

— Small Footprint Big Impact

HITACHI



Authorized Distributor
WWW.ULTIMATEZONING.COM
INFO@ULTIMATEZONING.COM
305-877-2873

Variable Refrigerant Flow Systems
Mini VRF for New Construction
and Renovation Projects

Cooling & Heating



VRF SYSTEMS

HITACHI HERITAGE IN COOLING & HEATING

1981



IDU: Wall Mounted type

1983



IDU: 4-way Ceiling Cassette type

World's First

1983



World's First

World's first PAC with Scroll Compressor built-in

1982



IDU: Ceiling Cassette type

1983



Scroll Compressor Production for AC unit.

World's First

1984



VRF 1st generation

Hitachi's first VRF "High-Multi" series
• Contains multiple reciprocating compressors
• Individual IDU control available

Commercial AC Refrigerators
Compressor for REF Casting

Commercial AC Refrigerators
Compressors

1940

1960

1980

1950

1970

Roller Casting

Commercial AC Refrigerators
Compressor for REF Casting

1958



Compressor for Refrigerators

1972



IDU: Floor Exposed type

1976



IDU: Ceiling Built-in type

1978



ODU: for low-ambient-temperature market

1976



IDU: Ceiling Suspended type

1979



World's First

ODU: PAC controlled by micro-computer built-in

1986

VRF 2nd generation



Hitachi's 1st Inverter-driven VRF With Scroll Compressor built-in

2002

VRF 6th generation



6 TONS

Newly R410A adopted VRF Heat Pump and Heat Recovery

1988

VRF 3rd generation



World's First

1 TON

Up to 5 IDUs

World 1st Inverter-driven VRF
Up to 115 Hz in 1986

2011



World's First

Centrifugal VRF
Point "Outdoor unit" that can be installed inside the building

Commercial AC VRF
Compressors

2000

2015

Johnson Controls and Hitachi form the global joint venture



1990

Commercial AC
Compressors VRF

2010

Commercial AC
Compressors VRF

1991

VRF 4th generation



World's First

2 TONS

Up to 8 IDUs
(130 % capacity!)

World 1st IGBT Inverter built-in VRF
leading to top-in-class quietest operation

5HP

8HP and 10HP

1999

VRF 5th generation

Newly R407C adopted VRF
"SET FREE FSG": heat-pump type
"SET FREE FXG": heat-recovery type

Up to 12 IDUs!
(130 % capacity!)



6 TONS

2012

VRF 7th generation



11 TONS

2016

VRF 8th generation



Hitachi New Generation VRF
This New Generation VRF is 8th Generation VRF
after 33 Years Experience

20 TONS

2015



36 TONS

7th Generation of VRF Technology:
VRF Systems Debut in North America Market

2016

8th Generation of VRF Technology:
Mini VRF and Low Ambient VRF systems introduced into North America



2017

8th Generation Technology introduced into North America



2018

Water-Source VRF Technology introduced into North America.
One of the largest capacity water-source systems on the market.



48 TONS

MINI VRF SYSTEM

TABLE OF CONTENTS

WHY VRF

Enjoy A Better Tomorrow	5-6
Latest Innovation	7-8
Everything You Need For Success.....	9-11
Advantages For Your Entire Team.....	12-13

INDOOR UNITS

Overview	14-18
1-Way Cassette Unit	19
2-Way Cassette Unit	20
4-Way Mini Cassette Unit	21
4-Way Cassette Unit	22-23
Celling Suspended Unit	24
Wall-Mount Unit	25-26
Floor-Exposed Unit.....	27
Ducted High Static Unit	28-29
Ducted Medium Static Unit	30-31
Ducted Slim Unit	32
EconoFresh Economizer Unit	33
Multi-Position Air Handler	34-36
Multi air Multi-Position Air Handler (Built-in Control Box Type)	37-39

MINI VRF OUTDOOR UNITS

Mini VRF System Overview	40-41
Mini VRF Systems-208/230V	42-43

CONTROLLERS

Controllers	44-51
-------------------	-------

OPTIONAL PARTS & ACCESSORIES

Optional Parts Accessories	52
----------------------------------	----

The information contained in this catalog is for illustration purposes only and is subject to change at the sole discretion of Johnson Controls. Statements, figures, calculations, plans, images and representations are only examples. Johnson Controls encourages you, as the purchaser, to analyze your HVAC requirements and to work with Johnson Controls to determine the exact VRF System to fulfill your needs.

MINI VRF SYSTEM

ENJOY A BETTER TOMORROW

Mini VRF systems offer a host of benefits to you and your customers. These small-footprint, modular systems offer tremendous design flexibility, enabling you to solve multiple HVAC challenges. And your customers will appreciate the exceptional energy savings and individualized comfort they provide.

Design with freedom

A variety of standard modular components let you customize and size equipment to meet specific project requirements. Because ductwork is generally needed only for ventilation, ducts can be smaller, reducing capital cost. Systems can easily be adapted as space is reconfigured. There is no need to remove and replace the original unit or reconfigure ductwork.

Install with ease

Hitachi Mini VRF systems are designed for quick and simple installation. Piping from the outdoor units can be connected from the front, back, side, or underneath. Indoor units are relatively small and light and easy to transport and handle. Service is simple too: systems need little maintenance beyond changing filters and cleaning coils. Removal of a single panel provides easy access to all components: control boards, electrical connections, compressor and piping.

Enjoy guilt-free comfort

These compact systems are among the most energy-efficient HVAC options available today, so customers never have to choose between comfort and savings.

Variable-speed compressors provide extremely high part-load efficiency. And the systems essentially eliminate the energy loss that occurs in conventional, ducted central systems that may account for as much as 30% of energy consumption. In fact, these green technology systems can help customers attain LEED® certification points for resource efficiency.

Occupants will enjoy unparalleled comfort with Hitachi Mini VRF Systems. Temperature can be set individually for multiple zones to suit different needs. And, once the temperature is set, the system's variable-speed compressors and precise modulation help maintain it within a narrow range, ensuring consistent comfort. Occupants will also appreciate the system's whisper-quiet operation.

Plan on years of worry-free service

Hitachi Mini VRF Systems feature the Hitachi-designed, high-efficiency scroll compressor. This exclusive technology is known for its excellent reliability and efficiency, and low noise level.

Hitachi Mini VRF Systems boast impressive efficiency ratings

SEER

Seasonal Energy
Efficiency Ratio
up to **24.1**

EER

Energy
Efficiency Ratio
up to **16.7**

HSPF

Heating Seasonal
Performance Factor
(HSPF) up to **12.8**



MINI VRF SYSTEM

ENJOY A BETTER TOMORROW (Continued)

You are in control

You set the level of control with options that range from wired individual controllers to gateways for building automation systems.

A wide selection of thermostats (controllers) are available for indoor fan coil units from simple units with on/off, setpoint, load and speed settings, to programmable units that enable scheduling. Wireless units are also available to remotely control conditions.

Central station controllers for larger projects provide remote control and scheduling of the entire system from one or more control points.

Adapters (gateways) enable control of large buildings or campuses through building automation systems such as Facility Explorer®.

The ideal choice for multiple applications

The many advantages offered by the Hitachi Mini VRF System make it the optimal choice for a wide range of new construction and retrofit projects including:

- **Buildings with multiple zones** that have different comfort needs such as hotels, schools, medical office buildings, and commercial office buildings
- **Historical building renovations** in which ducted HVAC options are severely limited and the basic building structure must not be disturbed
- **Residential buildings** including apartments, townhomes, single-family homes and condominiums
- **Light commercial buildings** such as small retail shops and churches



Industry certified

Hitachi VRF Systems are Intertek ETL Listed (Canada & USA), signifying that they comply with the standard of Heating and Cooling Equipment (ANSI/UL 1995 and CAN/CSA C22.2 No. 236-11, 4th Edition, October 14, 2011). Our Mini VRF products are tested under AHRI 210/240.

The systems are also certified by the Air Conditioning, Heating & Refrigeration Institute.



ENERGY STAR certified product
(Only for 3 and 4 Ton)

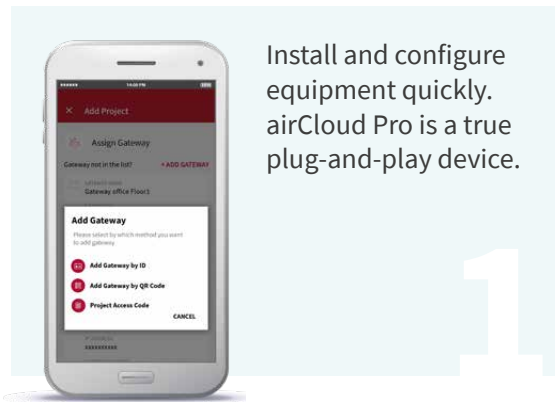
Proper sizing and installation of equipment is critical to achieve optimal performance.

LATEST INNOVATIONS

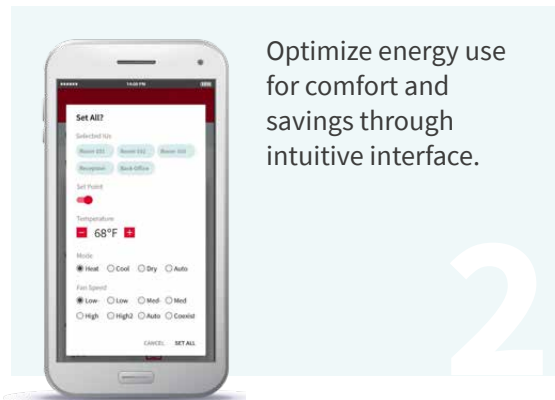
AIRCLOUD PRO™

Control is always close at hand

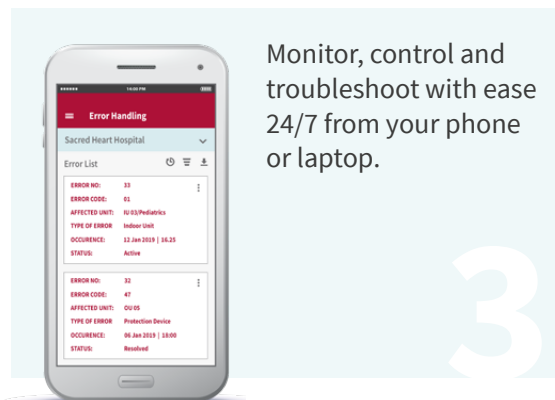
Monitoring and controlling systems is as easy as 1-2-3



Install and configure equipment quickly. airCloud Pro is a true plug-and-play device.



Optimize energy use for comfort and savings through intuitive interface.



Monitor, control and troubleshoot with ease 24/7 from your phone or laptop.

The app that gives you control on the go

It's never been easier to control Hitachi VRF Systems. Using Internet of Things (IoT) technology, airCloud Pro enables you to manage Hitachi VRF equipment anytime/anywhere. On the web or through a smartphone, control is always close-at-hand.

With airCloud Pro's intuitive interface, you can manage an unlimited number of VRF systems quickly and easily:

- Adjust temperature, fan speed and equipment modes
- Receive error and maintenance alerts
- Set operating schedules
- Add users with customized permissions
- And more

Set up is simple with true plug-and-play installation. And functionality is always current with new features and updates pushed to the app.

airCloud Pro puts the latest technology to work for you.



LATEST INNOVATIONS

SILENT-ICONIC™ 4-WAY CASSETTE PANEL

Create the perfect atmosphere

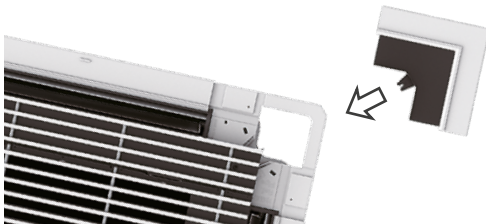
Enjoy the unobtrusive design of ducted indoor units and the cost savings of cassette units with a sophisticated solution that will please the visually discerning and budget-minded alike. The Silent-Iconic 4-Way Cassette Panel gives you the best of both worlds.

The four flaps of the Silent-Iconic are crafted to reduce visual impact yet maintain precise airflow control. Further minimizing the cassette's appearance, the central inlet of the unit is louvred, so it integrates perfectly into the ceiling. Air vents are tastefully hidden, so the indoor unit blends seamlessly into its surroundings.



Installation is a breeze

Corners slide into place for hassle-free fastening.



Blind-shaped
air inlet port

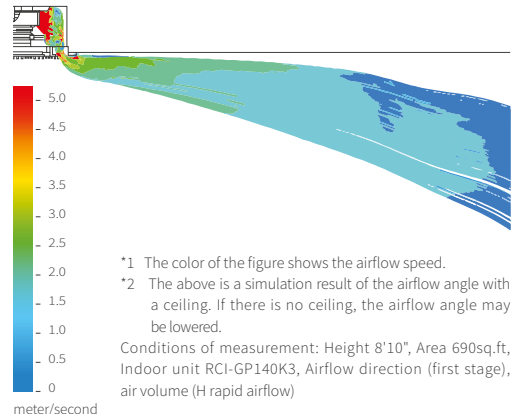


This unique, award-winning panel turns your indoor unit into a design statement.



Looks and comfort delivered

Used with the Hitachi 4-Way Cassette, air is dispersed uniformly through four artfully concealed ducts, for optimal comfort throughout the space.



Designed with attention to detail

The small space between the panels and the ceiling creates a "lighter" visual effect.



reddot winner 2021
best of the best



DESIGN
AWARD
2020

The Silent-Iconic 4-Way Cassette Panel has won design excellence awards in prestigious international competitions. Best of all, it provides a cost-effective solution that is as functional as it is good-looking. Available in white or black, the Silent-Iconic offers style and cost-savings in one optimal solution.

MINI VRF SYSTEM

EVERYTHING YOU NEED FOR SUCCESS

Effective training, intuitive design and selection software, advanced logistics timely delivery, and easily-accessible documentation form a powerful support package that adds substantial value to Hitachi Mini VRF Systems.

