



BryantDuctless.com

3300 Riverwood Parkway SE
Suite 900
Atlanta, GA 30339



2020

DUCTLESS SYSTEMS CATALOG

Residential and Light Commercial



Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or without incurring obligations.

Wi-Fi® is a registered trademark of Wi-Fi Alliance® Corporation.

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01-8110-1529-10 10/2019



“From a contractor standpoint, I recommend Bryant Ductless Systems to everyone. Ease of installation, simple quick start-up procedure, excellent design and service support backed by one of the best warranties out there makes this my go-to product every time! My customers really enjoy the ease of use with understandable controls and the quiet, dependable and efficient year round operation!”

Frank T. Patz
Southeastern Heating,
Air Conditioning and Electrical
Wilmington, NC

“Bryant mini splits are very reliable units. We’re pleased with their quality and performance. Our trained installers have been installing them for years and we have had zero callbacks.”

Tim Allen
H&M Mechanical
Lafayette, CO



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Why Bryant® Ductless?

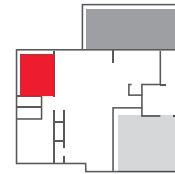
Solving a customer's toughest heating and cooling challenges becomes a lot easier when the need for new ductwork is eliminated.

It's easy to control hard-to-heat or hard-to-cool areas, limited space isn't so limiting and expensive construction overhauls are easy, cost-effective and energy efficient.

Bryant® Ductless Systems are ideal for a variety of installation scenarios and the perfect solution to many customers' comfort needs. No ducts? With Bryant Ductless, it's no problem.

ADVANTAGES

One of the best ways to bring the advantages of a Bryant® Ductless System to life is to start simple. A ductless system is simply an indoor and outdoor unit connected with a refrigerant line. Once one understands the concept, our wide array of styles, options and functions for indoor units becomes even more irresistible.



Helps Eliminate Hot or Cold Spots

Bryant Ductless Systems do Whatever It Takes® to keep you comfortable, providing comfort to areas that are challenging to control.



No Ductwork Needed

Our Bryant Ductless Systems are ideal for additions and renovations, saving customers money by eliminating the need to add ductwork or fitting into unique spaces.



Comfort and Efficiency

With no ductwork to add and exceptional energy savings, Bryant Ductless Systems make projects for your customers more affordable and, most importantly, more comfortable.



Individual Room Control

Bryant Ductless Systems have sensors that monitor ambient temperatures and humidity levels in each room as well as outdoors. This allows the system to maintain optimal comfort in each area.

Versatility

Whether customers need to take control of one room or many, Bryant Ductless offers a solution. We provide ductless in a variety of sizes, styles and installation locations to fit any room.



Remote Control Via Wi-Fi®

Control your Bryant Ductless System from across the room using the included remote control with easy-to-read buttons or from anywhere using the available smartphone app that works with the Evolution® Series or after installing a Wi-Fi® accessory.

Mix-and-Match Components

Bryant Ductless Systems provide a variety of indoor and outdoor unit combinations. You can combine many indoor units with different outdoor units, even across different performance tiers. This creates greater inventory control for you and more freedom in tailoring a system to customer needs.



Both Single-Family and Multi-Family Uses

Compact designs (both indoor and outdoor units) and multi-zone capabilities make them ideal for both single-family and multi-family housing applications.

BREATHE NEW LIFE
INTO SPACES WITH
BRYANT® DUCTLESS

Bryant® Ductless is ideal for rooms that are seasonal or that aren't used all of the time. It's also a practical solution for spaces that are difficult to heat or cool, where installing additional ductwork is impractical or for areas that simply can't be tied into a customer's conventional central HVAC system. Make these spaces comfortable with Bryant Ductless.



- Empty Nests**
Using Bryant Ductless, homeowners can save energy by heating or cooling only the areas of their home they are currently using.
- Sunrooms**
Limited wall space and seasonal use makes a Bryant Ductless System a practical solution.
- Large Homes**
Bryant Multi-zone Ductless Systems offer long line lengths between outdoor and indoor units, providing more installation options and design flexibility.

