON*			
14 SEER	DAIKIN <i>FIT</i>	20 SEER	SKYAIR/VRV LIFE
\$	\$\$	\$\$\$	\$\$\$\$

WEIGHT COMPARISON	
(100) 3-Ton 14 SEER Units	(100) 3-Ton Daikin <i>FIT</i> HP Units
17,300 lbs.	13,100 lbs.

SPACE COMPARISON	
(100) 3-Ton 14 SEER Units	(100) 3-Ton Daikin <i>FIT</i> HP Units
584 sq. ft.	175 sq. ft. (Doubled Stacked)

MOP COMPARISON	
3-Ton 14 SEER Units	3-Ton Daikin <i>FIT</i> Units
35	25 (Reduced breaker size allows for electrical and panel size reductions, compared to units with higher MOP values)

Daikin *FIT* offers additional savings opportunities with reduced piping and refrigerant when mounted on balconies (compared to traditional units mounted on the roof).

* The 3 Ton Daikin *FIT* model used in the comparison is not an enhanced capacity model.

* Relative price/position tiers - actual installed costs depend on a number of factors and can vary.

OUTSTANDING PRODUCT WARRANTIES*

OWNER OCCUPIED RESIDENCE ¹		NON-OWNER OCCUPIED RESIDENCE ²	COMMERCIAL ³
			

*1 Complete warranty details available from your local dealer/contractor or at www.daikincomfort.com. To receive the 12-Year Unit Replacement Limited Warranty and 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. The duration of warranty coverages in Texas and Florida differs in some cases.

*2 Complete warranty details available from your local dealer/contractor or at www.daikinac.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration and some of the additional requirements are not required in California or Québec. The duration of warranty coverages in Texas and Florida differs in some cases.

*3 Complete warranty details available from your local dealer/contractor or at www.daikinac.com.

IDEAL TEMPERATURE AND LOW SOUND LEVELS

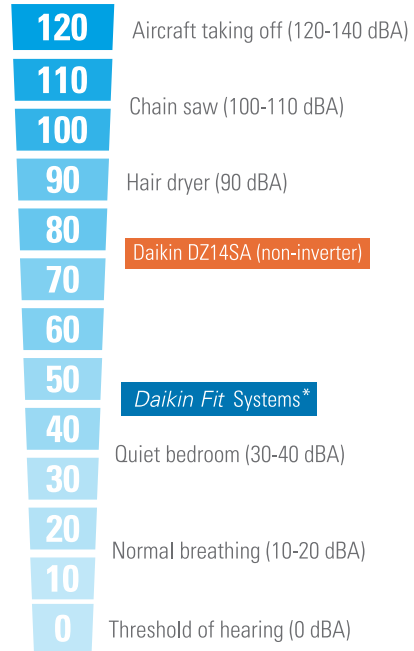
Traditional (non-inverter) systems offer basic ON/OFF operation mode only. With the compressor turning ON/OFF constantly, the system works to reach set indoor temperature. With inverter technology, the Daikin *FIT* system, can adjust operations to meet the desired comfort levels.



Hot Start Technology: When the heating operation starts or when the unit changes from cooling to heating there is no cold draft released into the room.

Undesirable operational sounds often accompany non-inverter (traditional) HVAC systems. These continuous sounds can become a nuisance on a patio, or when the system is installed near a window. With the ability to reach sound power levels as low as 45 dB(A), the Daikin *FIT* system can help bring additional acoustical comfort to any environment (inside and out).

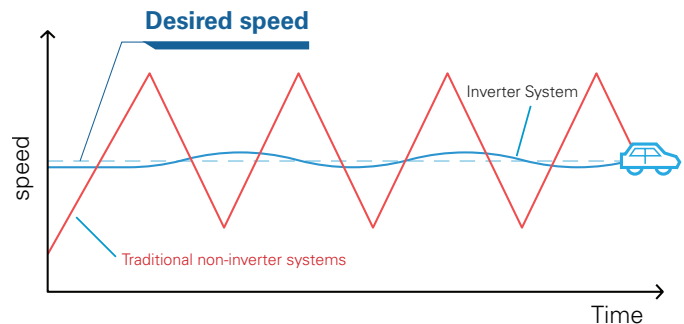
SOUND LEVELS AS LOW AS:



*In quiet mode.

DAIKIN INVERTER TECHNOLOGY

Wouldn't it be great if your cooling and heating system weren't an energy hog? Daikin inverter technology helps systems run at an energy-conserving level, despite the climate conditions, by making slight adjustments to the compressor's speed. Daikin systems will reach the desired temperature faster and maintain a more constant temperature compared to traditional ON/OFF systems. It will not frequently start and stop the "old fashioned way" just as a car is more efficient and comfortable traveling on a highway than it is in stop-and-go city traffic.