Expert instructors and hands-on experience for your team

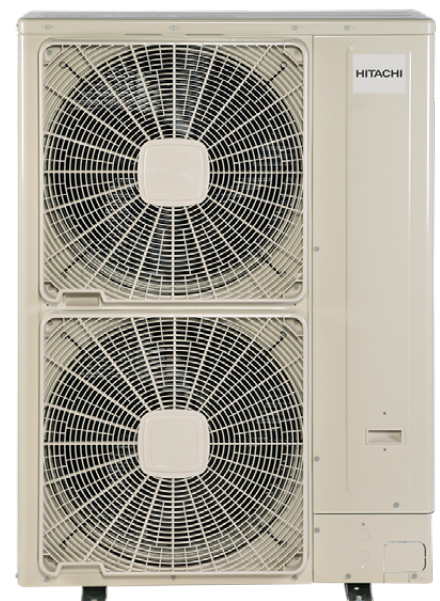
Comprehensive training programs provide knowledge and skills necessary to effectively and efficiently deploy Hitachi Mini VRF technology. Our world-class training centers offer a full VRF course curriculum with specialized modules and topics that help:

- Designers select and configure the right equipment easily and accurately.

- Installers learn the proper procedures and complete jobs accurately, on time, and on budget.
- Service technicians maintain, troubleshoot and repair systems efficiently.

The training centers include a dedicated VRF laboratory to provide hands-on experience with the various systems, components and controls. Videos and webinars supplement classroom learning on specific subjects and refresh and enhance the skills of your design, installation, and service teams.

Hitachi Mini VRF training programs help deliver peace of mind so that your staff is prepared to support your business with the knowledge to compete in a growing industry.



MINI VRF SYSTEM

EVERYTHING YOU NEED FOR SUCCESS (Continued)

Right-size systems with intuitive selection software

The Hitachi Mini VRF selection software intuitively guides you step by step through equipment selection so you can quickly and accurately choose an appropriate and cost-effective system configuration for each application. The web-based program allows access from any computer or tablet. The software helps you:

- Design accurate final system drawings including piping and wiring diagrams in an easy, quick, step by step process.
- Accurately select systems using a System Sizing Analysis. The process starts with the indoor fan coil units so that outdoor units are optimally sized. Proprietary algorithms calculate the system size using data input on the indoor units, load and measurements, so your system does not include capacity that will go unused.
- Use intuitively-designed features and functionality that make the design process easy, fast and accurate. You can select options and accessories quickly, easily and accurately without the need for additional information or calculations.



MINI VRF SYSTEM

EVERYTHING YOU NEED FOR SUCCESS (Continued)

Expect the right equipment on site and on time

Ample inventory and advanced order management and logistics systems can help you complete installations in a timely manner. Consistent service and predictable deliveries help you prevent delays waiting for essential components and enable you to set a project timeline and schedule labor efficiently. Our state-of-the-art main distribution center is located near Memphis, Tennessee, where UPS and FedEx have hubs. This enables us to provide fast, accurate deliveries and simplifies expedited shipments.

Find information you need 24/7



Easy access to product information helps designers, contractors and service personnel work accurately and efficiently.

Our secure web portal, HVACNavigator.com, provides product documentation, technical and service manuals, troubleshooting guides, brochures, videos, technical support, contact information, and more.

Let's go to work – together

Hitachi Mini VRF Systems can be configured to meet your project requirements and deliver exceptional performance. Heat pump units with DC inverter-driven compressors offer energy savings and the ability to scale to size. Indoor units for ducted or non-ducted applications offer optional motion sensing control for even greater energy savings. Additional energy savings can be achieved with the EconoFresh Economizer Indoor Unit which provides free cooling when conditions permit. A host of options, controls and accessories help ensure a custom fit for your project and years of comfort for your customers.

Enjoy the advantages of working with our team while bringing the many benefits of Hitachi Mini VRF Systems to your customers.



MINI VRF SYSTEM

ADVANTAGES FOR YOUR ENTIRE TEAM

Summary of features and benefits

	FEATURES	ADVANTAGES	BENEFITS
ARCHITECT / SYSTEM DESIGNER	Compact footprint	<ul style="list-style-type: none"> Ideal for areas with strict lot-line codes 	<ul style="list-style-type: none"> Expand options for positioning outdoor units
	Modular components	<ul style="list-style-type: none"> Require less indoor space than conventional systems 	<ul style="list-style-type: none"> Simplify design process Allow easy updates in reconfigured or expanded space
	Non-ducted systems	<ul style="list-style-type: none"> Ultimate in design flexibility Reduce clearance between building floors 	<ul style="list-style-type: none"> Reduce system costs Ideal for historic renovations
	Ducted systems	<ul style="list-style-type: none"> Accommodate retrofit by making use of existing duct infrastructure Suit unique buildings that include ducted and non-ducted areas 	<ul style="list-style-type: none"> Reduce overall construction costs
	Heat pump VRF systems	<ul style="list-style-type: none"> Precisely heat or cool multiple zones 	<ul style="list-style-type: none"> Provide extreme flexibility in system design
	Comprehensive training	<ul style="list-style-type: none"> Tailor modules to specific job functions 	<ul style="list-style-type: none"> Enable effective equipment selection and specification
	Web-based system selection software	<ul style="list-style-type: none"> Intuitive functionality that simplifies and speeds designs Accessible from any computer or tablet 	<ul style="list-style-type: none"> Allow confident selection and right-sizing of systems

	FEATURES	ADVANTAGES	BENEFITS
MECHANICAL CONTRACTOR/INSTALLER	Installation simplicity	<ul style="list-style-type: none"> Outdoor unit piping can be connected from front, side, back, or underneath. 	<ul style="list-style-type: none"> Reduce installation time and cost
	Comprehensive training	<ul style="list-style-type: none"> Tailor modules to specific job functions 	<ul style="list-style-type: none"> Enable professional, high-quality, timely installation
	Consistent, reliable product delivery	<ul style="list-style-type: none"> Ensure correct components are delivered to job sites on time 	<ul style="list-style-type: none"> Enhance installation efficiency Allows efficient labor scheduling
	Easy maintenance access	<ul style="list-style-type: none"> All components easily accessible 	<ul style="list-style-type: none"> Speed up time spent on maintenance, repair, and troubleshooting
	Easy access to product information	<ul style="list-style-type: none"> All product information is available on HVACNavigator.com 	<ul style="list-style-type: none"> Simplify and speed maintenance, troubleshooting and repairs
	Compact and lightweight outdoor units	<ul style="list-style-type: none"> Easy to handle 	<ul style="list-style-type: none"> Reduce installation time and cost

VRF SYSTEM

ADVANTAGES FOR YOUR ENTIRE TEAM (Continued)

		FEATURES	ADVANTAGES	BENEFITS
BUILDING OWNER	System	Single phase power supply	<ul style="list-style-type: none"> Flexibility in selection of buildings and locations 	<ul style="list-style-type: none"> Mini VRF can be used in most light commercial and residential applications
		Designed for optimized efficiency	<ul style="list-style-type: none"> SEER is industry's highest for VRF systems Highest COP of Mini VRF systems on the market 	<ul style="list-style-type: none"> Save energy
		Optimum individualized comfort	<ul style="list-style-type: none"> Connect up to 8 Indoor Units to one Outdoor Unit 	<ul style="list-style-type: none"> Efficient heating or cooling Set-temperatures per zone increase occupant comfort
		Noise reduction preference mode	<ul style="list-style-type: none"> User can choose from several noise reduction levels 	<ul style="list-style-type: none"> Extremely quiet (sound ratings as low as 44 dBA for outdoor units; 28 dBA for indoor units) Ideal where outdoor units are positioned on side of building or in locations where there are noise restrictions
	Compressor	DC inverter-driven scroll compressor	<ul style="list-style-type: none"> Engineered to deliver the optimum efficiency at normal load conditions 	<ul style="list-style-type: none"> A leader in the Mini VRF system industry Highest SEER Highest COP
		Compressor modulation	<ul style="list-style-type: none"> Smoothly deliver only the exact amount of refrigerant needed for the load 	<ul style="list-style-type: none"> Allow fine control for optimum comfort Save energy
	Outdoor Units	Demand control	<ul style="list-style-type: none"> Users can select several power-saving levels 	<ul style="list-style-type: none"> Limit electric demand charges Limit equipment wear and tear Reduce noise
		Compact and lightweight	<ul style="list-style-type: none"> Can be placed in tight areas such as patios and balconies 	<ul style="list-style-type: none"> Can save valuable space
	Indoor Units	As high as .74 in. W.G. static pressure in ducted systems	<ul style="list-style-type: none"> Offer adjustable speeds to match the static pressure requirement 	<ul style="list-style-type: none"> Flexibility to accommodate long or short ductwork runs
		Optional motion and radiant sensors	<ul style="list-style-type: none"> Set back temperature when space is unoccupied, increasing efficiency even further 	<ul style="list-style-type: none"> Save energy
	Controls	H-Link II Protocol	<ul style="list-style-type: none"> Control multiple indoor and outdoor units from one control point Add versatility to connect various central control options 	<ul style="list-style-type: none"> Maximize indoor comfort Save energy Improve system management
		Temperature control	<ul style="list-style-type: none"> Adjust in 1 degree Fahrenheit increments Adjustable fan speeds 	<ul style="list-style-type: none"> Auto-adjust for daylight saving time Provide options to satisfy multiple projects/ buildings
		VRF Smart Gateway	<ul style="list-style-type: none"> Enable control of VRF systems by way of a building management system (e.g., Facility Explorer®) for almost unlimited control of buildings in campus enterprises 	<ul style="list-style-type: none"> Reduce integration time and expense with automatic data formatting Full BMS capabilities enable superior control of all system components Access Wi-Fi for 24/7 monitoring and control from laptops, tablets, and smartphones

INDOOR UNITS

FEEL THE DIFFERENCE



Indoor Units

The Mini VRF Outdoor Unit is compatible with all Hitachi VRF indoor units. Hitachi VRF indoor units operate quietly and are easy to install, service, and maintain. A wide variety of non-ducted and ducted units are available in styles and capacities to fit multiple applications. Units operate quietly with sound ratings as low as 26 dBA.

Non-Ducted Units

1-Way Cassette

2-Way Cassette

4-Way Mini Cassette

4-Way Cassette

Ceiling-Suspended

Wall-Mount

Floor-Exposed

Ducted Units

Ducted High Static

Ducted Medium Static

Ducted Slim

EconoFresh Economizer

Multi-Position Air Handler

Multi air Multi-Position Air
Handler
(Built-in Control Box Type)

INDOOR UNITS OVERVIEW

Choose the style and size from the wide selection of indoor units to meet your requirements for layout and design.

Non-ducted indoor unit model numbers



1-Way Cassette

HIC1006B2(1,2)S
HIC1008B2(1,2)S
HIC1012B2(1,2)S
HIC1015B2(1,2)S



2-Way Cassette

HIC2018B21S
HIC2024B21S



4-Way Cassette

HIC4008B21S
HIC4012B21S
HIC4015B21S
HIC4018B21S



4-Way Mini Cassette

HICM008B21S
HICM012B21S
HICM015B21S
HICM018B21S



Ceiling Suspended

HICS015B2(1,2)S
HICS024B2(1,2)S
HICS030B2(1,2)S
HICS036B2(1,2)S



Wall Mount

TIWM006B2(1,2)S
TIWM008B2(1,2)S
TIWM012B2(1,2)S
TIWM015B2(1,2)S



Floor Exposed

HIFE006B21S
HIFE008B21S
HIFE012B21S
HIFE015B21S

Ducted indoor unit model numbers



Ducted High Static

HIDH015B2(2,3)S
HIDH018B2(2,3)S
HIDH024B2(2,3)S
HIDH027B2(2,3)S



Ducted Medium Static

HIDM006B2(2,3)S
HIDM008B2(2,3)S
HIDM012B2(2,3)S
HIDM015B2(2,3)S
HIDM018B2(2,3)S
HIDM054B2(2,3)S



Ducted Slim

HIDS006B21S
HIDS008B21S
HIDS012B21S
HIDS015B21S
HIDS018B21S



EconoFresh

HIDM030B21E
HIDM036B21E
HIDM048B21E

Multi air Multi-Position Air Handler(Built-in Control Box Type)

TIAH008B22M
TIAH012B22M
TIAH018B22M
TIAH024B22M

TIAH030B22M
TIAH036B22M
TIAH048B22M
TIAH060B22M



Multi-Position Air Handler



HMAHP18B21S
HMAHP24B21S
HMAHP30B21S
HMAHP36B21S
HMAHP36C21S







HMAHP48C21S
HMAHP48D21S
HMAHP60C21S
HMAHP60D21S
HMAHP60D22S



INDOOR UNITS SELECTION

Choose from a wide
array of options

Tons		0.5	0.7	1.0	1.3	1.5	2.0	2.3	2.5	3.0	4.0	4.5	5.0	6.0	8.0
1-Way Cassette Indoor Unit															
2-Way Cassette Indoor Unit															
Mini Cassette Indoor Unit															
4-Way Cassette Indoor Unit															
Ceiling Suspended Indoor Unit															
Wall Mount Indoor Unit															
Floor Exposed Indoor Unit															

Ducted High Static Indoor Unit															
Ducted Medium Static Indoor Unit															
Ducted Slim Indoor Unit															
EconoFresh Economizer Indoor Unit															
Multi-Position Air Handler Unit															
Multi air Multi-Position Air Handler (Built-in Control Box Type)															

INDOOR UNITS OVERVIEW

1-WAY CASSETTE INDOOR UNIT



This slim and stylish yet inexpensive unit is ideal for spaces that only require one-way airflow.



CEILING SUSPENDED INDOOR UNIT



This unit with its sleek design operates quietly and efficiently while evenly distributing airflow.



2-WAY CASSETTE INDOOR UNIT



Providing bi-directional airflow, this exceptionally quiet unit is a good choice for many different spaces.



WALL MOUNT INDOOR UNIT



With wide-angle louvers, this unit distributes air comfortably throughout a room for an even temperature.



4-WAY MINI CASSETTE INDOOR UNIT



This versatile unit is quiet, energy-efficient and compact, making it a great choice for many applications.



FLOOR EXPOSED INDOOR UNIT



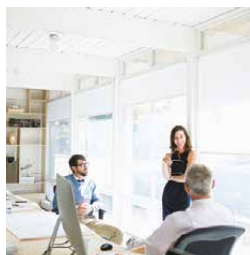
This slim-design unit leaves design options open and is ideal for perimeter conditioning of air.



4-WAY CASSETTE INDOOR UNIT



Compact and lightweight, this unit with 4-way airflow is easy to install even in tight spaces.



INDOOR UNITS

OVERVIEW (Continued)

DUCTED HIGH STATIC INDOOR UNIT



This unit has a high-efficiency fan motor, multiple fan speeds and bottom access for ease of service.



ECONOFRESH ECONOMIZER INDOOR UNIT



This unit combines a ducted Medium Static unit with an Economizer Kit to provide outside air/free cooling when conditions permit.