- Bedrooms and Nursery**
In areas where family members are the most sensitive and vulnerable, Bryant Ductless can provide individual control, tailored comfort and indoor air quality benefits.
- Basements**
Provide better control of humidity and comfort in lower natural-light conditions.
- Multi-Family Buildings**
Compact sizes of outdoor units can be easily installed on roofs, patios or in small yards. Indoor units can be installed high on walls, in ceilings, near the floor and in closets.



- Small Offices, Classrooms and Computer Rooms**
With small footprints and exceptional temperature and humidity control, Bryant® Ductless Systems are ideal for small offices, temporary classrooms and computer server rooms.



- Garages**
Inverter technology can help homeowners tame hard-to-control temperatures and humidity.
- Rooms Without Existing Ductwork**
Bring comfort to areas such as garages, home gyms, bonus rooms, game rooms and play spaces.



- New Additions**
Connecting a new addition to a home's central heating and cooling system might not be possible. In cases like this, a Bryant Ductless System saves the day.

WHY BRYANT® DUCTLESS?

THREE PERFORMANCE LEVELS FROM WHICH TO CHOOSE

EVOLUTION SYSTEM

Bryant® Evolution® Series Ductless and VRF (Variable Refrigerant Flow) Systems represent our most capable and energy-efficient options for delivering comfort to a single space, or throughout an entire home or business. ENERGY STAR® certified, our Evolution Series delivers up to 42 Seasonal Energy Efficiency Ratio (SEER) and 15 Heating Seasonal Performance Factor (HSPF). Multi-zone Evolution systems provide individual control for up to nine separate living areas.

Preferred SERIES

Preferred™ Series Ductless Systems provide a comfortable balance between performance and price, delivering up to 25 SEER cooling and up to 12.0 HSPF heating ratings. Our multi-zone systems can control comfort in up to five separate spaces, while our single zone systems maintain optimal performance at lower outdoor temperatures.

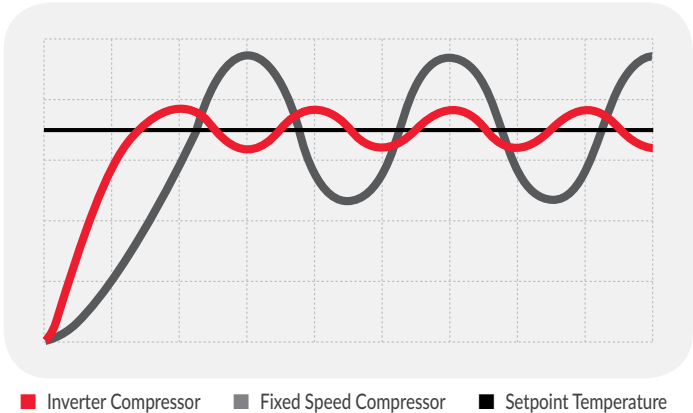
LEGACY LINE

When comfort and flexibility demand affordability as well, consider our Legacy™ Line Ductless Systems. Users will enjoy calm, soothing comfort with extra-quiet operation as low as 27 dB(A). At the same time, they can expect economical performance as high as 19.8 SEER cooling and 10.6 HSPF heating.

Note: Indoor units are interchangeable. You are not limited to just one tier during installation.

BRYANT INVERTER TECHNOLOGY

Bryant Ductless Systems use inverter technology, making them more energy efficient, quieter and able to provide more constant and comfortable temperatures and humidity. This technology enables the compressor to adjust its speed to heating or cooling needs. This produces energy savings while maintaining more consistent temperature and humidity. With a noise rating as low as 52.5 dB(A), the outdoor sound of a Bryant Ductless System can be equal or less than a dishwasher or normal speech.



RELATIVE HUMIDITY SENSOR

Available in the Bryant Ductless Evolution System, users can set room humidity level using the built-in relative humidity sensor. This feature enhances comfort and efficiency, even in humidity-prone environments.