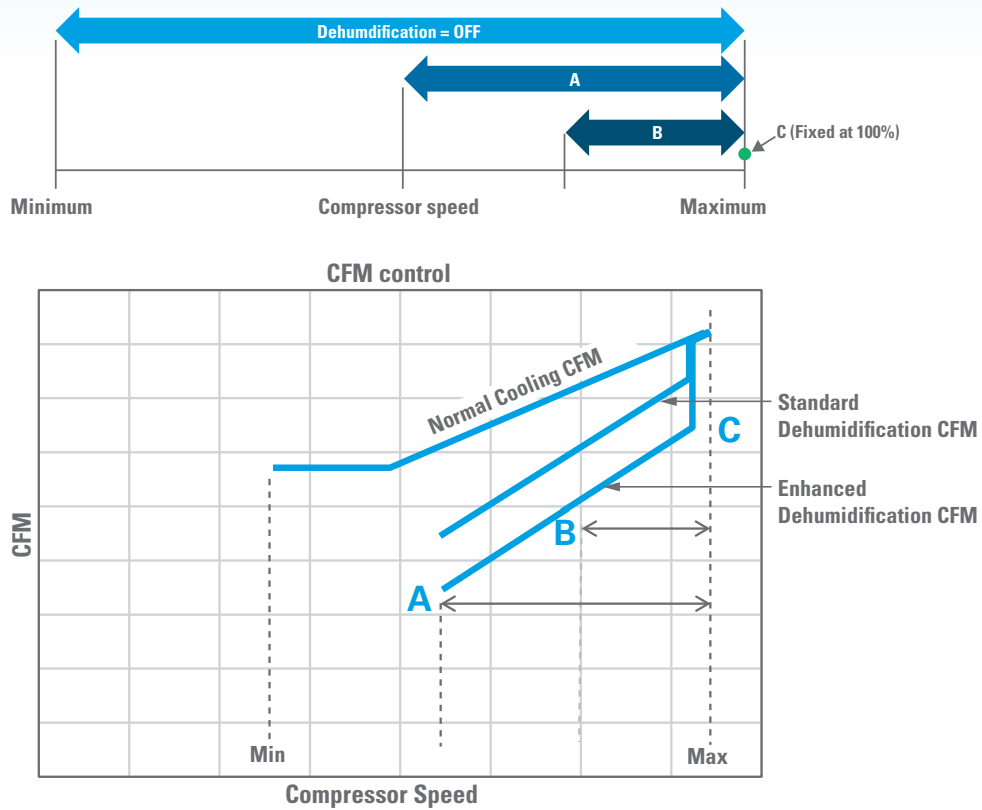
This is a visual depiction of the operation of a Non-Inverter system compared to an Inverter system.



Learn more about the benefits of Daikin Inverter technology:
www.daikincomfort.com/go/inverter/

DEHUMIDIFICATION

The Daikin *FIT* has three levels of humidification that allow the contractor to set up the system based on the geographical region and humidity levels. Option A or B is the suggested setting for most applications. These settings control the speed of the compressor and the speed of the indoor blower to maximize the evaporator coil temperature while minimizing airflow. In short, minimizing airflow — maximum dehumidification.



Dehumidification Levels			
STANDARD	A	B	C
Improves dehum by lowering airflow	Max dehum with wide compressor and airflow range	Moderate dehum with reduced compressor and airflow range	Min dehum, compressor fixed at 100%, airflow @70%



OPEN A WORLD OF DESIGN OPPORTUNITIES

COMPACT FOOTPRINT TO MEET DESIGN DEMANDS

Feature rich design in a compact footprint that includes:

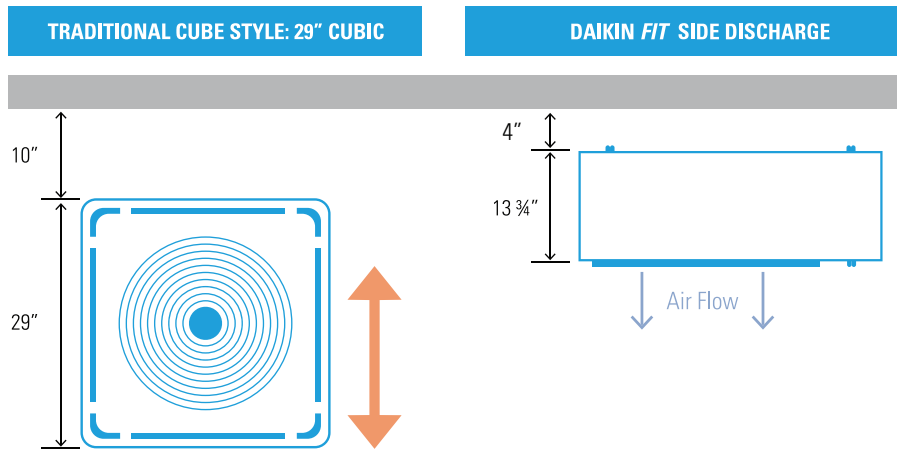
- » **Blue Fin Coat:** Long condenser coil life and reliability.
- » **Swing Compressor:** Quiet and dependable.
- » **Advanced Water-Shedding Drain Pan:** Engineered with multiple drain holes and channels to help provide effective water shedding.
- » **Balcony Drain Treatment:** In a location where drain from the outdoor unit may cause troubles (for example, where drainage may splash on general passersby), perform the drain piping work using the drain plug (optional).