DUCTED MEDIUM STATIC INDOOR UNIT



With a high-efficiency fan motor, this unit has multiple fan speeds and access from underneath for ease of service.



MULTI-POSITION AIR HANDLER UNIT



This flexible unit with multiple installation positions is ideal both for residential and light commercial applications.



DUCTED SLIM INDOOR UNIT



This slim-line unit features a high-efficiency fan motor, multiple fan speeds, and access from underneath for ease of service.



MULTI AIR MULTI-POSITION AIR HANDLER (BUILT-IN CONTROL BOX TYPE)



This new Multi air AHU simplify installation, comes in three sizes and eight capacities to suit applications as small as a hotel room or office, and as large as a single-family house



INDOOR UNITS

1-WAY CASSETTE (NON-DUCTED)



Capacities 6,000 to 15,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- Sensor enables remote reading of air supply temperature
- Automatic swing louver distributes airflow evenly for uniform temperature
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.
- Optional energy-saving motion and radiant heat sensor for optimized airflow and temperature control in response to room occupancy

Ceiling-mounted one-way cassettes offer compact designs and a choice of corner-mounted, one-way discharge or two-way discharge (from the front and downward).

Tonnage				0.5		0.7		1.0		1.3	
1-Way Cassette Indoor Unit Model #				HIC1006B2(1,2)S		HIC1008B2(1,2)S		HIC1012B2(1,2)S		HIC1015B2(1,2)S	
Power Supply				AC 1 Phase, 208/230V, 60Hz							
Nominal Cooling Capacity ¹		Btu / h	(kW)	6000	(1.8)	8000	(2.3)	12000	(3.5)	15000	(4.4)
Nominal Heating Capacity ¹		Btu / h	(kW)	6700	(2.0)	9000	(2.6)	13500	(4.0)	17000	(5.0)
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB		34-32-29-27		36-34-31-28		40-37-33-31		42-38-35-31	
Outer Dimensions	Height	in.	(mm)	9-1/4	(235)	9-1/4	(235)	9-1/4	(235)	9-1/4	(235)
	Width	in.	(mm)	35-7/16	(900)	35-7/16	(900)	35-7/16	(900)	35-7/16	(900)
	Depth	in.	(mm)	27-15/16	(710)	27-15/16	(710)	27-15/16	(710)	27-15/16	(710)
Net Weight		lbs.	(kg)	55	(25)	55	(25)	57	(26)	57	(26)
Refrigerant				R410A							
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm		300-265-229-212		335-300-265-229		459-406-353-300		512-459-388-335	
		(m3/min)		(8.5-7.5-6.5-6)		(9.5-8.5-7.5-6.5)		(13-11.5-10-8.5)		(14.5-13-11-9.5)	
Motor Nominal Output		W		50		50		50		50	
Connections											
Refrigerant Piping				Flare-Nut Connection (with Flare Nuts)							
	Liquid Line	in.	(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)
	Gas Line	in.	(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)
Condensate Drain	OU	in.	(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)
Adjustable Panel Model Name				P-AP36CNA				P-AP56CNA			
Applicable Indoor Unit Model				HIC1006B2(1,2)S and HIC1008B2(1,2)S				HIC1012B2(1,2)S and HIC1015B2(1,2)S			
Color				Neutral White							
Dimension	Height	in.	(mm)	1-3/8 (35)							
	Width	in.	(mm)	43-5/16 (1100)							
	Depth	in.	(mm)	31-1/2 (800)							
Net Weight		lbs.	(kg)	10 (4.5)							

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

1-Way Cassette

Compatible Accessories	HIC1006-015B2(1,2)S	Compatible Accessories	HIC1006-015B2(1,2)S
Infrared (IR) Receiver Kit	C1IRK01	Air Outlet Shuttler Plate	PIS-56LS
Grille for Front Discharge	DG-56SW1	Relay and 3-Pin Connector Kit	PSC-5RA
3-Pin Connector Cable	PCC-1A	Motion Sensor Kit (for 1-Way Cassette)	SOR-NES
Connector Cable for Auxiliary Heater	PCC-CN8-H	Remote Sensor (Control)	THM-R2A
Duct Adapter	PD-100		

INDOOR UNITS

- 2-WAY CASSETTE (NON-DUCTED)

With a sound level down to 33 dB(A), this unit is among the quietest on the market. Individual louver control with auto-swing or fixed air exhaust angles brings conditioned comfort to a variety of room layouts.



Capacities 18,000 to 24,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- Nominal capacity of 18 or 24 MBH
- Compact design - requires only 11-3/4" height
- Energy-efficient DC fan motor
- Standard integrated condensate DC drain pump with 33-7/16 inch lift height
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling
- Sensor enables remote reading of air supply temperature
- Optional energy-saving motion and radiant heat sensor for optimized airflow and temperature control in response to room occupancy
- Optional air filter box

Tonnage				1.5		2.0	
2-Way Cassette Indoor Unit Model #				HIC2018B21S		HIC2024B21S	
Power Supply				AC 1 Phase, 208/230V, 60Hz			
Nominal Cooling Capacity ¹		Btu/h (kW)	18,000	(5.3)	24,000	(7.0)	
Nominal Heating Capacity ¹		Btu/h (kW)	20,000	(5.9)	27,000	(7.9)	
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	42-39-36-33		46-43-39-34		
Outer Dimensions	Height	in. (mm)	11-3/4	(298)	11-3/4	(298)	
	Width	in. (mm)	33-7/8	(860)	33-7/8	(860)	
	Depth	in. (mm)	24-13/16	(630)	24-13/16	(630)	
Net Weight		lbs. (kg)	55.1	(25)	55.1	(25)	
Refrigerant				R410A			
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	653-582-512-441		777-688-582-459		
		(m3/min)	(18.5-16.5-14.5-12.5)		(22-19.5-16.5-13)		
Motor Nominal Output		W	57		57		
Connections							
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)				
	Liquid Line	in. (mm)	3/8	(9.52)	3/8	(9.52)	
	Gas Line	in. (mm)	5/8	(15.88)	5/8	(15.88)	
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	
Adaptable Panel Model			P-AP90DNA				
Color			Neutral White				
Outer Dimensions	Height	in. (mm)	1-3/16		(30)		
	Width	in. (mm)	43-5/16		(1,100)		
	Depth	in. (mm)	27-15/16		(710)		
Net Weight		in. (mm)	16.5		(7.5)		

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

2-Way Cassette	
Compatibility Accessories	HIC2018-024B21S
Filter Box	B-90HD
IR Receiver Kit	C2IRK01
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H
Duct Adapter	PD-150D
Relay and 3-Pin Connector Kit	PSC-5RA
Motion Sensor Kit (for 2-Way Cassette)	SOR-NED
Remote Sensor (Control)	THM-R2A

INDOOR UNITS

4-WAY MINI CASSETTE (NON-DUCTED)

Mini-cassette indoor units are designed to meet a variety of building requirements in energy-efficient, quiet packages. Compact size enables installation in tight spaces.



Capacities 8,000 to 18,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- High-performance and high-efficiency heat exchanger
- Efficient turbo fan for low-noise performance
- Wide range of air flow settings
- Motorized 2-, 3- or 4-channel air flow louvers with louver kit
- Auxiliary/emergency heater control
- Cooling and heating auto-changeover dual-setpoint control
- Setback temperature control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.
- Optional energy-saving motion and radiant heat sensor for optimized airflow and temperature control in response to room occupancy.

Tonnage				0.7		1.0		1.3		1.5	
4-Way Mini-Cassette Indoor Unit Model #				HICM008B21S		HICM012B21S		HICM015B21S		HICM018B21S	
Power Supply				AC 1Phase, 208/230V, 60Hz							
Nominal Cooling Capacity ¹		Btu / h	(kW)	8,000	(2.3)	12,000	(3.5)	15,000	(4.4)	18,000	(5.3)
Nominal Heating Capacity ¹		Btu / h	(kW)	9,000	(2.6)	13,500	(4.0)	17,000	(5.0)	20,000	(5.9)
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB		38-34-30-24.5		41-37-33-27.5		45-39-35-31		47-43-39-35	
Outer Dimensions	Height	in.	(mm)	11-1/4	(285)	11-1/4	(285)	11-1/4	(285)	11-1/4	(285)
	Width	in.	(mm)	22-7/16	(570)	22-7/16	(570)	22-7/16	(570)	22-7/16	(570)
	Depth	in.	(mm)	22-7/16	(570)	22-7/16	(570)	22-7/16	(570)	22-7/16	(570)
Net Weight		lbs.	(kg)	35	(16)	35	(16)	37	(17)	37	(17)
Refrigerant				R410A							
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm		424-353-300-212		459-388-335-247		530-424-353-282		565-494-424-353	
		(m³/min)		(12-10-8.5-6)		(13-11-9.5-7)		(15-12-10-8)		(16-14-12-10)	
Motor Nominal Output		W		57		57		57		57	
Connections											
Refrigerant Piping				Flare-Nut Connection (with Flare Nuts)							
	Liquid Line	in.	(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	3/8	(9.52)
	Gas Line	in.	(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	5/8	(15.88)
Condensate Drain	OU	in.	(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)
Adaptable Panel Model				P-AP56NAM							
Color				Neutral White							
Outer Dimensions	Height	in.	(mm)	1-3/16				(30)			
	Width	in.	(mm)	24-13/32				(620)			
	Depth	in.	(mm)	24-13/32				(620)			
Net Weight		lbs.	(kg)	6				(3)			

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.

2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

4-Way Mini Cassette	
Compatible Accessories	HICM008-018B21S
IR Receiver Kit	CMIRK01
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H
Duct Adaptor	PD-75C
Relay and 3-Pin Connector Kit	PSC-5RA
Motion Sensor Kit (for Mini 4-Way Cassette)	SOR-NEC
Remote Sensor (Control)	THM-R2A

INDOOR UNITS

4-WAY CASSETTE (NON-DUCTED)

Ceiling-mounted 4-way cassettes measuring 33 x 33 inch (84 x 84 cm) are offered with standard decorative panels. Compact, thin and lightweight, they are easy to install even in tight spaces.



Capacities: 8,000 to 48,000 Btu/hr



4-way cassette IDU is compatible with silent-iconic panel



Tonnage			0.7		1.0		1.3		1.5		
4-Way Cassette Indoor Unit Model #			HIC4008B21S		HIC4012B21S		HIC4015B21S		HIC4018B21S		
Power Supply			AC 1Phase, 208/230V, 60Hz								
Nominal Cooling Capacity ¹		Btu/h	8,000		12,000		15,000		18,000		
		(kW)	(2.3)		(3.5)		(4.4)		(5.3)		
Nominal Heating Capacity ¹		Btu/h	9,000		13,500		17,000		20,000		
		(kW)	(2.6)		(4.0)		(5.0)		(5.8)		
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	33-30-28-27		35-31-30-27		37-32-30-27		42-36-32-28		
Outer Dimensions	Height	in. (mm)	9-3/4	(248)	9-3/4	(248)	9-3/4	(248)	9-3/4	(248)	
	Width	in. (mm)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	
	Depth	in. (mm)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	
Net Weight		lbs. (kg)	44	(20)	46	(21)	46	(21)	48	(22)	
Refrigerant			R410A								
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	530-459-388-318		741-600-494-388		777-600-494-388		953-777-635-494		
		(m³/min)	(15-13-11-9)		(21-17-14-11)		(22-17-14-11)		(27-22-18-14)		
Motor Nominal Output		W	57		57		57		57		
Connections											
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)								
	Liquid Line	in.(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	3/8	(9.52)	
	Gas Line	in.(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	5/8	(15.88)	
Condensate Drain	OU	in.(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.

2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

4-Way Cassette

Compatible Accessories	HIC4008-48B21S
Filter Box	B-160H3
IR Receiver Kit	C4IRK01
Fresh Air Intake Kit (for 4-Way Cassette)	OACI-160K3
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H
Duct Adapter	PD-75A
Air Outlet Shutter Plate	PI-160LS2
Relay and 3-Pin Connector Kit	PSC-5RA
Remote Sensor (Control)	THM-R2A
T-Tube Connecting Kit	TKCI-160K

INDOOR UNITS

4-WAY CASSETTE (NON-DUCTED) (CONTINUED)




Key Features

- Multiple fan speed settings
- Air filter included
- Four air volume settings including Ultra Hi for higher ceilings
- 4-way airflow standard but can be configured for 2-way or 3-way
- Integrated condensate pumps in all units
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.
- Sensor enables remote reading of air supply temperature
- Motorized 2-, 3- or 4-channel air flow louvers with louver kit
- Optional energy-saving motion and radiant heat sensor for optimized airflow and temperature control in response to room occupancy
- Optional fresh air kit available

Tonnage			2.0			2.5		3.0		4.0	
4-Way Cassette Indoor Unit Model #			HIC4024B21S			HIC4030B21S		HIC4036B21S		HIC4048B21S	
Power Supply			AC 1Phase, 208/230V, 60Hz								
Nominal Cooling Capacity ¹		Btu/h	24,000		30,000		36,000		48,000		
		(kW)	(7.0)		(8.8)		(10.5)		(14.1)		
Nominal Heating Capacity ¹		Btu/h	27,000		34,000		40,000		54,000		
		(kW)	(7.9)		(10.0)		(11.7)		(15.8)		
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	42-36-32-28		48-43-39-33		48-45-40-35		48-46-41-37		
Outer Dimensions	Height	in. (mm)	11-3/4	(298)	11-3/4	(298)	11-3/4	(298)	11-3/4	(298)	
	Width	in. (mm)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	
	Depth	in. (mm)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	33-1/16	(840)	
Net Weight		lbs. (kg)	57	(26)	57	(26)	57	(26)	57	(26)	
Refrigerant			R410A								
Indoor Fan	Airflow Rate	cfm	953-812-635-494		1306-1094-847-706		1306-1165-918-741		1306-1236-988-777		
	(Hi2-Hi-Me-Lo)	(m³/min)	(27-23-18-14)		(37-31-24-20)		(37-33-26-21)		(37-35-28-22)		
Motor Nominal Output		W	57		127		127		127		
Connections											
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)								
	Liquid Line	in.(mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	
	Gas Line	in.(mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	
Condensate Drain	OU	in.(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Adaptable Panel Model			Standard		Silent-Iconic
(applies to all models)			P-AP160NA2 (without Motion and Radiant Heat Sensors)	P-AP160NAE1 (with Motion and Radiant Heat Sensors)	P-GP160NAP
					
Color			Neutral White		
Outer Dimensions	Height	in.(mm)	1-9/16 (40)		2-1/16 (52)
	Width	in.(mm)	37-3/8 (950)		37-3/8 (950)
	Depth	in.(mm)	37-3/8 (950)		37-3/8 (950)
Net Weight		lbs(kg)	14 (6.5)		19 (8.5)

INDOOR UNITS

CEILING SUSPENDED (NON-DUCTED)

Ceiling Suspended indoor units have a stylized design and color that make them among the most elegant units on the market. Units are equipped with an automatic swing louver to ensure even air distribution.