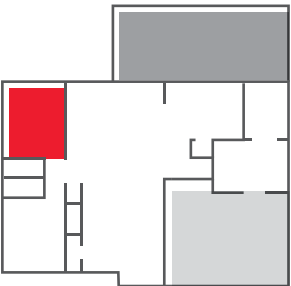
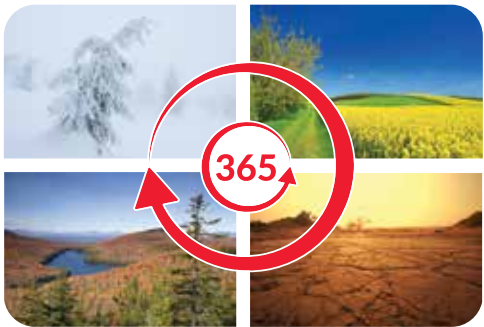
ENERGY EFFICIENCY

When indoor and outdoor units are combined in the Evolution Series only, they can achieve up to a 42 SEER, a 15 HSPF and a 15 Energy Efficiency Ratio (EER). Most Bryant Ductless Systems are ENERGY STAR® certified and may qualify for federal and state rebates where available.



YEAR-ROUND COMFORT

A combined Bryant® Ductless System provides year-round comfort to residents in practically any region of the U.S. It will continue to cool even if outdoor temperatures rise to 130 degrees Fahrenheit, and it will continue to heat if outdoor temperatures drop to -22 degrees Fahrenheit. A Bryant Ductless System can also improve indoor air quality since air in each room is not circulated throughout the entire structure.



SINGLE ZONE OPERATION

If you need to bring individualized control to a particular area, we offer a variety of Bryant single zone Ductless Systems. Each system comes with a remote control as well as Wi-Fi® access, using the available phone app.

MULTI-ZONE OPERATION

For controlling multiple areas or whole homes, we also offer a wide selection of Bryant multi-zone Ductless Systems. Our multi-zone systems allow you to connect up to nine different indoor units with a single outdoor unit. While all indoor units rely on the outdoor unit, each can still individually control its area.



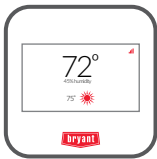
OUTSTANDING 10-YEAR WARRANTIES

Each Bryant Ductless System comes with a 10-year limited warranty and 10-year compressor limited warranty. The warranties are for original purchasing owners who submit their registrations within the required 90-day period.*



REMOTE CONNECTIVITY VIA SMARTPHONE

Help customers select one of our Wi-Fi® compatible ductless systems and they'll be able to adjust their comfort from anywhere with our Bryant ControlBox app. By connecting their Bryant Ductless System to their Wi-Fi® network, customers can take 24/7 control of heating and cooling using a smartphone.



24-VOLT INTERFACE†

The Bryant 24-volt interface allows a user to easily control a Bryant Ductless System using a smart thermostat such as the Bryant Housewise™ Thermostat. The interface also works with third-party 24-volt thermostats. Available for both 115-volt and 208/230-volt current, it keeps the inverter compressor operating as a variable speed system.‡ It can be mounted either inside or outside.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
* If properly registered within ninety (90) days after original installation, parts are warranted to the original purchaser for a period of 10 years. Otherwise, parts warranty is 5 years (except in California and Quebec, and other jurisdictions that prohibit warranty benefits conditioned on registration). See warranty certificate for details.
† Applicable to single zone systems only at this time.
‡ Can only be used for single zone systems.

WHY BRYANT® DUCTLESS?