With clearance space as little as 4" from a wall and compact size, the Daikin *FIT* system works when installation space is limited.

- » Easy to bring to the installation site and install on pad — the single fan unit can be transported by a single worker or on a dolly.
- » With a range of installation options, there's flexibility in design.

UNIT DIMENSIONS	
1.5-3 TON	3.5-5 TON
W: 36.6" x D: 13.8" x H: 27.4"	W: 37" x D: 12.6" x H: 39"

ENHANCED CAPACITY MODEL UNIT DIMENSIONS	
2 TON	3, 3.5, 4 TON
W: 36.6" x D: 13.8" x H: 27.4"	W: 37" x D: 12.6" x H: 39"





RECLAIM VALUABLE SPACE



ELEVATE THE TENANT EXPERIENCE



DELIVER IDEAL COMFORT (INSIDE & OUT)



SUPPORT DESIGN OBJECTIVES

THINK OUTSIDE THE TRADITIONAL HVAC BOX

FLEXIBLE PIPING CAPABILITIES

The Daikin *FIT* system is a great choice for most single, two, and three-story homes with existing ductwork. The ability to utilize existing line sets, and connect up to 100' of pipe, for typical installations, (brazed connections – no flare) can offer new solutions to overcome project obstacles.

CONNECTING PIPING (maximum)							
1.5 - 5 ton							
Length				Height			
100 ft.				90 ft.			
ALLOWABLE LINE SET DIAMETER							
UNIT TONS	Liquid			Suction			
	1/4"	5/16"	3/8"	5/8"	3/4"	7/8"	1 1/8"
1.5	x	x	x	x ¹	x		
2.0		x	x	x ¹	x		
2.5		x	x		x ¹	x	
3.0		x	x		x ¹	x	
3.5			x			x	x
4.0			x			x	x
5.0			x			x	x

x Allowable combination

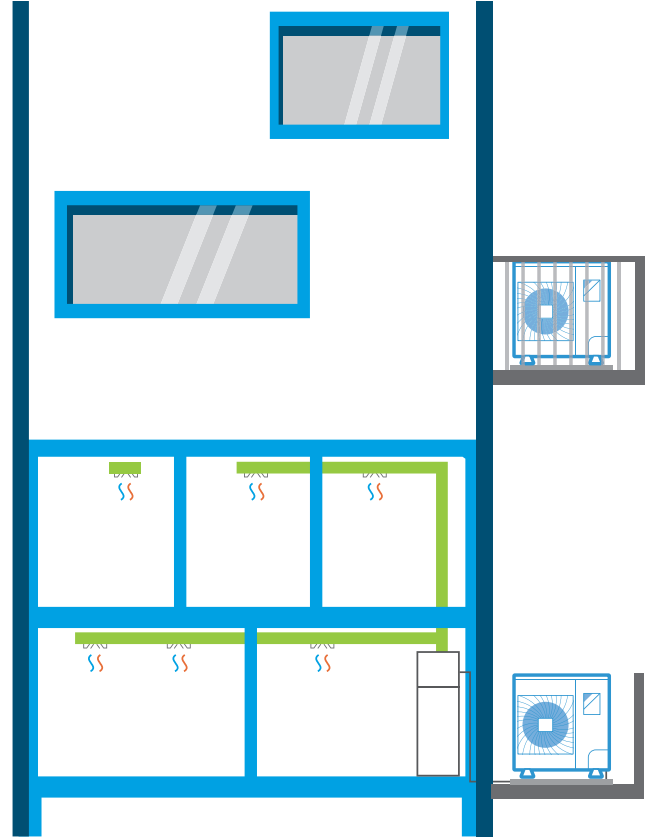
¹ For marked combinations, if normal ambient operation temperature is less than 14°F, limit line set length to 50 ft. max.