Capacities 15,000 to 36,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- New fan design for high efficiency and low noise
- Flexible installation for high ceilings
- Cooling and heating auto-changeover dual-setpoint control
- Setback temperature control
- Auxiliary/emergency heater control
- Sensor enables remote reading of air supply temperature
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.
- Optional energy-saving motion and radiant heat sensor for optimized airflow and temperature control in response to room occupancy

Tonnage				1.3		2.0		2.5		3.0	
Ceiling Suspended Indoor Unit Model #				HICS015B2(1,2)S		HICS024B2(1,2)S		HICS030B2(1,2)S		HICS036B2(1,2)S	
Power Supply				AC 1Phase, 208/230V, 60Hz							
Nominal Cooling Capacity ¹		Btu / h	(kW)	15,000	(4.4)	24,000	(7.0)	30,,000	(8.8)	36,000	(10.5)
Nominal Heating Capacity ¹		Btu / h	(kW)	17,000	(5.0)	27,000	(7.9)	34,000	(10.0)	40,000	(11.7)
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB		38-35-31-28		43-40-36-31		44-42-37-32		48-45-41-35	
Outer Dimensions	Height	in.	(mm)	9-1/4	(235)	9-1/4	(235)	9-1/4	(235)	9-1/4	(235)
	Width	in.	(mm)	37-13/16	(960)	50	(1270)	62-3/16	(1580)	62-3/16	(1580)
	Depth	in.	(mm)	27-3/16	(690)	27-3/16	(690)	27-3/16	(690)	27-3/16	(690)
Net Weight		lbs.	(kg)	59	(27)	77	(35)	90	(41)	90	(41)
Refrigerant				R410A							
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm		530-459-388-318		847-741-635-512		1059-935-777-600		1236-1094-900-706	
		(m3/min)		(15-13-11-9)		(24-21-18-14.5)		(30-26.5-22-17)		(35-31-25.5-20)	
Motor Nominal Output		W		50		80		160		160	
Connections											
Refrigerant Piping				Flare-Nut Connection (with Flare Nuts)							
	Liquid Line	in. (mm)		1/4	(6.35)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)
	Gas Line	in. (mm)		1/2	(12.70)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
Condensate Drain	OU	in. (mm)		1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Ceiling Suspended

Compatible Accessories	HICS015B2(1,2)S	HICS024B2(1,2)S	HICS030-036B2(1,2)S
Filter Box	B-56MP	B-90MP	B-160MP
IR Receiver Kit	CSIRK01	CSIRK01	CSIRK01
Condensate Pump Kit	DUPC-63K1	DUPC-160K1	DUPC-160K1
3-Pin Connector Cable	PCC-1A	PCC-1A	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H	PCC-CN8-H	PCC-CN8-H
Duct Adapter	PD-100	PD-100	PD-100
Relay and 3-Pin Connector Kit	PSC-5RA	PSC-5RA	PSC-5RA
Motion Sensor Kit (for Ceiling Suspended)	SOR-NEP	SOR-NEP	SOR-NEP
Remote Sensor (Control)	THM-R2A	THM-R2A	THM-R2A

INDOOR UNITS

WALL MOUNT (NON-DUCTED)



Capacities: 6,000 to 30,000 Btu/hr

Wall Mount indoor units include wide-angle louvers that distribute airflow comfortably. An auto-swing function ensures efficient air distribution and uniform temperature throughout the conditioned space. Condensate piping can be connected at the right, left or rear of the unit for ease of installation.



Tonnage			0.5		0.7		1.0		1.3				
Wall Mount Indoor Unit Model #			TIWM006B2(1,2)S		TIWM008B2(1,2)S		TIWM012B2(1,2)S		TIWM015B21S		TIWM015B22S		
Power Supply			AC 1Phase, 208/230V, 60Hz										
Nominal Cooling Capacity ¹	Btu/h		6,000		8,000		12,000		15,000				
	(kW)		(1.8)		(2.3)		(3.5)		(4.4)				
Nominal Heating Capacity ¹	Btu/h		6,700		9,000		13,500		17,000				
	(kW)		(2.0)		(2.6)		(4.0)		(5.0)				
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	39-35-32-30		39-35-32-30		46-40-36-33		42-40-38-33		40-37-34-31		
Outer Dimensions	Height	in.(mm)	11-13/16	(300)	11-13/16	(300)	11-13/16	(300)	13-1/8	(333)	11-13/16	(300)	
	Width	in.(mm)	31-1/8	(790)	31-1/8	(790)	35-7/16	(900)	45-1/4	(1150)	43-5/16	(1100)	
	Depth	in.(mm)	9-1/16	(230)	9-1/16	(230)	9-1/16	(230)	9-5/8	(245)	10-1/4	(260)	
Net Weight		lbs.(kg)	22	(10)	22	(10)	24	(11)	35	(16)	32	(15)	
Refrigerant			R410A										
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	353-282-247-229		353-282-247-229		494-388-318-265		530-494-459-353		512-459-388-335		
		(m³/min)	(10-8-7-6.5)		(10-8-7-6.5)		(14-11-9-7.5)		(15-14-13-10)		(14.5-13-11-9.5)		
Motor Nominal Output		W	38		38		38		38				
Connections													
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)										
	Liquid Line	in.(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	
	Gas Line	in.(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	
Condensate Drain	OU	in.(mm)	7/8	(22)	7/8	(22)	7/8	(22)	7/8	(22)	7/8	(22)	
	IU	in.(mm)	5/8	(16)	5/8	(16)	5/8	(16)	5/8	(16)	5/8	(16)	

INDOOR UNITS

WALL MOUNT (NON-DUCTED) (CONTINUED)

Key Features

- Removable front panel for easy cleaning.
- Built-in wireless sensor for use with optional wireless zone controller.
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.
- Sensor enables remote reading of air supply temperature
- Optional condensate pump

Tonnage			1.5				2.0				2.5				
Wall Mount Indoor Unit Model #			TIWM018B21S		TIWM018B22S		TIWM024B21S		TIWM024B22S		TIWM030B21S		TIWM030B22S		
Power Supply			AC 1Phase, 208/230V, 60Hz												
Nominal Cooling Capacity ¹	Btu/h	18,000					24,000					30,000			
	(kW)	(5.3)					(7.0)					(8.8)			
Nominal Heating Capacity ¹	Btu/h	20,000					27,000					34,000			
	(kW)	(5.8)					(7.9)					(10.0)			
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	49-43-40-36		45-42-38-35		51-49-46-41		49-46-42-38		51-49-46-41		51-48-44-39		
Outer Dimensions	Height	in.(mm)	13-1/8	(333)	11-13/16	(300)	13-1/8	(333)	11-13/16	(300)	13-1/8	(333)	11-13/16	(300)	
	Width	in.(mm)	45-1/4	(1150)	43-5/16	(1100)	45-1/4	(1150)	43-5/16	(1100)	45-1/4	(1150)	43-5/16	(1100)	
	Depth	in.(mm)	9-5/8	(245)	10-1/4	(260)	9-5/8	(245)	10-1/4	(260)	9-5/8	(245)	10-1/4	(260)	
Net Weight		lbs.(kg)	37	(17)	33	(15)	37	(17)	33	(15)	37	(17)	33	(15)	
Refrigerant			R410A												
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	671-600-494-424		653-582-494-423		777-671-600-530		759-670-582-494		777-671-600-530		812-706-618-512		
		(m³/min)	(19-17-14-12)		(18.5-16.5-14-12)		(22-19-17-15)		(21.5-19-16.5-14)		(22-19-17-15)		(23-20-17.5-14.5)		
Motor Nominal Output		W	38				38				38				
Connections															
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)												
	Liquid Line	in.(mm)	3/8 (9.52)				3/8 (9.52)				3/8 (9.52)				
	Gas Line	in.(mm)	5/8 (15.88)				5/8 (15.88)				5/8 (15.88)				
Condensate Drain	OU	in.(mm)	7/8 (22)				7/8 (22)				7/8 (22)				
	IU	in.(mm)	5/8 (16)				5/8 (16)				5/8 (16)				

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- The sound pressure level is based on the following conditions: 3.3ft (1m) Front of the Unit and 3.3ft (1m) Below the Unit. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Wall Mount Indoor Unit		
Compatible Accessories	TIWM006-015B2(1,2)S	TIWM018-030B2(1,2)S
Infrared (IR) Receiver Kit	CWDIRK01	CWDIRK01
Strainer Kit	MSF-NP63A	MSF-NP112A
3-Pin Connector Cable	PCC-1A	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H	PCC-CN8-H
Relay and 3-Pin Connector Kit	PSC-5RA	PSC-5RA
Remote Sensor (Control)	THM-R2A	THM-R2A
Condensate Drain Pump	DPWM-83819	DPWM-83819

INDOOR UNITS

FLOOR EXPOSED (NON-DUCTED)

Floor Exposed indoor units have a slim-line design compatible with the style of the room.



Capacities 6,000 to 15,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- 8.7-inch (220 mm) depth preserves room space
- 24.8-inch height leaves ample window space
- Ideal for perimeter zone air conditioning
- Setback temperature control
- Sensor enables remote reading of air supply temperature
- Auxiliary/emergency heater control
- Cooling and heating auto-changeover dual-setpoint control

Tonnage				0.5		0.7		1.0		1.3	
Floor Exposed Indoor Unit Model #				HIFE006B21S		HIFE008B21S		HIFE012B21S		HIFE015B21S	
Indoor Unit Power Supply				AC 1Phase, 208/230V, 60Hz							
Nominal Cooling Capacity ¹		Btu / h	(kW)	6,000	(1.8)	8,000	(2.3)	12,000	(3.5)	15,000	(4.4)
Nominal Heating Capacity ¹		Btu / h	(kW)	6,700	(2.0)	9,000	(2.6)	13,500	(4.0)	17,000	(5.0)
Sound Pressure Level ² (Overall A Scale) (Hi-Me-Lo)		dB		39-33-29		39-33-29		43-35-32		48-43-36	
Outer Dimensions	Height	in.	(mm)	24-13/16	(630)	24-13/16	(630)	24-13/16	(630)	24-13/16	(630)
	Width	in.	(mm)	41-1/8	(1045)	41-1/8	(1045)	46-1/16	(1170)	55-7/8	(1420)
	Depth	in.	(mm)	8-11/16	(220)	8-11/16	(220)	8-11/16	(220)	8-11/16	(220)
Net Weight		lbs.	(kg)	61	(28)	61	(28)	68	(31)	79	(36)
Refrigerant				R410A							
Indoor Fan	Airflow Rate (Hi-Me-Lo)	cfm		300-247-212		300-247-212		424-353-318		565-494-388	
		(m3 /min)		(8.5-7-6)		(8.5-7-6)		(12-10-9)		(16-14-11)	
Motor Nominal Output		W		20		20		28		45	
Connections											
Refrigerant Piping				Flare-Nut Connection (with Flare Nuts)							
	Liquid Line	in.	(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)
	Gas Line	in.	(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)
Condensate Drain	OU	in.	(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the units. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Floor Exposed

Compatible Accessories	HIFE006-015B21S
Infrared (IR) Receiver Kit	CWDIRK01
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN1925-H
Relay and 3-Pin Connector Kit	PSC-5RA
Remote Sensor (Control)	THM-R2A

INDOOR - DUCTED HIGH STATIC

These indoor units now feature higher static pressure:
Up to 0.8" for 1.3 - 4.5 ton units and up to 1.16" for 6
and 8 ton units.



Capacities: 15,000 to 96,000 Btu/hr



Tonnage			1.3		1.5		2.0		2.3		2.5		
Ducted High Static Indoor Unit Model #			HIDH015B2(2,3)S		HIDH018B2(2,3)S		HIDH024B2(2,3)S		HIDH027B2(2,3)S		HIDH030B2(2,3)S		
Power Supply			AC 1 Phase, 208/230V, 60Hz										
Nominal Cooling Capacity ¹		Btu/h	15,000		18,000		24,000		27,000		30,000		
		(kW)	(4.4)		(5.3)		(7.1)		(8.0)		(8.8)		
Nominal Heating Capacity ¹		Btu/h	17,000		20,000		27,000		30,000		34,000		
		(kW)	(5.0)		(5.9)		(8.0)		(8.8)		(10.0)		
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	41-38-35-32		37-35-32-30		40-37-34-32		40-37-34-32		40-37-34-32		
Outer Dimensions	Height	in.(mm)	11-13/16	(300)	11-13/16	(300)	11-13/16	(300)	11-13/16	(300)	11-13/16	(300)	
	Width	in.(mm)	27-9/16	(700)	41-5/16	(1050)	41-5/16	(1050)	41-5/16	(1050)	55-1/8	(1400)	
	Depth	in.(mm)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	
Net Weight		lbs.(kg)	64	(29)	84	(38)	84	(38)	84	(38)	106	(48)	
Refrigerant			R410A										
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	512-459-388-335		653-582-512-424		759-671-582-494		759-671-582-494		1059-935-812-706		
		(m3/min)	(14.5-13-11-9.5)		(18.5-16.5-14.5-12)		(21.5-19-16.5-14)		(21.5-19-16.5-14)		(30-26.5-23-20)		
External Pressure ³ Std (High1 - High2)	in. W.G.		0.2 (0.4-0.8)		0.2 (0.4-0.8)		0.2 (0.4-0.8)		0.2 (0.4-0.8)		0.2 (0.4-0.8)		
		(Pa)	(50 (100-200))		(50 (100-200))		(50 (100-200))		(50 (100-200))		(50 (100-200))		
Motor Nominal Output		W	157		190		190		259				
Connections													
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)										
	Liquid Line	in.(mm)	1/4	(6.35)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	
	Gas Line	in.(mm)	1/2	(12.7)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	

Ducted High Static				
Compatible Accessories	HIDH015B2(2,3)S	HIDH018-027B2(2,3)S	HIDH030-054B2(2,3)S	HIDH072-096B21S
Filter Box for Long-Life Filter	B-56LI	B-90LI	B-160LI	—
Infrared (IR) Receiver Kit	CWDIRK01	CWDIRK01	CWDIRK01	CWDIRK01
Long-Life Filter	F-56LI	F-90LI	F-160LI	—
3-Pin Connector Cable	PCC-1A	PCC-1A	PCC-1A	PCC-1A
Connector Cable for Auxiliary Heater	PCC-6A	PCC-6A	PCC-6A	PCC-CN1925-H
Relay and 3-Pin Connector Kit	PSC-5RA	PSC-5RA	PSC-5RA	PSC-5RA
Motion Sensor Kit (for Ducted Indoor Units)	SOR-NEZ	SOR-NEZ	SOR-NEZ	—
Seismic Suspension Bracket	—	—	—	SSB-IDH01
Remote Sensor (Control)	THM-R2A	THM-R2A	THM-R2A	THM-R2A

INDOOR UNITS

DUCTED HIGH STATIC (CONTINUED)

Key Features

- High-efficiency AC fan motor
- Multiple fan speed settings
- Access from underneath for easy service
- Built-in condensate pump
- Auxiliary/emergency heater control
- Sensor enables remote reading of air supply temperature
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.