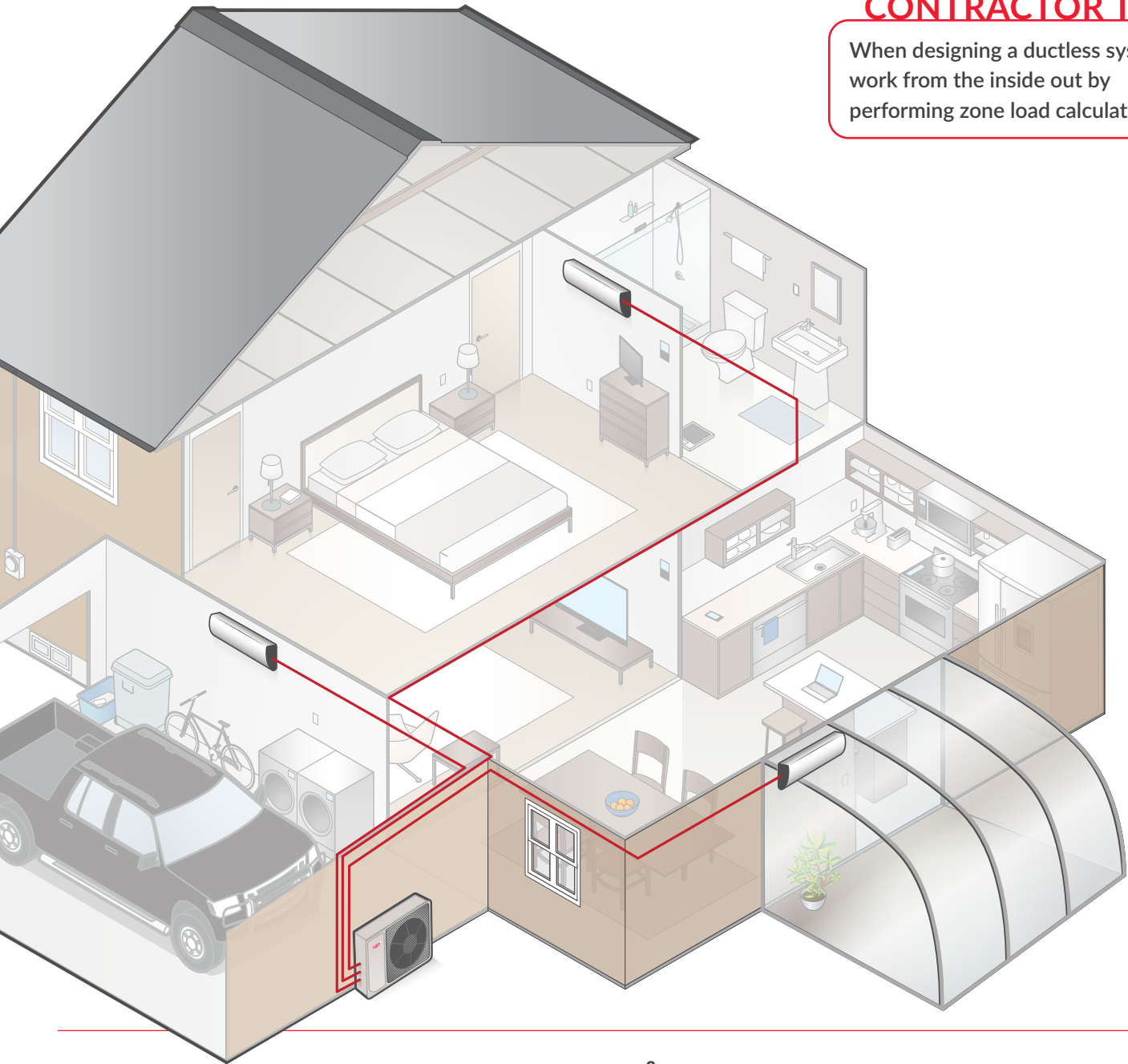
DESIGN FLEXIBILITY

- Bryant® Ductless Systems give you multiple options for installations.
- Interior units are unobtrusive and compact. They can be installed in ceilings, high on walls or near floors.
 - Outdoor units are quiet and compact, so they won't get in the way of outdoor living areas. For multi-family applications, they can also be easily placed out of the way on roofs or decks.
 - Bryant Ductless Systems can easily be paired with smart controllers such as the Bryant Housewise™ Thermostat and controller via Wi-Fi®.*



CONTRACTOR TIP

When designing a ductless system, work from the inside out by performing zone load calculations.



TOP REASONS
IT TAKES
BRYANT®



PASSIONATE SERVICE

You deliver more than quality products, you deliver knowledge and experience. Dedicated to doing Whatever It Takes® to get each job done right, the first time. Your customers can rest assured that their system will receive the attention to detail and professional performance delivered only by Bryant® Dealers.

EXCEEDING EXPECTATIONS

With more than 100 years of experience, Bryant delivers a full line-up of heating and cooling products designed with whole-home comfort in mind. Through innovative design and rigorous testing, our products are reliable.

