



DAIKIN FIT

FLEXIBLE. INNOVATIVE. TECHNOLOGY.

QUIET / SPACE-SAVING / EFFICIENT

LOW PROFILE AIR CONDITIONER WITH

INVERTER (VARIABLE-SPEED) TECHNOLOGY





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

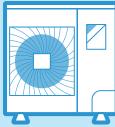
The Daikin *Fit* system is a side discharge, smart HVAC system that won't compromise on comfort and connects to ducted solutions traditional to the unitary market. In a market saturated with expensive high-tiered inverters, the system provides a premium mid-efficiency inverter at an affordable rate.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

AFFORDABLE. EFFICIENT. SPACE-SAVING.

When installation space is limited, families shouldn't need to compromise on comfort. Ideal for zero lot lines, roof, wall, or terrace areas, the Daikin *Fit* features a new style solution allowing you to meet the demands of homes with the strictest of limitations with relative ease.







TRADITIONAL (CUBE STYLE)
OUTDOOR UNIT

NEW DAIKIN FIT SIDE DISCHARGE SOLUTION







FEATURES AND BENEFITS

- » Up to 18 SEER
- 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
- >> 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)

THE DAIKIN *FIT* IS BACKED BY A 12-YEAR PARTS LIMITED WARRANTY* AND A 12-YEAR UNIT REPLACEMENT LIMITED WARRANTY*





* 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 Quebec.





DAIKIN FIT OUTDOOR UNIT- DX17VSS



- Variable-Speed DC Fan.
 High efficiency and low sound levels.
- 7mm Coil.

 High heat exchanger efficiency and compact casing design.
- 2 Blue Fin Corrosion Coating. 1000 hours salt spray rated as standard. Hydrophilic coating to help keep the coil clean.
- Inverter Board Cooled
 by Refrigerant Circuit¹.
 Elimination of condenser fan
 pressure drop caused by heat sink
 used on previous generations.
- New Swing Compressor.
 High efficiency.
 Low sound levels.



VISITTHE DAIKIN FIT MICROSITE TO LEARN MORE:

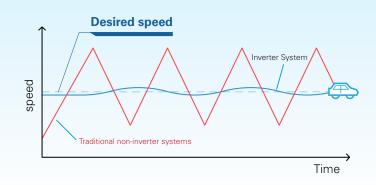
www.daikincomfort.com/go/fit/



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

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.

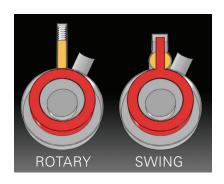


LEARN MORE ABOUT THE BENEFITS OF INVERTER TECHNOLOGY:

www.daikincomfort.com/go/inverter/



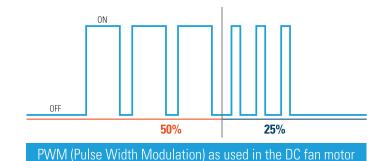
PROPRIETARY SWING COMPRESSOR



Daikin *Fit* systems are engineered with Daikin swing compressor technology. This technology brings additional peace of mind to every homeowner. 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*.

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).



DAIKIN BLUE FIN CORROSION COATING

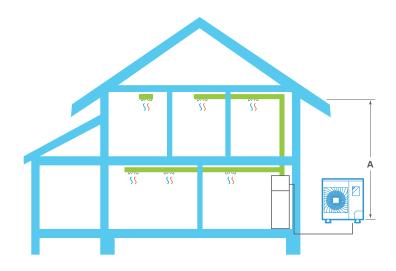


Daikin *Fit* systems feature our professional engineered hydrophilic Blue Fin coating (1000+ hours salt spray rated) as standard. The Blue Fin corrosion coating protects the outdoor unit against weather conditions and reduces friction to allow water to drain quicker from the coil and washes the coil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

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, (braze connections – no flare) can offer new solutions to overcome project obstacles.

CONNECTING PIPING (maximum)									
1.5 - 5 ton									
Length Height									
100	ft			90	ft ft				
PIPING DIAMETER									
	RECOMMENDED LINE SET DIAMETER								
COND UNIT TONS	Liquid		Gas						
10110	1/4"	3/8"	5/8"	3/4"	7/8"	1 1/8"			
1.5 ton	Α	S	Α	S					
2 ton		S	A S						
2.5-3 ton		S	A S						
3.5-5 ton		S A S							
A = ALLOWABLE / S = STANDARD									







A NEW SOLUTION FOR EVENTHE MOST UNIOUE PROJECTS:

- » Perfect alternative to the traditional cube style unitary products in a 1:1 application
- » Traditional homes, townhomes, bungalows, condos, zero lot line homes, patios, terrace, 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-toaccess side panel
- » Utilize two new EEV coil families:
 - » CAPE (Upflow/Downflow)
 - » CHPE (Dedicated Horizontal)
- » Connects with any Daikin communicating gas furnace 80% and 90%+
- » ComfortNet communicating system compatible
- » Add the new Daikin *One* premium air cleaner for additional IAQ (Indoor Air Quality) control



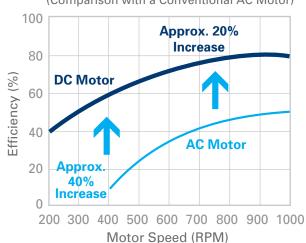
Budget

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).

» 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.





Design

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.

Undesirable operational sounds often accompany non-inverter (traditional) HVAC systems. These continuous sounds can become a nuisance in yards, or when the system is installed near a window. With the ability to reach sound power levels as low as 56dB(A), the Daikin *Fit* system can help bring additional acoustical comfort to any environment (inside and out).

SOUND LEVELS AS LOW AS:

120	Aircraft taking off (120-140 dBA
110	Chain saw (100-110 dBA)
100	Chain saw (100-110 ubA)
90	Hair dryer (90 dBA)
80	Daikin DZ14SA (non-inverter)
70	Balkin B2140A (non-inverter)
60	Daikin Fit Systems
50	Daikii i i t 3ysteilis
40	Quiet hadroom /20 40 dPA\
30	Quiet bedroom (30-40 dBA)
20	Normal breathing (10-20 dBA)
10	Tromial broading (10 20 dbA)
0	Threshold of hearing (0 dBA)

COMPACT FOOTPRINT TO MEET DESIGN DEMANDS:

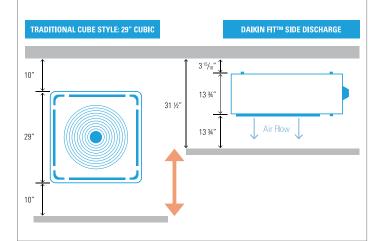
Feature rich design in a compact footprint that includes:

- » Blue Fin Coat: Long condenser coil life and reliability
- » Swing Compressor: Quiet and dependable

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

- » Fit more in your HVAC tech van or truck; 4 5 Daikin Fit units as opposed to 1 or 2 traditional systems
- » 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

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"					







CAPE/CAPEA/CHPE - ALL ALUMINUM COILS

- Available in 1.5-Ton through 5-Ton capacities
- » Engineered for compatibility with Daikin Fit outdoor units
- » Electronic Expansion Valve (EEV) models feature
 - ComfortNet communicating system compatible
 - 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



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MBVC - MULTI-POSITION AIR HANDLER

- » ComfortNet communicating system compatible
- ›› 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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INDOOR UNITS



80-97% AFUE COMMUNICATING GAS FURNACE

PREMIUM FEATURES INCLUDE:

- » 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







DAIKIN ONE PREMIUM AIR CLEANER

- » Magnetic door design ensures tool-less, easy access to filter components for quick and easy filter changes
- » Insulated cabinet to reduce risk of condensation
- » The new 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
- » Designed for multi-position horizontal or vertical installations
- » Filter design features a structured density gradient for sustained efficiency over the life of the filter

- » Filter has a tight cabinet fit ensuring negligible air bypass
- » Filter frame designed with dual pull tabs for easy removal
- >> Fully gasketed door for proper air seal
- » Heavy duty, 20 gauge, post-forming painted, corrosion-resistant door
- » All cabinet mounting holes are slotted and designed to lineup with original equipment flanges for time-saving installation
- » Filter should be changed once or twice a year based on conditions within the home
- * Testing performed by LMS Technologies, Inc.



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INNOVATIVE CONTROLS





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.

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.

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.

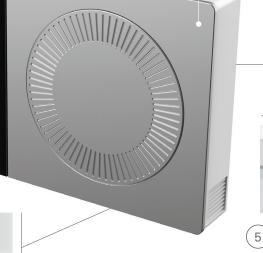


Turning the dial changes the temperature set-point.

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 AlexaTM and Google AssistantTM, enabling consumers to effortlessly use features such as voice control.

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,







Built-in bubble levelaids professional
installation.



blue for cooling.

The **home screen** displays the current temperature, the current system mode, and icons leading to each of the top level screens.



The **adjust screen** displays the current temperature on the left and set-points on the right. Change the set-points by dragging them or by turning the dial.



The **schedule screen** displays upcoming set-point changes and scheduled times. It also offers access to edit mode, where you can adjust the schedule.