ENHANCED CAPACITY

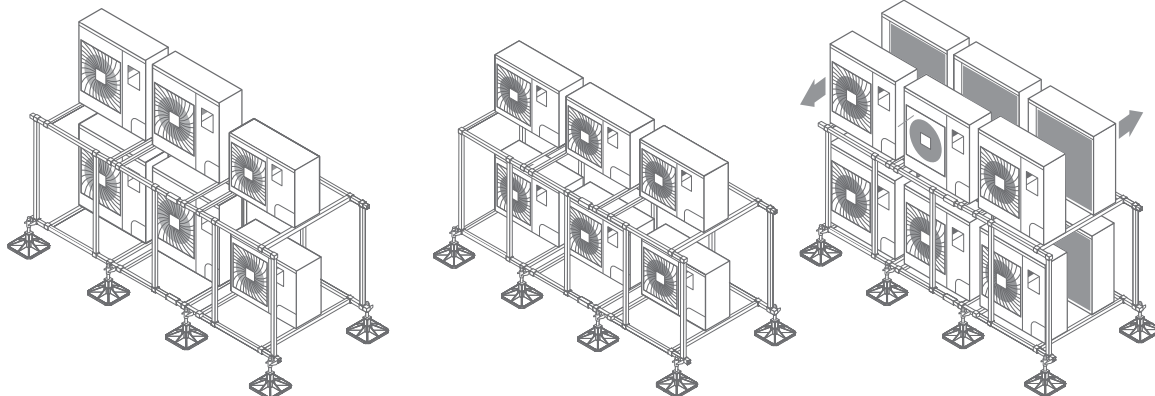
ALLOWABLE LINE SET DIAMETER							
UNIT TONS	Liquid			Suction			
	1/4"	5/16"	3/8"	5/8"	3/4"	7/8"	1 1/8"
2.0		x	x		x ^{*1}	x	
3.0			x			x	x
3.5			x			x	x
4.0			x			x	x

x Allowable combination

*1 For marked combinations, if normal ambient operation temperature is less than 4°F, limit line set length to 50 ft. max.



Stacked Installation Examples

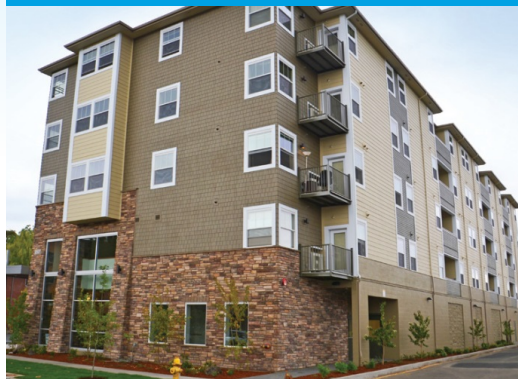


INSTALLATION OPTIONS THAT OFFER DESIGN FLEXIBILITY

WALL MOUNT



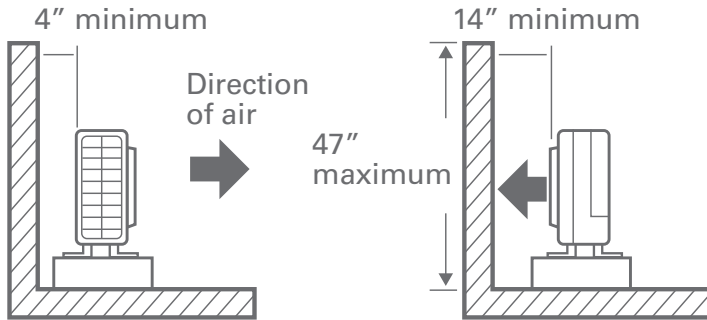
PATIO / TERRACE / BALCONY / UNDER DECK



ROOFTOP

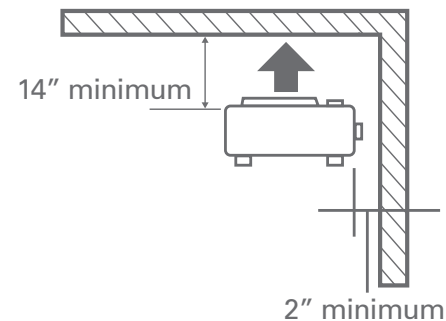
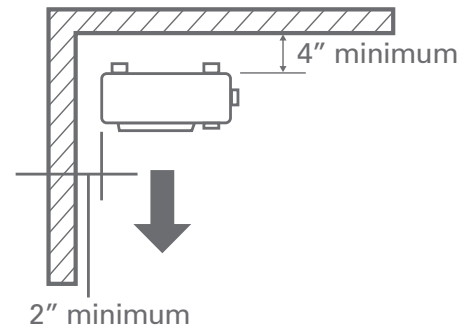
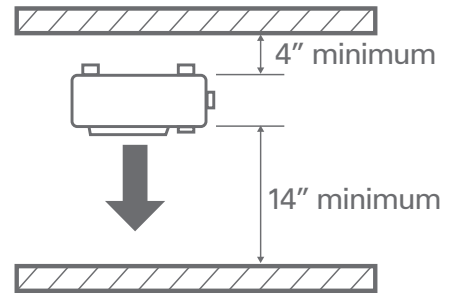


Wall facing one side

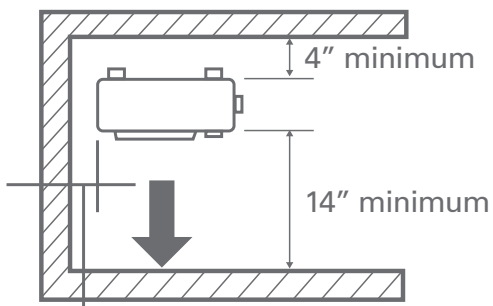


Side view

Wall facing two sides



Wall facing three sides



Top view

Installation dimensions for one 1.5-30-ton chassis.
See IO for additional applications.