CUSTOMIZED COMFORT SOLUTIONS

Heating and cooling solutions are not one-size-fits-all. And you make sure to provide solutions based on your customers' specific needs. From financing to potential rebates to reliable products installed by dedicated dealers, with Bryant, your customers are given options that help keep their homes and wallets comfortable.

NEW CONVENIENCES

Whole-home comfort can seem difficult to achieve but working with Bryant makes it easy. With a diverse line of products to address almost any need, from hot or cold spots, to improving indoor air quality and programmable thermostats with Wi-Fi® capabilities, customized comfort is in your hands.

OUR HIGHEST EFFICIENCY RATING

Our Bryant Ductless Evolution® 619PHA Wall units can deliver an incredible 42 SEER rating and 15 HSPF rating when paired with the 38MPRA single zone outdoor units†. These are two of the highest efficiency ratings in the entire industry in North America.

IMPROVED EFFICIENCY SAVINGS

Help customers invest in their home with efficient Bryant products. Energy-efficient systems can reduce homeowners' energy consumption and carbon footprint. By reducing monthly utility usage over the life of a system, customers will see how efficient equipment pays off.

REPUTATION FOR QUALITY

Founded in 1904, Bryant Heating & Cooling has worked to bring the best products onto the market. As technology has changed, we've been at the forefront of that change. Today, Bryant is recognized for providing some of the quietest, most energy-efficient products in the industry. With over 100 years of experience, both dealers and homeowners can trust they're in good hands.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
* Single zone applications only. Requires the addition of the 24-volt interface.
† According to system ratings maintained by AHRI as of January 22, 2018, in accordance with the AHRI Unitary Small Equipment Operations Manual. The 9,000 BTUh single zone ductless has a 42 SEER Rating.



Single Zone Systems				
Model	Size	SEER	HSPF	Page
38MPRA Outdoor Unit	09 - 24K	Up to 42.0	Up to 15.0	14
619PHA High Wall	09 - 24K			16
38MA*R Outdoor Unit	09 - 36K	Up to 25.0	Up to 12.0	20
619P*B High Wall	09 - 36K			26
40MBCQ Cassette	09 - 24K			28
40MBDQ Ducted	09 - 24K			30
40MBFQ Console	12 - 24K			32
38MHRB Outdoor Unit	09 - 24K	Up to 19.8	Up to 10.6	34
40MHH High Wall	09 - 24K			38
Multi-zone Systems				
Model	Size	SEER	HSPF	Page
38MGR Outdoor Unit	18 - 48K	Up to 23.8	Up to 11.5	44
38VMH VRF Outdoor Unit	3, 4 & 5-ton	Up to 18.6	Up to 10	48
40VMW High Wall	05 - 30K			50
40VMV Vertical AHU	12 - 54K			52
40VMM Medium Static Ducted	07 - 48K			53
Light Commercial				
Model	Size	SEER	HSPF	Page
38MBR Outdoor Unit	36 - 58K	Up to 18.0	Up to 11.5	58
40MBCQ Cassette	36 - 48K			62
40MBDQ Ducted	36 - 58K			64
40MBFQ Console	36 - 58K			66
124ANS and 224ANS Outdoor Unit	18 - 60K	14.0	8.2	68
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SINGLE ZONE RESIDENTIAL



Inverter Compressor

Up to 42.0 SEER

Up to 15.0 HSPF

Sizes: 09 / 12 / 18 / 24

All Systems are ENERGY STAR® qualified



OUTDOOR FEATURES

- 100% heating capacity at 0°F (-17°C)
- 100% cooling capacity at -22°F (-30°C) without additional kit
- Up to 75% of heating capacity at -22°F (-30°C)
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 55 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 98 ft (30 m)
- Cooling operating range -22° ~ 122°F (-30° ~ 50°C)
- Heating operating range -22° ~ 86°F (-25° ~ 30°C)

COMPATIBLE WITH

- 619PHA High Wall

If maximum performance and efficiency are key, look no further than our Evolution® System heat pump. This ENERGY STAR® qualified ductless system comes with a 42 SEER rating when paired with the 619PHA High Wall – there's nothing more efficient¹! Even when temps drop to as low as -22° F outside, your interior environment stays cozy (when properly sized and matched with specific indoor units). Powerful yet quiet, our best ductless outdoor solution delivers results.