Capacities: 15,000 to 96,000 Btu/hr

Tonnage			3.0		4.0		4.5		6.0		8.0	
Ducted High Static Indoor Unit Model #			HIDH036B2(2,3)S		HIDH048B2(2,3)S		HIDH054B2(2,3)S		HIDH072B21S		HIDH096B21S	
Power Supply			AC 1 Phase, 208/230V, 60Hz									
Nominal Cooling Capacity ¹	Btu/h		36,000		48,000		54,000		72,000		96,000	
	(kW)		(10.6)		(14.1)		(15.8)		(21.1)		(28.2)	
Nominal Heating Capacity ¹	Btu/h		40,000		54,000		60,000		81,000		108,000	
	(kW)		(11.8)		(15.8)		(17.6)		(23.8)		(31.7)	
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo) [(Hi-Lo) (208/230V) for 6.0, 8.0 Ton]		dB	42-39-36-33		44-40-37-34		44-40-37-34		47-43/50-47		51-46/54-50	
Outer Dimensions	Height	in.(mm)	11-13/16	(300)	11-13/16	(300)	11-13/16	(300)	18-3/8	(466)	18-3/8	(466)
	Width	in.(mm)	55-1/8	(1400)	55-1/8	(1400)	55-1/8	(1400)	49-3/16	(1250)	49-3/16	(1250)
	Depth	in.(mm)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	44-1/8	(1120)	44-1/8	(1120)
Net Weight	lbs.(kg)		106	(48)	106	(48)	106	(48)	258	(117)	258	(117)
Refrigerant			R410A									
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	1183-1041-918-777		1271-1112-971-847		1271-1112-971-847		2047-1765		2542-2189	
		(m3/min)	(33.5-29.5-26-22)		(36-31.5-27.5-24)		(36-31.5-27.5-24)		(58.0-50.0)		(72.0-62.0)	
External Pressure ³ Std (High1-High2) [(Std (High)) (208/230V) for 6.0, 8.0 Ton]	in. W.G.		0.2 (0.4-0.8)		0.2 (0.4-0.8)		0.2 (0.4-0.8)		0.28/0.64 (0.88/1.16)		0.32/0.64 (0.88/1.16)	
	(Pa)		(50 (100-200))		(50 (100-200))		(50 (100-200))		(70/160 (220/290))		(80/160 (220/240))	
Motor Nominal Output	W		259		259		259		840 (420x2pcs)		1240 (620x2pcs)	
Connections												
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)						Brazed		Brazed	
	Liquid Line	in.(mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)
	Gas Line	in.(mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	3/4	(19.05)	7/8	(22.20)
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. The sound pressure level is based on the following conditions:
4.9 ft. (1.5m) beneath the unit. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure 3 indicates Standard Pressure Setting (High Pressure Setting 1 - High Pressure Setting 2) values when a filter is not used. The sound pressure level is based on the Standard Pressure Setting.

INDOOR UNITS

DUCTED MEDIUM STATIC

These indoor units feature higher static pressure: up to 0.6” for Medium Static Indoor Units.



Capacities: 6,000 to 54,000 Btu/hr



Tonnage			0.5		0.7		1.0		1.3		1.5	
Ducted Medium Static Indoor Unit Model #			HIDM006B2(2,3)S		HIDM008B2(2,3)S		HIDM012B2(2,3)S		HIDM015B2(2,3)S		HIDM018B2(2,3)S	
Power Supply			AC 1 Phase, 208/230V, 60Hz									
Nominal Cooling Capacity ¹		Btu/h	6,000		8,000		12,000		15,000		18,000	
		(kW)	(1.8)		(2.4)		(3.6)		(4.4)		(5.3)	
Nominal Heating Capacity ¹		Btu/h	6,700		9,000		13,500		17,000		20,000	
		(kW)	(2.0)		(2.7)		(4.0)		(5.0)		(5.9)	
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	32-30-28-27		33-31-29-28		38-35-32-30		40-37-34-31		37-35-33-31	
Outer Dimensions	Height	in. (mm)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)
	Width	in. (mm)	27-9/16	(700)	27-9/16	(700)	27-9/16	(700)	27-9/16	(700)	41-5/16	(1050)
	Depth	in. (mm)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)
Net Weight		lbs. (kg)	57	(26)	57	(26)	60	(27)	60	(27)	79	(36)
Refrigerant			R410A									
Indoor Fan		Airflow Rate (Hi2-Hi-Me-Lo)	cfm (m3/min)	300-265-229-194 (8.5-7.5-6.5-5.5)	335-300-265-229 (9.5-8.5-7.5-6.5)	459-406-353-300 (13-11.5-10-8.5)	512-459-388-335 (14.5-13-11-9.5)	653-582-494-424 (18.5-16.5-14-12)				
External Pressure ³ Std (High1-High2)		in. W.G.	0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)	
		(Pa)	(50 (100-150))		(50 (100-150))		(50 (100-150))		(50 (100-150))		(50 (100-150))	
Motor Nominal Output		W	157		157		157		157		190	
Connections			Flare-Nut Connection (with Flare Nuts)									
Refrigerant Piping												
	Liquid Line	in. (mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	3/8	(9.52)
	Gas Line	in. (mm)	1/2	(12.7)	1/2	(12.7)	1/2	(12.7)	1/2	(12.7)	5/8	(15.88)
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

Ducted Medium Static			
Compatible Accessories	HIDM006-015B2(2,3)S	HIDM018-027B2(2,3)S	HIDM030-054B2(2,3)S
Filter Box for Long-Life Filter	B-56LI	B-90LI	B-160LI
Infrared (IR) Receiver Kit	CWDIRK01	CWDIRK01	CWDIRK01
Long-Life Filter	F-56LI	F-90LI	F-160LI
3-Pin Connector Cable	PCC-1A	PCC-1A	PCC-1A
Connector Cable for Auxiliary Heater	PCC-6A	PCC-6A	PCC-6A
Relay and 3-Pin Connector Kit	PSC-5RA	PSC-5RA	PSC-5RA
Motion Sensor Kit (for Ducted Indoor Units)	SOR-NEZ	SOR-NEZ	SOR-NEZ
Remote Sensor (Control)	THM-R2A	THM-R2A	THM-R2A

INDOOR UNITS

DUCTED MEDIUM STATIC (CONTINUED)

Key Features

- High-efficiency DC fan motor
- Multiple fan speed settings
- Up to 0.6 in. WG static pressure
- Access from underneath for easy service and troubleshooting
- Built-in condensate pump
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- GentleCool feature enables discharge air temperature to be set, eliminating the rush of cold air that can occur when air conditioning first comes on for more comfortable cooling.

Tonnage			2.0		2.3		2.5		3.0		4.0		4.5	
Ducted Medium Static Indoor Unit Model #			HIDM024B2(2,3)S		HIDM027B2(2,3)S		HIDM030B2(2,3)S		HIDM036B2(2,3)S		HIDM048B2(2,3)S		HIDM054B2(2,3)S	
Power Supply			AC 1 Phase, 208/230V, 60Hz											
Nominal Cooling Capacity ¹	Btu/h		24,000		27,000		30,000		36,000		48,000		54,000	
	(kW)		(7.1)		(8.0)		(8.8)		(10.6)		(14.1)		(15.8)	
Nominal Heating Capacity ¹	Btu/h		27,000		30,000		34,000		40,000		54,000		60,000	
	(kW)		(8.0)		(8.8)		(10.0)		(11.8)		(15.8)		(17.6)	
Sound Pressure Level ² (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	39-37-34-32		39-37-34-32		40-38-35-32		42-39-36-34		43-40-37-34		43-40-37-34	
Outer Dimensions	Height	in.(mm)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)	9-13/16	(250)
	Width	in.(mm)	41-5/16	(1050)	41-5/16	(1050)	55-1/8	(1400)	55-1/8	(1400)	55-1/8	(1400)	55-1/8	(1400)
	Depth	in.(mm)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)	31-1/2	(800)
Net Weight		lbs.(kg)	79	(36)	79	(36)	97	(44)	97	(44)	97	(44)	97	(44)
Refrigerant			R410A											
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	759-671-582-494		759-671-582-494		1059-935-812-706		1183-1041-918-777		1271-1112-971-847		1271-1112-971-847	
		(m3/min)	(21.5-19-16.5-14)		(21.5-19-16.5-14)		(30-26.5-23-20)		(33.5-29.5-26-22)		(36-31.5-27.5-24)		(36-31.5-27.5-24)	
External Pressure ³ Std (High1-High2)	in. W.G.	0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		0.2 (0.4-0.6)		
	(Pa)	(50 (100-150))		(50 (100-150))		(50 (100-150))		(50 (100-150))		(50 (100-150))		(50 (100-150))		
Motor Nominal Output		W	190		190		259		259		259		259	
Connections														
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)											
	Liquid Line	in.(mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)
	Gas Line	in.(mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. The sound pressure level is based on the following conditions: 4.9 ft. (1.5m) beneath the unit. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure 3 indicates Standard Pressure Setting (High Pressure Setting 1 - High Pressure Setting 2) values when a filter is not used. The sound pressure level is based on the Standard Pressure Setting.

INDOOR UNITS - DUCTED SLIM



Capacities: 6,000 to 18,000 Btu/hr

Controller Options



MODEL CIR01



MODEL CIS01



MODEL CIW02-H

Key Features

- High-efficiency DC fan motor
- Multiple fan speed settings
- Up to .20 in. WG static pressure
- Access from underneath for easy service and troubleshooting
- Built-in condensate pump
- Setback temperature control
- Auxiliary/emergency heater control
- Cooling and heating auto-changeover dual-setpoint control
- Sensor enables remote reading of air supply temperature

Tonnage			0.5		0.7		1.0		1.3		1.5	
Ducted Slim Indoor Unit Model #			HIDS006B21S		HIDS008B21S		HIDS012B21S		HIDS015B21S		HIDS018B21S	
Power Supply			AC 1 Phase, 208/230V, 60Hz									
Nominal Cooling Capacity ¹		Btu/h	6,000		8,000		12,000		15,000		18,000	
		(kW)	(1.8)		(2.3)		(3.5)		(4.4)		(5.3)	
Nominal Heating Capacity ¹		Btu/h	6,700		9,000		13,500		17,000		20,000	
		(kW)	(2.0)		(2.6)		(4.0)		(5.0)		(5.9)	
Sound Pressure Level (Overall A Scale) (Hi2-Hi-Me-Lo)		dB	32-30-29-27		32-30-29-27		34-33.5-33-32		36-35-33-32		40-38-36-34	
Outer Dimensions	Height	in.(mm)	7-9/16	(192)	7-9/16	(192)	7-9/16	(192)	7-9/16	(192)	7-9/16	(192)
	Width	in.(mm)	35-3/4	(908)	35-3/4	(908)	35-3/4	(908)	46-3/8	(1178)	46-3/8	(1178)
	Depth	in.(mm)	17-19/32	(447)	17-19/32	(447)	17-19/32	(447)	17-19/32	(447)	17-19/32	(447)
Net Weight		lbs.(kg)	44	(20)	44	(20)	46	(21)	57	(26)	57	(26)
Refrigerant			R410A									
Indoor Fan	Airflow Rate (Hi2-Hi-Me-Lo)	cfm	318-289-244-205		318-289-244-205		346-318-300-268		512-477-441-381		582-530-494-424	
		(m3/min)	(9-8-7-6)		(9-8-7-6)		(10-9-9-8)		(15-14-13-11)		(17-15-14-12)	
External Pressure ² Std (High-Low)		in. W.G.	0.04 (0.12-0.00)		0.04 (0.12-0.00)		0.04 (0.12-0.00)		0.04 (0.20-0.00)		0.04 (0.20-0.00)	
		(Pa)	(10 (30-0))		(10 (30-0))		(10 (30-0))		(10 (50-0))		(10 (50-0))	
Motor Nominal Output		W	40		40		40		60		60	
Connections												
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)									
	Liquid Line	in.(mm)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	1/4	(6.35)	3/8	(9.52)
	Gas Line	in.(mm)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	1/2	(12.70)	5/8	(15.88)
Condensate Drain	OU	in.(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)

NOTES:

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
2. Data values when a filter is not used.

Ducted Slim

Compatible Accessories	HIDS006-012B21S	HIDS015-018B21S
Infrared (IR) Receiver Kit	CWDIRK01	CWDIRK01
Air Filter	KW-PP5Q	KW-PP6Q
3-Pin Connector Cable	PCC-1A	PCC-1A
Connector Cable for Auxiliary Heater Control	PCC-CN8-H	PCC-CN8-H
Relay and 3-Pin Connector Kit	PSC-5RA	PSC-5RA
Remote Sensor (Control)	THM-R2A	THM-R2A

INDOOR UNITS

ECONOFRESH ECONOMIZER



The EconoFresh unit includes the Economizer Kit and a ducted Medium Static unit in a choice of three capacities: 30,000, 36,000 or 48,000 Btu/hr.



The exclusive EconoFresh unit is a combination of a ducted Medium Static unit paired with an Economizer Kit to provide up to 100% outside air/free cooling when conditions are favorable. Seamlessly integrating with VRF systems, the unit contributes to energy savings and improves air quality.