CAPE/CAPEA/CHPE – ALL ALUMINUM COILS

- » Available in 1.5-Ton through 5-Ton capacities
- » Engineered for compatibility with Daikin *FIT* air conditioner units
 - CAPEA: Compatible with both Daikin FIT air conditioner and heat pump units
- » Electronic Expansion Valve (EEV) models feature
 - Communicating (Compatible with the Daikin *One+* smart thermostat, Daikin *One* touch smart thermostat, and other Daikin communicating equipment).
 - Cooling and heat pump applications
 - Fault recall of six most recent faults
 - PID control loop for precision capacity control
- » Seamless integration to full suite of Daikin controls using communicating control board
- » Air cleaner and humidifier integration capable (rules apply, refer to installation manual for details).
- » UV and rust resistant, 5VA rated thermoplastic drain pan with integrated secondary drain
- » Foil-faced insulation covers internal casing to reduce cabinet condensation
- » Split seam front for easy installation and service access (except for CAPEA)
- » Light weight all aluminum evaporator coil
- » Ships factory standard up flow with easy field conversion to downflow (CAPEA & CAPE)
- » CHPE is for horizontal applications



**BACKED BY A
12-YEAR PARTS
LIMITED WARRANTY***

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MBVC – MULTI-POSITION AIR HANDLER

- » Communicating (Compatible with the Daikin *One+* smart thermostat, Daikin *One* touch 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



**BACKED BY A
12-YEAR PARTS
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DFVE 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:** Compatibility with the Daikin *One+* smart thermostat, Daikin *One touch* smart thermostat, and other Daikin communicating equipment



BACKED BY A
12-YEAR PARTS
LIMITED WARRANTY*

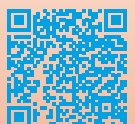
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80-97% AFUE COMMUNICATING GAS FURNACE





- » **Durable heat exchanger:** Unique tubular stainless-steel construction formed using wrinkle-bend technology results in an extremely durable heat exchanger. Paired with a stainless-steel secondary heat exchanger, this combination provides for reliability, durability and efficiency.
- » **Modulating gas valve:** Operates between 35% - 100% capacity, providing precise efficiency and the ultimate in comfort.
- » **Continuous air circulation:** Provides filtration and keeps air moving throughout your home to help maintain comfort.
- » **Self-diagnostic control board:** Continuously monitors the system for consistent, reliable operation.
- » **Quiet, variable-speed induced draft blower:** Provides precise control and enhanced energy-efficient performance as compared to single-speed blowers.

LEARN MORE AT: www.daikincomfort.com/products/heating-cooling/whole-house/air-handlers-coils





INNOVATIVE CONTROL SOLUTIONS.

-  See indoor temperature, change set-points, or switch modes
-  Run the thermostat on a weekly schedule
-  Activate "away" mode to conserve energy
-  Monitor air quality and change settings



Daikin One touch smart thermostat



Daikin One+ smart thermostat

Features:

- » Simple, elegant industrial design
- » Capacitive touchscreen user interface
- » Wi-Fi-enabled smart thermostat with iOS and Android app control
- » Voice control by Amazon Alexa and Google Assistant
- » Energy and comfort functions: Away mode, geo-fencing
- » Outdoor environment monitoring: outdoor temperature, outdoor humidity, and weather forecast
- » Compatible with Daikin One home air monitor for IAQ visualization
- » Error and service notifications
- » Multi-language support: English, Spanish, and French
- » Programmable schedule with adjustable hold function
- » Compatible with Daikin One cloud service

Control is available through popular voice-activated speakers.



THE DAIKIN ONE TOUCH AND DAIKIN ONE+ SMART THERMOSTATS ARE BACKED BY AN OUTSTANDING 12-YEAR¹ LIMITED WARRANTY*

* Complete warranty details available from your local dealer/contractor or at www.daikincomfort.com. To receive the 12-Year Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. The duration of warranty coverages in Texas and Florida differs in some cases.

¹ 12-Year Limited Warranty is available for owner-occupied residences only. For non-owner-occupied residences, the warranty period is 10-years. For multi-family and/or commercial applications, the warranty period is 5-years.

ADD EXPERT CONTROL FOR YOUR EASE OF USE

Many Daikin products are compatible with the Daikin One smart thermostats. If you seek ultimate home comfort, the Daikin One+ and Daikin One touch smart thermostats are an integrated solution for controlling temperature, humidity, and air quality. Learn more at www.daikinone.com.



For systems compatible with the Daikin One+ and Daikin One touch smart thermostats, connection to Daikin One cloud services is possible. This enables you to grant permission to your installing dealer to receive notifications on your system from the Daikin cloud. Granting your dealer access through Daikin One cloud services allows the Daikin cloud to notify your dealer when your system needs maintenance, alert them if your system ever has an urgent need, and provide detailed performance information on your system. Daikin One cloud services can even allow your dealer to provide contactless resolution to some issues remotely. The first year of Daikin One cloud services is included with purchase. Ask your Daikin contractor for more information!