619PHA
Size: 09 / 12



619PHA
Size: 18 / 24

¹ According to system ratings maintained by AHRI as of January 22, 2018, in accordance with the AHRI Unitary Small Equipment Operations Manual. The 9,000 Btu/h single zone ductless has a 42 SEER Rating.

SPECIFICATIONS

38MPRA Outdoor Unit					
Heat Pump					
System					
Size		9	12	18	24
Outdoor Model		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	15	18	20
MOCP - Fuse Rating	A.	15	20	30	30
Operating Range					
Cooling Outdoor DB Min - Max	°F (°C)	-22~-122 (-30~50)	-22~-122 (-30~50)	-22~-122 (-30~50)	-22~-122 (-30~50)
Heating Outdoor DB Min - Max	°F (°C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping					
Total Piping Length	ft (m)	98 (30)	98 (30)	98 (30)	98 (30)
Piping Lift*	ft (m)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lbs (kg)	3.5 (1.58)	3.5 (1.58)	5.7 (2.6)	6.5 (2.95)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	33.27 (845)	33.27 (845)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	27.64 (702)	27.64 (702)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	14.29 (363)	14.29 (363)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	107.59 (48.8)	108.47(49.2)	135.4(61.4)	145.1(65.8)
Airflow (lowest to highest)	CFM	1,380	1,380	2,236	2,236
Sound Pressure (lowest to highest)	dB(A)	55.5	56.0	61.5	62.0

*Condensing unit above or below indoor unit.

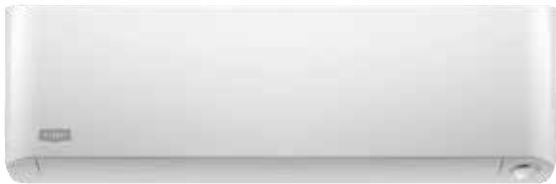
COMPATIBILITY

Indoor Unit		Outdoor Unit			
		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
High Wall	619PHAQ09XA3	•			
	619PHAQ12XA3		•		
	619PHAQ18XA3			•	
	619PHAQ24XA3				•

PERFORMANCE

High Wall					
Indoor Model		619PHAQ09XA3	619PHAQ12XA3	619PHAQ18XA3	619PHAQ24XA3
ENERGY STAR® Qualified		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.5	1.8
Cooling Rated Capacity	Btu/h	9,000	12,000	18,000	22,000
Cooling Cap. Range Min - Max	Btu/h	5,000~17,000	5,800~19,000	6,888~30,511	7,445~32,644
SEER		42.0	32.0	28.2	23.5
EER		15.0	13.5	14.5	13.65
Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	18,000	24,000
Heating Maximum Capacity (5°F)	Btu/h	13,000	13,800	18,000	24,000
Heating Cap. Range Min - Max	Btu/h	3,100-19,100	3,500-21,310	10,835~29,414	12,050~32,270
HSPF		15.0	14.0	14.0	12.0
COP (47°F)	W/W	4.00	4.24	4.12	3.89
COP (5°F)	W/W	2.00	2.00	2.00	2.00

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.



Sizes: 09 / 12

All Systems are ENERGY STAR® certified based on outdoor unit pairing



INDOOR FEATURES

- Available in 208/230V
- Relative Humidity Sensor
- Occupancy Sensor
- Up to 42.0 SEER and 15.0 HSPF when paired with 38MPRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully modulating fan speeds
- Sleep Mode
- Up-down / right-left louver control (fixed or swing)
- Relative Humidity Sensor
- ECO Mode
- Carbon filter
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 29 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MPRA Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone

KEY FEATURES

Relative Humidity Sensor

Increasing comfort by setting the desired relative humidity in 5% increments in a range of 35% ~ 85%.

Occupancy Sensor

Detects activity in the room and adjusts the horizontal angle of airflow to blow away from people or follow people.