Key Features

- Excellent for applications with cooling demand during mid seasons and winter.
- Inputs for optional CO₂ and enthalpy sensors are available for control based on indoor air quality or temperature/humidity.
- Remote control setting of the outside air damper opening to ensure minimum outside airflow requirements are met.
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- Sensor enables remote reading of air supply temperature

Tonnage			2.5		3.0		4.0	
EconoFresh (Economizer Kit + a ducted Medium Static indoor unit) - Model #			HIDM030B21E		HIDM036B21E		HIDM048B21E	
Power Supply			AC 1 Phase, 208/230V, 60Hz					
Nominal Cooling Capacity *		Btu/h	30,000		36,000		48,000	
		(kW)	(8.8)		(10.5)		(14.1)	
Nominal Heating Capacity *		Btu/h	34,000		40,000		54,000	
		(kW)	(10.0)		(11.7)		(15.8)	
Sound Pressure Level (Overall A Scale) (Hi-Me-Lo)		dB	38-35-32		39-35-33		40-36-33	
Outer Dimensions	Height	in.(mm)	10-7/8	(275)	10-7/8	(275)	10-7/8	(275)
	Width	in.(mm)	58-1/16	(1474)	58-1/16	(1474)	58-1/16	(1474)
	Depth	in.(mm)	23-5/8	(600)	23-5/8	(600)	23-5/8	(600)
Net Weight		lbs.(kg)	106	(48)	106	(48)	106	(48)
Refrigerant			R410A					
Indoor Fan	Airflow Rate ² (Hi-Me-Lo)	cfm	1059-953-847		1236-1094-988		1271-1130-1024	
		(m3/min)	(30-27-24)		(35-31-28)		(36-32-29)	
External Pressure ² (High-Med-Low)	in. W.G.	0.17-0.12-0.10		0.16-0.11-0.10		0.12-0.10-0.08		
	(Pa)	(43-30-25)		(40-28-25)		(30-25-20)		
Motor Nominal Output		W	250		250		250	
Connections								
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)					
	Liquid Line	in.(mm)	3/8	(9.52)	3/8	(9.52)		(9.52)
	Gas Line	in.(mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
Condensate Drain	OU	in.(mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)
Adaptable EconoFresh Kit Model			EF-456NE					
	Height	in. (mm)	10 (254)					
	Width	in. (mm)	55-1/2 (1410)					
	Depth	in. (mm)	12-3/16 (270)					
	Net Weight	lbs. (kg)	28 (12.5)					

NOTES:

1. Nominal capacity condition is based on AHRI standard. See www.ahrinet.org for more information.
2. Data values when a filter is not used.

EcoFresh	
Compatible Accessories	HIDM030-048B21E
Infrared (IR) Receiver Kit	CWDIRK01
Air Filter	KW-PP456E
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H
Relay and 3-Pin Connector Kit	PSC-5RA
Remote Sensor (Control)	THM-R2A

INDOOR UNITS

MULTI-POSITION AIR HANDLER



Multi-Position Air Handler
Capacities: 18,000 to 60,000 Btu/hr

Fully field installed integrated DX-Kit.

Key Features

- **RC2** - Rigid Case Construction interior endoskeleton for structural support, flush side, and to lock in insulation.
- **Powder Painted** - G30 galvanized steel case provides a coated edge that resists corrosion and rust creep.
- **MaxAlloy™ Coil** - Long life aluminum coils built to deliver lasting performance, efficiency and reliability.
- **Quality Construction** - Structural components are made of aluminum or G90 galvanized steel to prevent corrosion.
- **Improved Insulation Design** - Single piece with no external screws to reduce thermal transmission paths to prevent sweating. Foil faced insulation for ease of cleaning.
- **Case Depth** - Models are 20.5" deep which enables easy access even in tight applications.
- **Thermoset Condensate Pan** - Positive slope for condensate to reduce potential for mold or contaminants.
- **Factory Sealed** - Achieves 2% or less total airflow leakage rate at duct leakage test conditions in positive and negative pressure for system airflow verification.
- **Enhanced Filter Rack** - All models have integrated internal filter racks provided for use with 1" thick standard size filters.
- **Electric Heat Kits** - Field installed electric heat kits are available for installation-friendly and easy service applications.
- **Blowers** - All models use direct-drive, multi-speed motors.
- **Fully connected** to the VRF system through the DX-Kit.
- **Sensor enables remote reading** of air supply temperature

INDOOR UNITS

MULTI-POSITION AIR HANDLER



Multi-Position Air Handler with DX-Kit												
Tonnage		1.5 Ton		2.0 Ton		2.5 Ton		3.0 Ton				
Model #		HMAHP18B21S		HMAHP24B21S		HMAHP30B21S		HMAHP36B21S		HMAHP36C21S		
Adaptable Air Handler Model #		AP18BX21		AP24BX21		AP30BX21		AP36BX21		AP36CX21		
Indoor Unit Power Supply				AC 1 Phase, 208/230V, 60Hz								
Nominal Cooling Capacity ¹		Btu/h	18,000		24,000		30,000		36,000		36,000	
		(kW)	(5.3)		(7.0)		(8.8)		(10.5)		(10.5)	
Nominal Heating Capacity ¹		Btu/h	20,000		27,000		34,000		40,000		40,000	
		(kW)	(5.9)		(7.9)		(10.0)		(11.7)		(11.7)	
Outer Dimensions	Height	in. (mm)	41	(1041)	41	(1041)	47-1/2	(1207)	47-1/2	(1207)	51-1/2	(1308)
	Width	in. (mm)	17-1/2	(445)	17-1/2	(445)	17-1/2	(445)	17-1/2	(445)	21	(533)
	Depth	in. (mm)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)
Net Weight		lbs (kg)	85	(39)	87	(40)	113	(51)	113	(51)	114	(52)
Refrigerant				R410A								
Indoor Fan (208/230V)	Air Flow Rate ² (Hi-Lo)	cfm	576-382 / 687-500		713-457 / 778-605		843-677 / 917-769		1108-968 / 1178-1057		1110-877 / 1186-974	
		(m³/min)	(16-11) / (19-14)		(20-13) / (22-17)		(24-19) / (26-22)		(31-27) / (33-30)		(31-25) / (34-28)	
External Pressure ²		in. W.G.	0.4		0.7		0.7		0.7		0.7	
		(Pa)	(99)		(174)		(174)		(174)		(174)	
Refrigerant Piping	Liquid Line	in. (mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)
	Gas Line ³	in. (mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
Condensate Drain	OU	in. (mm)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.7)
	IU	in. (mm)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- Hi and Lo setting on the wired controller. (Hi = Air Handler's High tap and Lo = Air Handler's Medium tap). Make sure both the external pressure and air flow rate match the specification.
- Gas connection piping diameter of the air handler is changed by using the reducer (accessory of DX-Kit) to connect to VRF system.

Tonnage		1.5 Ton			2.0 Ton		2.5 Ton		3.0 Ton	
Adaptable DX-Kit Model #		EXV-018E			EXV-024E		EXV-030E		EXV-036E	
Control Box										
Power Supply		-								
Outer Dimensions		AC208/230V, 1Ph, 60Hz								
Height		in. (mm)	3-3/16	(81)	3-3/16	(81)	3-3/16	(81)	3-3/16	(81)
Width		in. (mm)	12-5/8	(320)	12-5/8	(320)	12-5/8	(320)	12-5/8	(320)
Depth		in. (mm)	7-3/8	(187)	7-3/8	(187)	7-3/8	(187)	7-3/8	(187)
Net Weight		lbs. (kg)	6.57	(2.98)	6.57	(2.98)	6.57	(2.98)	6.57	(2.98)
Expansion Valve Box Part										
Power Supply		—								
Outer Dimensions		DC 12V								
Height		in. (mm)	4-5/16	(109)	4-5/16	(109)	4-5/16	(109)	4-5/16	(109)
Width		in. (mm)	17-1/16	(433)	17-1/16	(433)	17-1/16	(433)	17-1/16	(433)
Depth		in. (mm)	5-5/16	(151)	5-5/16	(151)	5-5/16	(151)	5-5/16	(151)
Net Weight		lbs. (kg)	8.84	(4.01)	8.84	(4.01)	8.84	(4.01)	8.84	(4.01)
Refrigerant		—								
Refrigerant Piping		R410A								
Liquid Line In		in. (mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)
Liquid Line Out		in. (mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)

INDOOR UNITS

MULTI-POSITION AIR HANDLER (CONTINUED)



Multi-Position Air Handler with DX-Kit													
Tonnage				4.0 Ton				5.0 Ton					
Model #				HMAHP48C21S		HMAHP48D21S		HMAHP60C21S		HMAHP60D21S		HMAHP60D22S	
Adaptable Air Handler Model #				AP48CX21		AP48DX21		AP60CX21		AP60DX21		AP60DX22	
Indoor Unit Power Supply				AC 1 Phase, 208/230V, 60Hz									
Nominal Cooling Capacity ¹		Btu/h	48,000		48,000		60,000		60,000		60,000		
		(kW)	(14.1)		(14.1)		(17.6)		(17.6)		(17.6)		
Nominal Heating Capacity ¹		Btu/h	54,000		54,000		64,000		64,000		64,000		
		(kW)	(15.8)		(15.8)		(18.8)		(18.8)		(18.8)		
Outer Dimensions	Height	in. (mm)	51-1/2	(1308)	55-1/2	(1410)	55-3/4	(1416)	55-1/2	(1410)	55-1/2	(1410)	
	Width	in. (mm)	21	(533)	24-1/2	(622)	21	(533)	24-1/2	(622)	24-1/2	(622)	
	Depth	in. (mm)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)	27-7/16	(545)	
Net Weight		lbs (kg)	150	(68)	153	(69)	146	(66)	170	(77)	170	(77)	
Refrigerant				R410A									
Indoor Fan (208/230V)	Air Flow Rate ² (Hi-Lo)	cfm	1062-971 / 1190-1059		1391-1139 / 1481-1258		1680-1562 / 1739-1659		1701-1590 / 1779-1694		1757-1639 / 1829-1735		
		(m³/min)	(30-28) / (34-30)		(39-32) / (42-36)		(48-44) / (49-47)		(48-45) / (50-48)		(50-46) / (52-49)		
External Pressure ²		in. W.G.	0.7		0.7		0.4		0.4		0.4		
		(Pa)	(174)		(174)		(99)		(99)		(99)		
Refrigerant Piping	Liquid Line	in. (mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	
	Gas Line ³	in. (mm)	5/8	(15.88)	5/8	(15.88)	3/4	(19.05)	3/4	(19.05)	3/4	(19.05)	
Condensate Drain	OU	in. (mm)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.7)	1-1/16	(26.67)	
	IU	in. (mm)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)	13/16	(20.9)	

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- Hi and Lo setting on the wired controller. (Hi = Air Handler's High tap and Lo = Air Handler's Medium tap). Make sure both the external pressure and air flow rate match the specification.
- Gas connection piping diameter of the air handler is changed by using the reducer (accessory of DX-Kit) to connect to VRF system.

Tonnage	4.0 Ton			5.0 Ton	
Adaptable DX-Kit Model #	EXV-048E			EXV-060E	
Control Box					
Power Supply	-	AC208/230V, 1Ph, 60Hz			
Outer Dimensions					
Height	in. (mm)	3-3/16	(81)	3-3/16	(81)
Width	in. (mm)	12-5/8	(320)	12-5/8	(320)
Depth	in. (mm)	7-3/8	(187)	7-3/8	(187)
Net Weight	lbs. (kg)	6.57	(2.98)	6.57	(2.98)
Expansion Valve Box Part					
Power Supply	—	DC 12V			
Outer Dimensions					
Height	in. (mm)	4-5/16	(109)	4-5/16	(109)
Width	in. (mm)	17-1/16	(433)	17-1/16	(433)
Depth	in. (mm)	5-5/16	(151)	5-5/16	(151)
Net Weight	lbs. (kg)	8.84	(4.01)	11.05	(5.01)
Refrigerant	— R410A				
Refrigerant Piping					
Liquid Line In	in. (mm)	3/8	(9.52)	3/8	(9.52)
Liquid Line Out	in. (mm)	3/8	(9.52)	3/8	(9.52)

Multi-Position Air Handler	
Compatible Accessories	HMAHP 018-060(B,C,D)2(1,2)S
Electric Heater Kit	6HK Series (UPG)
Infrared (IR) Receiver Kit	CWDIRK01
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN1925
Relay and 3-Pin Connector Kit	PSC-5RA
Remote Sensor (Control)	THM-R2A

INDOOR UNITS

MULTI AIR MULTI-POSITION AIR HANDLER (BUILT-IN CONTROL BOX TYPE)

Fit more spaces with greater ease

It's faster, easier, and less expensive to solve application challenges with the new Multi-position AHU.

Available in capacities ranging from 0.7 to 5 tons, this unit provides a flexible solution for applications as diverse as single hotel rooms or entire houses.

Available in three sizes — small, medium, and large — this unit provides the flexibility for installation in any upflow or horizontal application. Compact cabinets, along with return air options in both the upflow and horizontal positions, allow this unit to fit into tight spaces such as closets, attics, and crawl spaces.



Key Features

- Refrigerant components pre-installed, single point of power pre-installed for all sizes
- Electrical components and expansion valve are built in and ready to go
- Available with factory installed electric heating coils
- Pre-painted steel on the top, coil, and blower doors and heavy-gauge embossed galvanized steel cabinet casing resist corrosion and rust creep.
- Insulated with one-inch R-4.5 insulation that delivers lasting performance and efficiency.
- Blowers are sized to circulate air both quietly and efficiently. The motor is four-tap constant torque motor (ECM).
- The rifled copper tube and aluminum fin coils produce high performance ratings and provide long-lasting quality by using the latest in heat transfer technology.
- External static pressure can be selected for high (0.8 in. WG) or standard (0.4 in. WG).
- Connectable condensate pump is supplied in the field.