PROVIDE CONTROL TO TENANTS

DIRECT CONTROL: Control directly from the thermostat or 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.

REMOTE CONTROL: An integrated Wi-Fi radio connects to the internet (via a home router) to the cloud and onto the homeowner mobile application.

SMART HOME SYSTEM INTEGRATION: The Daikin *One* Open API allows smart home systems and applications to integrate with your *One+* or *One* touch smart thermostats. The API provides an interface and specification to monitor and update settings on your thermostat. Integration specifically available for Control4® and Crestron®.



LEARN MORE ABOUT THE
DAIKIN ONE SMART
THERMOSTATS:



LEARN MORE ABOUT THE
DAIKIN ONE OPEN API:



CONNECTED THROUGH THE CLOUD

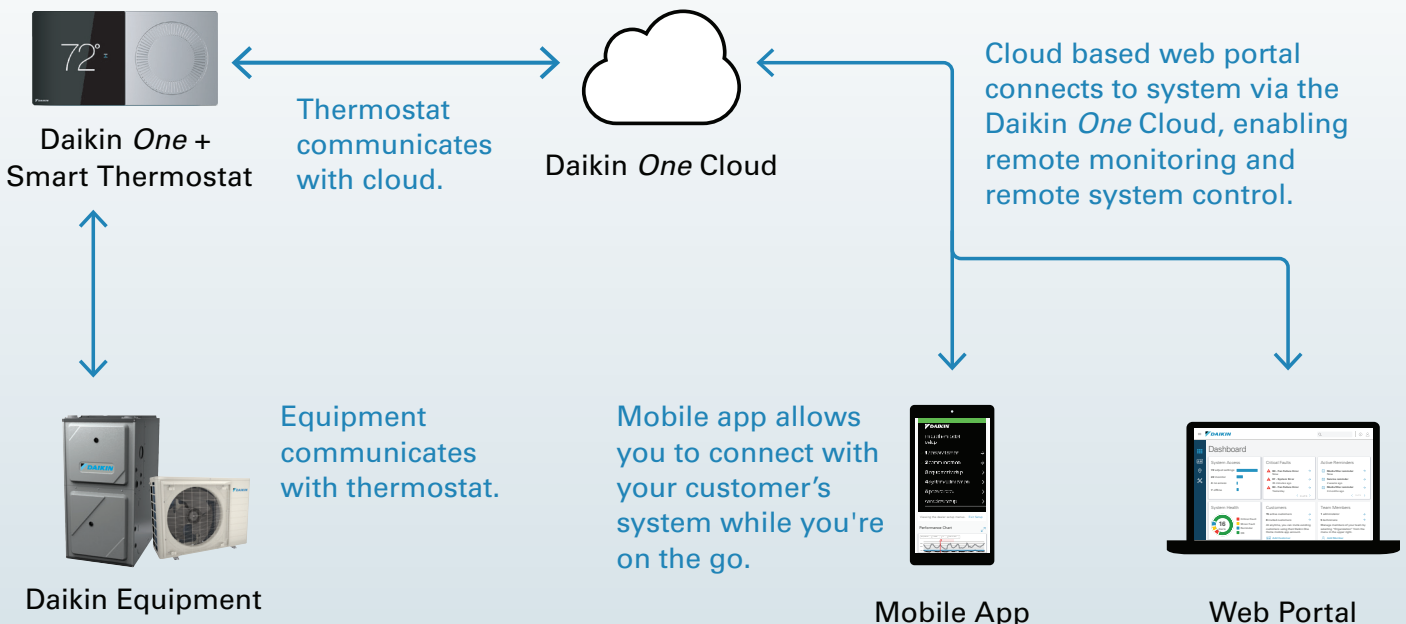
Daikin *One* Cloud Services combines a cloud-based web portal and mobile app that puts the power of information into your hands, allowing you to provide your customers with high levels of service and greater peace of mind than ever before.

Your customers will appreciate the peace of mind they get from knowing that you are able to keep their systems running efficiently without intruding on their home or lifestyle.

Daikin *One* Cloud Services is exclusively for Daikin *Comfort Pros* and requires homeowner permission to monitor and adjust the Daikin *Comfort System*.



CLOUD
SERVICES





The Daikin *One* IAQ solutions offer a full line of design and technology innovation backed by quality. Based on goals, your Daikin Pro will help you build a solution that works for you and your projects.



DAIKIN *ONETOUCH*
AND DAIKIN *ONE+*
SMART THERMOSTATS



DAIKIN *ONE*
HOME AIR MONITOR



DAIKIN *ONE*
POWERED VENTILATOR*



DAIKIN *ONE*
PREMIUM
AIR CLEANER*

CLEAN COMFORT® INDOOR AIR ESSENTIALS

Clean Comfort IAQ Essentials are an extension of the Daikin *One* ecosystem. Whatever the indoor air concern may be, *Clean Comfort* can help. To learn more, ask your Daikin Pro what options would fit your project and be an ideal FIT to the Daikin *FIT* and *One* ecosystem.