Wi-Fi®

Built-in Wi-Fi® to control unit anywhere, anytime.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)



Optional Wired Controller
(7-Day Programmable)
KSACN0401AAA



Wireless
Remote Control

ACCESSORIES

24V Interface for compatibility with conventional thermostat KSAIC0301230

SPECIFICATIONS

619PHA High Wall				
Heat Pump				
System				
Size		9	12	
Indoor Model		619PHAQ09XA3	619PHAQ09XA3	
Electrical				
Voltage-Phase-Cycle		V-Ph-Hz	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA		A.	0.3	0.3
Operating Range				
Cooling Indoor DB Min - Max		°F (°C)	62~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max		°F (°C)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid		in (mm)	1/4 (6.35)	1/4 (6.35)
Pipe Connection Size - Suction		in (mm)	3/8 (9.52)	1/2 (12.7)
Indoor				
Unit Width		in (mm)	35.2 (895)	35.2 (895)
Unit Height		in (mm)	11.7 (298)	11.7 (298)
Unit Depth		in (mm)	9.8 (248)	9.8 (248)
Net Weight		lbs (kg)	37.48 (17)	37.48 (17)
Number of Fan Speeds			4	4
Airflow (lowest to highest)		CFM	144/245/295/345	168/252/306/357
Sound Pressure (lowest to highest)		dB(A)	29/35.5/41.5/45.6	29/35.5/41.5/46.8
Air Throw Data		ft (m)	21.98 (6.7)	22.97 (7)
Moisture Removal		Pint/h (L/h)	2.11 (1.0)	2.53 (1.2)
Field Drain Pipe Size O.D.		in (mm)	1 (25.4)	1 (25.4)

PERFORMANCE

Indoor Unit	619PHAQ09XA3	619PHAQ12XA3
Outdoor Unit Single Zone*	38MPRAQ09AA3	38MPRAQ12AA3
Outdoor Unit Multi-zone*	38MGRQ18B--3	
	38MGRQ24C--3	
	38MGRQ30D--3	
	38MGRQ36D--3	
	38MGRQ48E--3	

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.



Sizes: 18 / 24

All Systems are ENERGY STAR® qualified



INDOOR FEATURES

- Available in 208/230V
- Relative Humidity Sensor
- Up to 28.2 SEER and up to 14.0 HSPF when paired with 38MPRA outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully modulating fan speeds
- Sleep Mode
- Up-down / right-left louver control (fixed or swing)
- ECO Mode
- Carbon filter
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation
- Aluminum Golden Hydrophilic pre-coated fins

CONTROLS

- Built-in Wi-Fi® technology provides ability to control unit remotely
- Wireless Remote Controller included with indoor unit
- Optional Wired Remote Controller KSACN0401AAA (7-Day programmable)

ACCESSORIES

- Condensate Pump (230V optional)
- 24V Interface for compatibility with conventional thermostat KSAIC0301230

Today's lifestyles demand more than yesterday's technology. Ideal for large residential and light commercial applications, the Bryant® Evolution® 619PHA High Wall has an efficiency rating of up to 28 SEER when paired with the 38MPRA single zone. The 619PHA High Wall also features the technology to optimize the comfort of any home, such as built-in Wi-Fi® connectivity to enable remote system control or being compatible with third party thermostats, thanks to the 24V Interface. In addition, the high wall has a smart sensor technology that not only detects the temperature in the room but also the humidity level. With the use of the Wireless Controller, you can customize the humidity level to your preference.