INDOOR UNITS

MULTI AIR MULTI-POSITION AIR HANDLER (BUILT-IN CONTROL BOX TYPE)



Tonnage			0.7 Ton		1.0 Ton		1.5 Ton		2.0 Ton		
Model #			TIAH008B22M		TIAH012B22M		TIAH018B22M		TIAH024B22M		
Indoor Unit Power Supply			AC 1Phase, 208/230V, 60Hz								
Nominal Cooling Capacity ¹	Btu/h		8,000		12,000		18,000		24,000		
	(kW)		(2.4)		(3.6)		(5.3)		(7.1)		
Nominal Heating Capacity ¹	Btu/h		9,000		13,500		20,000		27,000		
	(kW)		(2.7)		(4.0)		(5.9)		(8.0)		
Sound Power Level ² (Overall A Scale) (H-Lo)	dB		TBD		TBD		TBD		TBD		
Outer Dimensions	Height	in. (mm)	43	(1092)	43	(1092)	43	(1092)	43	(1092)	
	Width	in. (mm)	17-1/2	(445)	17-1/2	(445)	17-1/2	(445)	17-1/2	(445)	
	Depth	in. (mm)	21	(533)	21	(533)	21	(533)	21	(533)	
Net Weight	lbs. (kg)		96	(44)	98	(44)	106	(48)	106	(48)	
Refrigerant			R410A								
Indoor Fan	Airflow Rate (Hi-Lo)	cfm	350-250		430-300		690-440		800-530		
		(m ³ /min)	(9.9-7.1)		(12.2-8.5)		(19.5-12.5)		(22.7-15.0)		
External Pressure ³ (Standard-High)	in. W.G.		0.4-0.8		0.4-0.8		0.4-0.8		0.4-0.8		
	(Pa)		(100-199)		(100-199)		(100-199)		(100-199)		
Motor Nominal Output	HP		1/3		1/3		1/3		1/3		
Connections											
Refrigerant Piping			Brazeing								
	Liquid Line	in. (mm)	1/4	(6.35)	1/4	(6.35)	3/8	(9.52)	3/8	(9.52)	
	Gas Line	in. (mm)	1/2	(12.7)	1/2	(12.7)	5/8	(15.88)	5/8	(15.88)	
Condensate Drain	OD	in. (mm)	3/4	(19.05)	3/4	(19.05)	3/4	(19.05)	3/4	(19.05)	

NOTES:

1 Nominal capacity is based on combinations within the VRF system under the following conditions:

COOLING OPERATION CONDITIONS

Indoor Air Inlet Temperature: 80°F DB (26.7°C DB)
67°F WB (19.4°C WB)

Outdoor Air Inlet Temperature: 95°F DB (35.0°C DB)

Piping Length: 24.6 ft. (7.5m)

Piping Lift: 0ft. (0m)

HEATING OPERATION CONDITIONS

Indoor Air Inlet Temperature: 70°F DB (21.1°C DB)

Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB)
43°F WB (6.1°C WB)

2 The sound power level is based on AHRI 260. The sound data is measured when the External Static Pressure is High setting.

3 The data for external pressure indicates the values when a filter is not used.

INDOOR UNITS

MULTI AIR MULTI-POSITION AIR HANDLER (BUILT-IN CONTROL BOX TYPE) (CONTINUED)



Tonnage			2.5 Ton		3.0 Ton		4.0 Ton		5.0 Ton		
Model #			TIAH030B22M		TIAH036B22M		TIAH048B22M		TIAH060B22M		
Indoor Unit Power Supply			AC 1Phase, 208/230V, 60Hz								
Nominal Cooling Capacity ¹		Btu/h	30,000		36,000		48,000		60,000		
		(kW)	(8.8)		(10.6)		(14.1)		(17.6)		
Nominal Heating Capacity ¹		Btu/h	34,000		40,000		54,000		64,000		
		(kW)	(10.0)		(11.8)		(15.8)		(18.8)		
Sound Power Level ² (Overall A Scale) (H-Lo)		dB	TBD		TBD		TBD		TBD		
Outer Dimensions	Height	in. (mm)	48	(1219)	48	(1219)	58-3/4	(1492)	58-3/4	(1492)	
	Width	in. (mm)	21	(533)	21	(533)	24-1/2	(622)	24-1/2	(622)	
	Depth	in. (mm)	21	(533)	21	(533)	21-3/4	(553)	21-3/4	(553)	
Net Weight		lbs (kg)	126	(57)	126	(57)	168	(76)	168	(76)	
Refrigerant			R410A								
Indoor Fan	Airflow Rate (Hi-Lo)	cfm	1000-700		1050-750		1520-1060		1800-1260		
		(m³/min)	(28.3-19.8)		(29.7-21.2)		(43.0-30.0)		(51.0-35.7)		
External Pressure ³ (Standard-High)		in. W.G.	0.4-0.8		0.4-0.8		0.4-0.8		0.4-0.8		
		(Pa)	(100-199)		(100-199)		(100-199)		(100-199)		
Motor Nominal Output		HP	1/2		1/2		3/4		3/4		
Connections											
Refrigerant Piping			Brazing								
	Liquid Line	in. (mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)	
	Gas Line	in. (mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)	3/4	(19.05)	
Condensate Drain	OD	in. (mm)	3/4	(19.05)	3/4	(19.05)	3/4	(19.05)	3/4	(19.05)	

NOTES:

1 Nominal capacity is based on combinations within the VRF system under the following conditions:

COOLING OPERATION CONDITIONS

Indoor Air Inlet Temperature: 80°F DB (26.7°C DB)
67°F WB (19.4°C WB)
Outdoor Air Inlet Temperature: 95°F DB (35.0°C DB)

Piping Length: 24.6 ft. (7.5m)
Piping Lift: 0ft. (0m)

HEATING OPERATION CONDITIONS

Indoor Air Inlet Temperature: 70°F DB (21.1°C DB)
Outdoor Air Inlet Temperature: 47°F DB (8.3°C DB)
43°F WB (6.1°C WB)

2 The sound power level is based on AHRI 260. The sound data is measured when the External Static Pressure is High setting.

3 The data for external pressure indicates the values when a filter is not used.

Multi-Position Air Handler (Built-in Control Box Type)					
Compatible Accessories		TIAH008,012B22M	TIAH018,024B22M	TIAH030,036B22M	TIAH048B22M TIAH060B22M
Filter Base Kit		86ET0002		86ET0001	86ET0003
Downflow Conversion Kit		DFK-S-JH		DFK-M-JH	DFK-L-JH
Electrical Heater Kit	2 kW	BSEHK-02B-JH	BSEHK-02B-JH	-	-
	3 kW	-	BSEHK-03B-JH	BMEHK-03B-JH	-
	5 kW	-	-	BMEHK-05B-JH	BLEHK-05B-JH
	8 kW	-	-	-	BLEHK-08B-JH
	10 kW	-	-	-	BLEHK-10B-JH
Infrared Receiver (IR) Kit		CWDIRK01			
3-Pin Connector Cable		PCC-1A			
Relay and 3-Pin Connector Kit		PSC-5RA			
Remote Sensor (Control)		THM-R2A			

INDOOR UNITS

MINI VRF

OUTDOOR UNITS

SINGLE-PHASE 208/230V (HEAT PUMP)

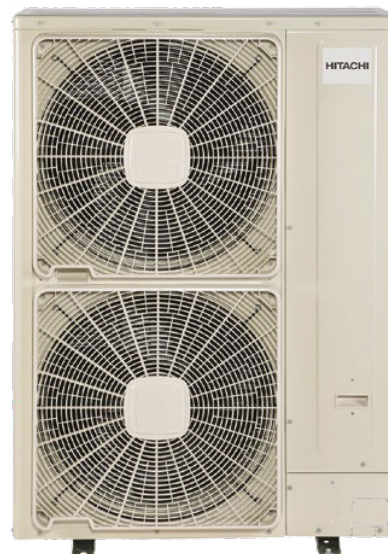
Meet diverse application needs with Hitachi Mini VRF Outdoor Units. Units are available in a range of capacities, providing exceptional design freedom. Each unit can operate multiple indoor units. Building occupants will appreciate the unit's industry leading quiet operation.



OUTDOOR UNITS

MINI VRF OUTDOOR UNITS

Exceptionally efficient Hitachi Mini VRF systems provide design versatility and flexibility and quiet personalized comfort. Single phase (208-230V) 3-, 4- and 5-ton heat pump systems with inverter compressor technology provide cooling up to 118°F and heating down to -4°F ambient. Multiple indoor unit options enable individual comfort control of up to eight rooms/zones.



Mini VRF 208/230V HP Heat Pump Units		3 Ton	4 Ton	5 Ton
Mini VRF Outdoor Unit Model		HVAHP036B21S	HVAHP048B21S	HVAHP060B21S
Performance	Rated Cooling Capacity (Btu/h)	36,000	48,000	60,000
	Rated Heating Capacity (Btu/h)	40,000	54,000	64,000
	Operating Range* — Cooling (°F)	23 to 118		
	Operating Range* — Heating (°F)	-4 to 59		
	Power Supply (V/ph/Hz)	208-230 / 1 / 60		
Configurations	Number Of Indoor Units	1 to 6	1 to 8	1 to 8
Refrigerant Piping	Maximum Piping Length (ft)	492		
	Maximum Total Piping Length (ft)	984		
	Maximum Vertical Distance, IU to OU — OU above IU / OU below IU (ft)	164 / 131		
	Maximum Vertical Distance Between Indoor Units (ft)	49		
Dimensions	H x W x D (in)	54 5/16 x 37 3/8 x 14 9/16		

* For more details and limitations, please consult Hitachi sales team or refer to product manuals

Hitachi Mini VRF Outdoor Units

Hitachi Mini VRF Heat Pump units offer an extended operating temperature range: outdoor ambient temperature as low as 23°F (-5°C) in the cooling mode and as low as -4°F (-20°C) in the heating mode.

All outdoor units feature:

- **Long refrigerant piping lengths** – up to 492 feet piping length
- **Advanced defrost cycle operation** in the heating mode
- **Ability to operate up to 8 indoor units** on a single piping network
- **Power-saving demand control** for reduced peak load and energy savings
- **Optional Low Sound Mode** which reduces the standard low sound level even further

OUTDOOR UNITS

MINI VRF HEAT PUMP OUTDOOR UNITS

208/230V HP | 3-, 4- & 5-TON SYSTEMS



3, 4 & 5 Ton Systems	Type				Mini VRF Outdoor Units					
	Tonnage				3 Ton ⁵		4 Ton ⁵		5 Ton	
Model #					HVAHP036B21S		HVAHP048B21S		HVAHP060B21S	
Power Supply					208/230V/ 1PH 60Hz		208/230V/ 1PH 60Hz		208/230V/ 1PH 60Hz	
Capacity (Nominal) ¹	Cooling	Capacity (Nominal)	Btu/h	(kW)	36,000	(10.6)	48,000	(14.1)	60,000	(17.6)
		Power input	kW		2.53		3.78		5.05	
		Current input	A		12.3 / 11.1		18.6 / 16.9		24.8 / 22.4	
	Heating	Capacity (Nominal)	Btu/h	(kW)	40,000	11.7	54,000	15.8	64,000	18.7
		Power input	kW		2.40		4.00		4.40	
		Current input	A		11.8 / 10.6		19.6 / 17.7		21.7 / 19.6	
Efficiency Ratings ²	Cooling (for Non-ducted and Ducted)	Capacity (Rated)	Btu/h		36,000	36,000	48,000	48,000	60,000	55,000
		EER	Btu/Wh		16.70	13.80	16.70	13.10	12.20	9.70
		SEER	Btu/Wh		23.50	18.70	24.10	18.40	16.80	16.00
	Heating (for Non-ducted and Ducted)	Rated Capacity	Btu/h		40,000	40,000	54,000	54,000	64,000	64,000
		COP	W/W		5.12	3.90	4.56	3.86	3.90	3.30
		HSPF	Btu/Wh		12.80	11.00	11.70	11.80	12.10	11.00
Cooling Operating Range ³		Outdoor	°F DB (°C DB)	23 (-5) ~ 118 (48)		23 (-5) ~ 118 (48)		23 (-5) ~ 118 (48)		
Heating Operating Range ³		Outdoor	°F WB (°C WB)	-4 (-20) ~ 59 (15)		-4 (-20) ~ 59 (15)		-4 (-20) ~ 59 (15)		
Outer Dimensions	Height		in (mm)	54-5/16 (1380)		54-5/16 (1380)		54-5/16 (1380)		
	Width		in (mm)	37-3/8 (950)		37-3/8 (950)		37-3/8 (950)		
	Depth		in (mm)	14-9/16 (370)		14-9/16 (370)		14-9/16 (370)		
Weight	Net		lbs (kg)	249 (113)		249 (113)		249 (113)		
Connection Ratio	Total Indoor Unit Capacity		%		60-130		60-130		60-105	
	Max. (Recommendation) indoor units/system				6		8		8	
Compressor	Type		—		HA36PHD-A1S2		HA36PHD-A1S2		A36PHD-A1S2	
	Motor Output (Pole)		— / —		3PH / 6		3PH / 6		3PH / 6	
	Operation Range		%		10 ~ 100		10 ~ 100		10 ~ 100	
	Refrigeration Oil Type		-		FVC68D		FVC68D		FVC68D	
Fan	Type		-		Propeller Fan		Propeller Fan		Propeller Fan	
	Motor Output		W		58 + 58		58 + 58		58 + 58	
	Quantity		Q'ty		2		2		2	
	Air Flow Rate		cfm	(m³/min)	3177	(90)	3530	(100)	3530	(100)
Electrical	Min Circuit Amps		A		31		31		31	
	Max. Overcurrent Protective Device		A		40		40		40	
Sound Pressure Level ⁴	Cooling (Night-Shift)		dB(A)		51	(44)	52	(46)	53	(46)
	Heating		dB(A)		52		54		56	
Refrigerant	Type		-		R410A					
	Charge amount		lbs	(kg)	7.9	(3.6)	7.9	(3.6)	7.9	(3.6)
Main Refrigerant Piping	Gas Line		in	(mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
	Liquid Line		in	(mm)	3/8	(9.52)	3/8	(9.52)	3/8	(9.52)

NOTES:

- Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.
- Efficiency ratings are based on the AHRI 210/240 test standard.
- There are some exceptions and notes for cooling and heating operation ranges. For details, refer to Section 2.12 "Operation Range".
- Measurement Point: 3.3 ft. (1m) from the air outlet side, 4.9 ft. (1.5m) from floor level. The operation sound is measured in an anechoic chamber. However, the actual operation sound may appear louder or with an echo because of surrounding environmental noise. Be sure to check environmental conditions before installation. The sound of the air inlet side may be 3dB higher than that of the air outlet side.
- Unit is ENERGY STAR certified.



CONTROLLERS

A control option for every application

Controllers and Network Adapters

Bring your customers premium control options with Hitachi controllers and gateways. The wide range of options provides an optimal solution for every customer's needs. All Hitachi controllers are compatible with all Hitachi Air-Source and Water-Source Systems.