The **away screen** displays energy saving set-points. Energy saving can be invoked manually or automatically when the mobile app recognizes everyone is away.

SPECIFICATIONS



DAIKIN FIT - OUTDOOR UNIT								
Model Name	DX17VSS 181AA	DX17VSS 241AA	DX17VSS 301AA	DX17VSS 361AA	DX17VSS 421AA	DX17VSS 481AA	DX17VSS 601AA	
Cooling Capacity								
Max. Cooling (BTU/h)	17,100	22,800	28,400	34,200	40,000	45,500	54,000	
Compressor								
Туре	Swing							
RLA	10.5	15.2	20.0	20.0	25.0	25.0	26.0	
Condenser Fan Motor								
Horsepower (HP)	3/16	3/16	3/16	3/16	1/4	1/4	1/4	
FLA	2.18	2.18	2.70	2.70	2.50	2.50	2.50	
Refrigeration System								
Refrigerant Line Size1								
Liquid Line Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Suction Line Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	11//8"	11/8"	11/8"	
Refrigerant Connection Size								
Liquid Valve Size ("O.D.)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
Suction Valve Size ("O.D.)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	
Valve Connection Type	Front-Seated							
Refrigerant Charge (oz.)	76	76	79	85	116	116	139	
Superheat at Service Valve	EEV							
Subcooling at Service Valve	10±1°F	12±1°F	10±1°F	10±1°F	8±1°F	9±1°F	8±1°F	
Electrical Data								
Voltage-Phase (60 Hz)	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	208/230-1	
Minimum Circuit Ampacity ¹	12.7	17.4	22.7	22.7	34.0	34.0	35.5	
Max. Overcurrent Protection ²	15	20	25	25	35	35	40	
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253	
Electrical Conduit Size	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
Equipment Weight (lbs)	112	112	121	128	168	168	181	
Ship Weight (lbs)	130	130	139	146	183	183	196	

^{**} Inverter/Controller limited to less than 1 Amp

Notes: Always check the S&R plate for electrical data on the unit being installed. Unit is charged with refrigerant for 15' of ¾" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

CAPEA

Model	Dimensions			Nominal	Connection Size		Ship Weight
	W"	D"	H"	Cooling (tons)	Liquid"	Suction"	(lbs)
CAPEA1818B4	17½	21	18	1½	3∕8	3/4	43
CAPEA1818C4	21	21	18	1½	3∕8	3/4	45
CAPEA2422B4	171/2	21	22	2	3∕8	3/4	48
CAPEA2422C4	21	21	22	2	3∕8	3/4	51
CAPEA3026B4	17½	21	26	21/2	3∕8	7∕8	54
CAPEA3026C4	21	21	26	21/2	3∕8	7∕8	57
CAPEA3026D4	24½	21	26	2½	3/8	7∕⁄8	62

The manufacturing entity reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

CAPE

Model	Dimensions			Nominal	Connect	Ship Weight	
Model	W"	D"	H"	Cooling (tons)	Liquid"	Suction"	(lbs)
CAPE4860C4	21	21	30	3-5	3∕6	7/6	71
CAPE4860D4	241/2	21	30	3-5	3/6	7/8	73
CAPE4961C4	21	21	30	3-5	3/6	7/8	78
CAPE4961D4	24½	21	30	3-5	3/8	7/6	80

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CHPE

Model	Cabinet Dimensions			Nominal	Connection Size		Ship Weight
	W"	D"	H"	Cooling (tons)	Liquid"	Suction"	(lbs)
CHPE2430B4	211/8	26	17½	1½-2½	3/8	3/4	56
CHPE3636B4	211/8	26	17½	3	3/8	3/4	59
CHPE3642C4	211/8	26	21	3-31/2	3/8	3/4	62
CHPE3743C4	211/8	26	21	3-31/2	3/8	1/8	68
CHPE3743D4	211/8	26	241/2	3-31/2	3/8	1/8	72
CHPE4860D4	211/8	26	241/2	4-5	3/8	7/8	79

The manufacturing entity reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

¹ Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

² Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

SUPPORT AND PEACE OF MIND

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

Visit www.daikincomfort.com/rebates to see if you are eligible!



TAKE COMFORT IN OUR FINANCING OPTIONS

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

For more details and enrollment information, visit **www.egia.org/daikin** or call **888-691-0387**.



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



Daikin understands that you expect to enjoy years of uninterrupted service from your home comfort system.

By including an AsureSM 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, your 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 AsureSM Dealer
- » All repairs performed with Daikin authorized 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.





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.