FILTRATION PRODUCTS

VENTILATION PRODUCTS

PURIFICATION PRODUCTS

HUMIDITY CONTROL PRODUCTS

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+* or Daikin *One* touch smart thermostat.

Visualize:

- » From a Daikin *One+* or Daikin *One* touch 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+* or Daikin *One* touch 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.

*Only compatible with unitary inverter systems.

DAIKIN ONE PREMIUM AIR CLEANER



Room Temperature Catalyst

- » The Daikin *One* 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
- » Room Temperature Catalyst: Degrades formaldehyde and ozone
- » 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.

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 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 CFM¹ of air to the home, adjustable in 10 CFM increments
- » Home Ventilating Institute (HVI) Certified performance / ETL listed





¹ When a MERV 16 filter is used

DAIKIN FIT - AC OUTDOOR UNIT											
Model Name	DX6VSS 1810A*	DX6VSS 2410A*	DX6VSS 3010A*	DX6VSS 3610A*	DX6VSS 4210A*	DX6VSS 4810A*	DX6VSS 6010A*	DX6VSA 181WA*	DX6VSA 241WA*	DX6VSA 301WA*	DX6VSA 361WA*
Capacities (AHRI Rated)¹ Max. Cooling (BTU/h)	16,600	22,200	27,800	33,600	39,500	45,000	53,000	16,600	22,200	27,800	32,400
Ambient Operation Range Cooling (°FDB(°CDB))	0 to 115 (-17.8 to 46.1)										
Compressor Type RLA	Swing 10.0	Swing 13.4	Swing 16.8	Swing 16.8	Swing 25.5	Swing 25.5	Swing 26.9	Swing 10.0	Swing 13.4	Swing 16.8	Swing 16.8
Condenser Fan Motor Horsepower (HP) FLA	0.09 1.15	0.09 1.15	0.20 2.00	0.20 2.00	0.36 1.63	0.36 1.63	0.36 1.63	0.09 1.15	0.09 1.15	0.20 2.00	0.20 2.00
Refrigeration System Refrigerant Line Size Liquid Line Size ("O.D.) Suction Line Size ("O.D.) Refrigerant Connection Size Liquid Valve Size ("O.D.) Suction Valve Size ("O.D.) Valve Connection Type Refrigerant Charge (oz.) Expansion Device Superheat at Service Valve Subcooling at Service Valve	 3/8" 3/4" 3/8" 3/4" Front Sealing 76 EEV Auto-Control 10±1°F	 3/8" 3/4" 3/8" 3/4" Front Sealing 76 EEV Auto-Control 12±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 79 EEV Auto-Control 14±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 85 EEV Auto-Control 15±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 111 EEV Auto-Control 8±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 111 EEV Auto-Control 9±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 131 EEV Auto-Control 9±1°F	 3/8" 3/4" 3/8" 3/4" Front Sealing 76 EEV Auto-control 10±1°F	 3/8" 3/4" 3/8" 3/4" Front Sealing 76 EEV Auto-control 12±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 79 EEV Auto-control 14±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 85 EEV Auto-control 13±1°F
Electrical Data Voltage / Phase (60 Hz) Minimum Circuit Ampacity ² Max. Overcurrent Protection ³ Min / Max Volts Electrical Conduit Size	208-230/1 14.6 15 197/253 1/2"	208-230/1 18.8 20 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"	208-230/1 34.4 35 197/253 1/2 or 3/4"	208-230/1 34.4 35 197/253 1/2 or 3/4"	208-230/1 36.2 40 197/253 1/2 or 3/4"	208-230/1 14.6 15 197/253 1/2"	208-230/1 18.8 20 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"
Equipment Weight (lbs) Ship Weight (lbs)	119 133	119 133	129 143	133 148	163 183	163 183	174 196	119 133	119 133	129 143	133 148

¹ Testing and rated in accordance with ANSI/AHRI Standard 210/240
² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes
³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.
Notes
 Always check the S&R plate for electrical data on the unit being installed.
 Unit is charged with refrigerant for 15' of 3/8" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