Controllers Overview 45

Zone Controllers

Advanced Color Wired Remote Controller 46

Wireless Zone Controller 46

5-Wired Thermostat Adapter 46

Simplified Wired Zone Controller 46

Central Controllers

Mini Central Controller 47

Large Central Controller 47

VRF Central Touchscreen Controller 48

Network Adapters

VRF Smart Gateway (BACnet compatible) 49

LONWorks Adapter 49

IoT Devices

airCloud Gateway 50

VRF Cloud Gateway 51



CONTROLLERS

OVERVIEW

Project Requirements	Wireless Zone Controller	Simplified Wired Zone Controller	Advanced Color Wired Remote Controller	Mini Central Station	Large Central Station	Central Touch-screen Controller	LON-Works® Adapter	VRF Smart Gateway (BACnet)®	VRF Cloud Gateway	airCloud Gateway
	CIR01	CIS01	CIW02-H	CCM01	CCL01	CCXL02	CLW01	CBN02	CMNETS	HC-IOTGW
Simple individual zone control	✓	✓	✓	✓	✓	✓			✓	✓
Independent cool and heat setpoints	✓	✓	✓	✓	✓	✓	■	■	✓	✓
Individual zone control with weekly programmable scheduling			✓	✓	✓	✓	■	■	✓	✓
Basic central point on/off control of all units				✓	✓	✓	✓	✓	✓	✓
Advanced multi-zone control of small to medium size projects				✓	✓		■	■	✓	✓
Advanced multi-zone control of large commercial projects					✓	✓	■	■	✓	✓
Automatic cooling/heating changeover for heat recovery systems	✓	✓	✓	✓	✓	✓	■	■	✓	✓
Single input batch shutdown of all connected units				✓	✓	✓	✓	✓	✓	✓
Multiple tenant power billing for shared condenser applications*						✓		■		
Temperature set-point range restrictions		✓	✓	✓	✓	✓	■	■	✓	✓
Graphical user interface with floor plan layout						✓	■	■		
Exposes more points							■	■		
Exposes outdoor unit points							■	■		
Capable of reading Indoor and Outdoor Unit sensors								✓		
Wi-Fi enabled							■	✓	✓	✓
Easy integration							■	✓	✓	✓
Easy commissioning							■	✓	✓	✓
Hotel Mode			✓							

✓ = Native application or feature of this device

■ = Dependent upon capabilities of a third-party energy management system

* = Additional metering hardware and software is required for consumption-based tenant billing

CONTROLLERS

ZONE CONTROLLERS

ZONE CONTROLLERS - Energy-Saving Features

Temperature range limit	Set temperature auto reset	Occupancy-based operation (Sensors available on select Indoor Units.)
Setback	Off timer	Individual function lockout (mode, temperature, fan speed)



MODEL CIW02-H

Advanced color wired remote controller

- New wired remote controller for VRF with the brand-new global visual design.
- Stylish curve surface with easy-to-operate touch buttons placed at a touch angle.
- Integrated housing with in-mould labeling (IML) process increases durability and a cleaner look.
- Improved visual monitoring with a large 4.3-inch color screen.
- New home menu design with a different display color for each operation mode.
- Optimized menu structure for easy operation. Provides password protection to Service & Installation menu for maintenance operation
- 7 languages are supported, English, Japanese, Chinese (traditional), Chinese (simplified), French, Spanish and Portuguese, and the regional default language is pre-set on each model.
- New feature for “Hotel Mode” with a quick access icon for “Language” and “OFF Timer” assigned on the home screen.
- Service & Installation improvements include new function selection user interface (UI) with command description and quick access from tab design and setting history.



MODEL CIS01

Simplified Wired Zone Controller

- Small size for discreet applications
- Controls 1 to 16 indoor units (same settings)
- Error code diagnosis
- Adjustable fan speed
- Typically used in hotels, offices and restaurants



MODEL CIR01

Wireless Zone Controller

- Controls up to 16 indoor units
- Built-in 23-hour timer
- Wireless receiver must be added for all indoor units except Wall Mount models (built in)



MODEL C3STAT01

5-Wire Thermostat Adapter

- Enables communication from standard 5-wire thermostats into VRF controls logic
- Small size for discreet installation
- Illuminated 7-segment display
- Field-configurable
- Easy-to-use desktop user interface available
- Single 24VAC power connection can power both adapter and third-party thermostat

CONTROLLERS

CENTRAL CONTROLLERS

Central Station

Central Controller Large and Mini systems are available.

- Large version controls up to 64 groups of indoor units (maximum 160 units).
- Mini version controls up to 32 groups of indoor units (maximum 160 units).
- Easy-to-use touchscreen interface
- Records accumulated operations time for tenant billing
- Color-coded graphics for quick reference
- Set up to 10 on/off times per day
- Up to 8 stations can be connected to the H-LINK II.
- In addition to basic control, such as settings for operation/stop, the operation mode and temperature, the air quantity and auto louver can be set. If a problem occurs, an alarm code immediately shows the details of the problem.
- An external input terminal is provided as standard. External signals enable the following functions:
 - » central operation/stop
 - » demand control
 - » emergency stop
 - » central operation output and central alarm output



Large Central Controller: MODEL CCL01



Mini Central Controller: MODEL CCM01

CONTROLLERS

CENTRAL CONTROLLERS



VRF Central Touchscreen Controller: MODEL CCXL02
Extension Adapter (CCXLA02) (Optional)

Choose how data is displayed, and obtain easy-to-read management reports with up to two years of data for:

- Accumulated operation time (min.)
- Accumulated thermo-ON time (min.)
- Average air intake temperature of indoor units and outdoor units
- Average setting temperature
- Average zone controller sensor temperature (may not be available depending on zone controller settings)

VRF Central Touchscreen Controller

With Remote Access Software (included) & Energy Calculation Software - Tenant Metering (Add-on). Easily control VRF systems in large, commercial properties with the Hitachi Central Touchscreen Controller. And enjoy accurate, easy tenant billing feature with the optional Energy Calculation Software (CCSE01).

The intuitive user interface makes monitoring systems a breeze. Colors and icons enable quick identification and monitoring of commonly checked items such as:

- Room name
- Run/stop
- Mode
- Temperature
- Fan speed
- Louver
- Current status icon
- Air intake temperature

Compatible with the H-LINK II	Control up to 2,560 indoor units	Control up to 2,048 VRF groups	Customize to meet your needs	Up to 15 Extension Adapters (CCXLA02) can be connected to a system	External input: 4 (Level or pulse)
-------------------------------	----------------------------------	--------------------------------	------------------------------	--	------------------------------------

*See model details for specifics

CONTROLLERS

NETWORK ADAPTERS

Johnson Controls VRF Smart Gateway

The VRF Smart Gateway enables unprecedented control of Hitachi VRF system components through fast, simple integration into the Facility Explorer® BAS. Complete system data is available for all components in the system.

Enhanced features

- Automatically structures and organizes data for faster, easier and less costly integration
- Works over Ethernet to obtain system data and make it accessible through BAS
- Brings all BAS capabilities to VRF components including User Interface, Global Search, schedules, reporting, and offline configuration
- BACnet® compatible
- Information conforms to BAS conventions for quick adoption
- Wi-Fi accessibility enables 24/7 monitoring and control of equipment from laptops, tablets and smartphones



MODEL CBN02



LONWorks® Adapter

- Supports up to 64 Remote Control Groups
- Supports up to 160 Indoor Units with a variety of network variables on a per indoor unit basis
- Control points include: Run/Stop, Operation Mode, Fan Speed, Temperature Setpoint, Prohibit Zone Controller Functions
- Monitoring points include: Run/Stop Status, Operation Mode Status, Fan Speed Status, Temperature Setpoint, Thermo Status, Alarm Status



MODEL CLW01

Features

- 24V AC powered
- Connect up to 4 LonWorks Adapters (CLW01) simultaneously to the same H-LINK II segment
- Connect up to 8 Large (CCL01) and/or Mini (CCM01) Central Controllers and/or LONWorks Adapters (CLW01) simultaneously to the same H-LINK II segment
- Support for the following maximum device limits:
 - » 64 refrigerant systems
 - » 160 indoor units
 - » Total of 200 nodes:
A combination of up to 160 indoor units and a maximum of 64 outdoor units, not to exceed a total of 200.

CONTROLLERS

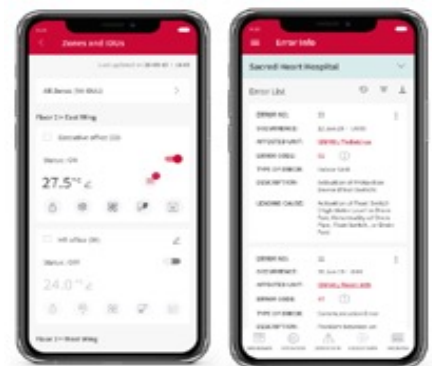
IOT DEVICES

airCloud Gateway

- Easy add-on to new and existing VRF systems, Ideal for small to large-site applications
- Remote access from Web and Mobile devices (iOS and Android)
- Available functions including remote individual and group control, error history management, and schedule setting
- Over-the-Air software update function built-in supports automatic delivery of new functions to the Gateway
- Support Internet connection through Ethernet Cable and optional 4G unit (coming soon)
- Each gateway can connect up to 80 IDUs and 16 ODUs
- No limitation on number of gateways/sites, number of users or mobile devices/sites
- Once customer purchases airCloud Gateway, they can access download link and receive standard APP free of charge



airCloud Gateway: Model HC-IOTGW



CONTROLLERS

IOT DEVICES

VRF Cloud Gateway

The new VRF Cloud Gateway by Cool Automation seamlessly integrates VRF systems with smart phones, tablets, or any similar wireless device as well as home automation control systems. This simplifies monitoring and control as VRF systems can be managed through the same interface as lighting, security and other home systems. It can also be used as a stand-alone device with information accessible over the web. And, it comes with the peace of mind that it has been thoroughly tested by the team at Johnson Controls.



MODEL CMNETS

Features

- Monitor and control equipment from a laptop, tablet or smartphone anytime, anywhere
- Manage and control indoor units through simple touchscreen display
- Install and integrate with ease (true plug-and-play device)
- Interface through H-Link and Ethernet Network



H-LINK II NETWORK SYSTEMS

H-LINK II

H-LINK II is a unique communication system that can be used to control multiple outdoor and indoor units from one control point. Its use assists installers and service engineers by simplifying commissioning and service maintenance. For building owners and occupants, it provides great versatility to connect various types of central control options enabling better system management.

The H-LINK II communication system for connection between outdoor and indoor units provides an extended system configuration and improved functions without sacrificing workability and flexibility.

Our proprietary high-performance communication system enables connection of control wiring between indoor and outdoor units, and between a centralized control system and indoor/outdoor units across two or more refrigerant systems.

Flexible wiring routes

The H-LINK allows for easy installation through a simple daisy-chain configuration. Simply connect to the adjacent units or the terminal block of a centralized control system.

H-LINK II System	
Max. Number of Refrigerant Groups / System	64
Max. Number of Indoor Units / System	160
Total Number of Devices in the same H-LINK II	200
Total Max. Wiring Length	Total 3,281 ft

ACCESSORIES

MINI VRF ACCESSORIES



Unit Type	Accessory	Description
Outdoor Units	Drain Kit	For connection of field supplied drain pipe to drain pan
	Air Flow Guide	Louvers for directing outlet air
	Wind Guard	Protects outlet air from strong winds
	Wind Prevention Tool	Prevents the OU from tipping over
	Snow Protection Hood	Protects OU air outlet from snow
	Toppling Prevention Tool	Prevents OU from tipping over when Snow Protection Hood is in use
	Protection Net	Kit that protects OU heat exchanger
	3-Pin Connector Cable	Kit that provides remote start/stop capability for IU and operating status of IU functions
Ducted Indoor Units	3-Pin Connector Cable	Kit (with 5 sets of 3P Connectors) that provides remote start/stop capability (binary input) to IU and operating status (binary input) of IU functions
	Relay and 3-Pin Connector Kit	Relay and 3 Pin Connector Kit used for input/output signals (ON/OFF, mode, alarm) between central controller and IU
	Remote Temperature Sensor	Remote air temperature sensor
	Air Filter	Washable air filter with mounting flange
	Filter Box	Mounting box for filter
	Air Outlet Shutter Plate	Plate for blocking of air outlet
	Fresh Air Intake Kit	Kit for connection of outside air to the IU
	T-Tube Connecting Kit	Kit for connection of outside air duct to the IU. Requires Fresh Air Intake Kit
	Duct Adapter	Kit for connection of outside air duct to the IU
	Panel with Motion / Radiant Sensors	Air panel with motion and radiant heat sensor. Replaces standard panel
	Motion Sensor Kit	Kit for detection of motion in the area
	Grille for Front Discharge	Grille used for front air outlet from IU
	Strainer Kit	For IU refrigerant circuit
	IR Receiver Kit	Kit for use with wireless controller CIR01
	2-Pin Connector	Printed Board Connector
	Drain Pump Kit	Drain pump kit
	Remote Temperature Sensor	Remote air temperature sensor
	Drain pump (wall mount)	Condensate Pump Kit Capacity - 2.9-3.2 GPH @ 0' Head / 1.2-1.6 GPH @ 33' Head
	3-Pin Connector Cable	Kit (with 5 sets of 3P Connectors) that provides remote start/stop capability (binary input) to IU and operating status (binary input) of IU functions
	Relay and 3-Pin Connector Kit	Relay and 3 Pin Connector Kit used for input/output signals (ON/OFF, mode, alarm) between central controller and IU

NOTES

NOTES



JOHNSON CONTROLS-HITACHI AIR CONDITIONING NORTH AMERICA

CUSTOMER SERVICE

844-873-4445 Option 1
BE-VRFCustomerService@jci-hitachi.com

HITACHI. CERTIFIED QUALITY



Industry certified

Hitachi VRF Systems are Intertek ETL Listed (Canada & USA), signifying that they comply with the standard of Heating and Cooling Equipment (ANSI/UL 1995 and CAN/CSA C22.2 No. 236-11, 4th Edition, October 14, 2011). The systems are also certified by the Air Conditioning, Heating & Refrigeration Institute.

HITACHI. TOTAL WARRANTY



us.hitachiaircon.com



The specifications of this catalog may change without prior notice to allow Hitachi Cooling & Heating to incorporate the latest innovations for its customers. The information contained in this catalog is merely informative. Hitachi Cooling & Heating declines any responsibility in the broadest sense, for damage, direct or indirect, arising from the use and / or interpretation of the recommendations in this catalog.