DAIKIN FIT - HEAT PUMP OUTDOOR UNIT								
Model Name	DZ6VSA 1810A*	DZ6VSA 2410A*	DZ6VSA 3010A*	DZ6VSA 3610A*	DZ6VSA 4210A*	DZ6VSA 4810A*	DZ6VSA 6010A*	DZ6VSA 6010A*
Capacities (AHRI Rated)¹ Max. Cooling (BTU/h) Max. Heating (BTU/h)		16,600 17,400	22,200 23,200	27,800 28,800	33,600 34,600	39,500 40,000	45,000 45,500	53,000 54,500
Ambient Operation Range Cooling (°F DB(°C DB)) Heating (°F DB(°C DB))	0 to 115 (-17.8 to 46.1) -10 to 70 (-23.3 to 21.1)							
Compressor Type RLA		Swing Compressor 10.0	Swing Compressor 13.4	Swing Compressor 16.8	Swing Compressor 16.8	Swing Compressor 25.5	Swing Compressor 25.5	Swing Compressor 26.9
Condenser Fan Motor Horsepower (HP) FLA		0.09 1.15	0.09 1.15	0.20 2.00	0.20 2.00	0.36 1.63	0.36 1.63	0.36 1.63
Refrigeration System Refrigerant Line Size Liquid Line Size ("O.D.) Suction Line Size ("O.D.) Refrigerant Connection Size Liquid Valve Size ("O.D.) Suction Valve Size ("O.D.) Valve Connection Type Refrigerant Charge (oz.) Expansion Device Superheat at Service Valve Subcooling at Service Valve		 3/8" 3/4" 3/8" 3/4" Front Sealing 81 EEV Auto-control 10±1°F	 3/8" 3/4" 3/8" 3/4" Front Sealing 81 EEV Auto-control 12±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 88 EEV Auto-control 14±1°F	 3/8" 7/8" 3/8" 7/8" Front Sealing 88 EEV Auto-control 15±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 118 EEV Auto-control 8±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 118 EEV Auto-control 9±1°F	 3/8" 1 1/8" 3/8" 7/8" Front and Back Sealing 127 EEV Auto-control 9±1°F
Electrical Data Voltage / Phase (60 Hz) Minimum Circuit Ampacity ² Max. Overcurrent Protection ³ Min / Max Volts Electrical Conduit Size		208-230/1 14.6 15 197/253 1/2"	208-230/1 18.8 20 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"	208-230/1 23.9 25 197/253 1/2"	208-230/1 34.4 35 197/253 1/2 or 3/4"	208-230/1 34.4 35 197/253 1/2 or 3/4"	208-230/1 36.2 40 197/253 1/2 or 3/4"
Equipment Weight (lbs) Ship Weight (lbs)		122 137	122 137	132 147	137 151	168 185	168 185	179 198

¹ Tested and rated in accordance with AHRI Standard 210/240.
² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.
³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

DAIKIN FIT - HEAT PUMP OUTDOOR UNIT - ENHANCED CAPACITY MODELS				
Model Name	DZ6VSA241EA*	DZ6VSA361EA*	DZ6VSA421EA*	DZ6VSA 481EA*
Capacities (AHRI Rated)¹				
Max. Cooling (BTU/h)	23,000	34,200	40,000	44,000
Max. Heating (BTU/h)	23,000	34,200	40,000	44,000
Ambient Operation Range	0 to 115 (-17.8 to 46.1)			
Cooling (°F DB/°C DB)	-10 to 70 (-23.3 to 21.1)			
Heating (°F DB/°C DB)				
Compressor				
Type	Swing Compressor	Swing Compressor	Swing Compressor	Swing Compressor
RLA	16.8	25.5	26.9	26.9
Condenser Fan Motor				
Horsepower (HP)	0.20	0.36	0.36	0.36
FLA	2.00	1.63	1.63	1.63
Refrigeration System				
Refrigerant Line Size				
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Line Size ("O.D.)	7/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Connection Size				
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"
Suction Valve Size ("O.D.)	7/8"	7/8"	7/8"	7/8"
Valve Connection Type	Front Sealing	Front and Back Sealing	Front and Back Sealing	Front and Back Sealing
Refrigerant Charge (oz.)	88	118	127	127
Expansion Device	EEV	EEV	EEV	EEV
Superheat at Service Valve	Auto-control	Auto-control	Auto-control	Auto-control
Subcooling at Service Valve	14±1°F	8±1°F	9±1°F	9±1°F
Electrical Data				
Voltage / Phase (60 Hz)	208-230/1	208-230/1	208-230/1	208-230/1
Minimum Circuit Ampacity ²	23.9	34.4	36.2	36.2
Max. Overcurrent Protection ³	25	35	40	40
Min / Max Volts	197/253	197/253	197/253	197/253
Electrical Conduit Size	1/2"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
Equipment Weight (lbs)	132	168	179	179
Ship Weight (lbs)	147	185	198	198
Enhanced Capacity Cold Climate				

¹ Tested and rated in accordance with ANSI/AHRI Standard 210/240.

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

DID YOU KNOW YOU MAY BE ABLE TO TAKE ADVANTAGE OF STATE AND LOCAL REBATES?

BE SURE TO REVIEW YOUR LOCAL UTILITIES WEBSITES AND/OR SPEAK WITH YOUR DAIKIN SALES REP TODAY!



About Daikin:

Daikin Industries, Ltd. (DIL) is a global Fortune 1000 company and is recognized as one of the largest HVAC (Heating, Ventilation, Air Conditioning) manufacturers in the world. Founded in 1924, Daikin is approaching 100 years of HVAC worldwide leadership. 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.

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.

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Select DZ6VS heat pump models meet the **ENERGY STAR®** cold climate requirements. Please refer to product engineering manuals for additional information or visit www.energystar.gov.

**ASSEMBLED
IN THE U.S.A.**



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.



Our continuing commitment to quality products may mean a change in specifications without notice.

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