Optional Wired Controller
(7-Day Programmable)
KSACN0401AAA



Wireless
Remote Control

COMPATIBLE WITH

- 38MPRA Outdoor Unit Single Zone

SPECIFICATIONS

619PHA High Wall			
Heat Pump			
System			
Size		18	24
Indoor Model		619PHAQ18XA3	619PHAQ24XA3
Electrical			
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit	
MCA	A.	0.5	0.5
Controls			
Wireless Remote Controller (°F/°C Convertible)	°F (°C)	Standard	Standard
Wired Remote Controller (°F/°C Convertible)	°F (°C)	Optional	Optional
Operating Range			
Cooling Indoor DB Min - Max	°F (°C)	62~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)
Piping			
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (15.9)	5/8 (15.9)
Indoor			
Unit Width	in (mm)	49.57 (1259)	49.57(1259)
Unit Height	in (mm)	14.25 (362)	14.25 (362)
Unit Depth	in (mm)	11.10 (282)	11.10 (282)
Net Weight	lbs (kg)	43.4(19.7)	43.4 (19.7)
Number of Fan Speeds		4	4
Airflow (lowest to highest)	CFM	261/389/528/926	359/470/583/926
Sound Pressure (lowest to highest)	dB(A)	35.1/40.8/46.1/55.9	36.1/43.3/46.4/56.5
Air Throw Data	ft (m)	28.80 (8.7)	31.66 (9.65)
Moisture Removal	Pint/h (L/h)	3.8 (1.8)	5.0 (2.39)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)

Performance may vary based on the compatible outdoor units. See respective pages for performance data.

COMPATIBILITY

Indoor Unit	619PHAQ18XA3	619PHAQ24XA3
Outdoor Unit Single Zone	38MPRAQ18AA3	38MPRAQ24AA3

Note: Indoor units sizes 18-24 not compatible with Multi-zone 38MGR due the size of the indoor unit coil.

Preferred™ Series



OUTDOOR FEATURES

- 100% heating capacity at 5°F (-15°C) sizes 9-24 (208/230V)
- Available in 115V and 208/230V
- Built-in basepan heater
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 82 ~ 164 ft (25~50 m)
- Cooling operating range -13° ~ 122°F (-25° ~ 50°C)
- Heating operating range -22° ~ 86°F (-30° ~ 30°C) sizes 09-24 (208/230V); -13° ~ 86°F (-25° ~ 30°C) sizes 09, 12 (115V) & 30, 36 (208/230V)

COMPATIBLE WITH

- 619P*B High Wall
- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Console
- FV4C Fan Coil
- FMA4 Fan Coil
- FMC/FMU Fan Coil



Heat Pump with Basepan Heater

Inverter Compressor

Up to 25.0 SEER

Up to 12.0 HSPF

Sizes: 09 / 12 / 18 / 24 / 30 / 36

Select sizes are ENERGY STAR® certified based on indoor unit pairing

KEY FEATURES

Extra Low Temperature Heating

For when it's cold outside, the heat output for this system is up to 69% of rated capacity down to -22°F (-30°C), making this a primary heat source and eliminating the need for a backup heat source.

Rapid Cooling and Heating

After start-up, the compressor quickly gets up to maximum speed to cool or heat the room in minutes.



40MBFQ Console
SIZES: 12



40MBFQ Console
SIZES: 18/24



FMX/FMU Fan Coil



40MBCQ Cassette
SIZES: 09/12/18



40MBCQ Cassette
SIZE: 24



FMA4X Fan Coil



FV4 Fan Coil

SPECIFICATIONS

38MA*R Outdoor Unit								
Heat Pump								
System								
Size		12	9	12	18	24	30	36
Outdoor Model		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Electrical								
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	15	9	9	18	20	20	25
MOCP - Fuse Rating	A.	20	15	15	25	30	30	35
Operating Range								
Cooling Outdoor DB Min - Max	°F (°C)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)
Heating Outdoor DB Min - Max	°F (°C)	-13~-86 (-25~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-13~-86 (-25~-30)	-13~-86 (-25~-30)
Piping								
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	164 (50)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	65 (20)	65 (20)	82 (25)	82 (25)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Refrigerant								
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	in (mm)	2.76 (1.25)	3.31 (1.5)	3.31 (1.5)	4.30 (1.95)	5.73 (2.60)	6.06 (2.75)	7.50 (3.40)
Compressor								
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor								
Unit Width	in (mm)	32.09 (815)	32.09 (815)	32.09 (815)	33.66 (855)	37.24 (946)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	21.81 (554)	21.81 (554)	21.81 (554)	27.63 (702)	31.89 (810)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	13.11 (333)	13.11 (333)	13.11 (333)	14.17 (360)	16.14 (410)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	82.9 (37.6)	91.5 (41.5)	91.5 (41.5)	118.2 (53.6)	145.5 (66)	139.8 (63.4)	147.3 (66.8)
Airflow	CFM	1,200	1,200	1,200	1,390	2,130	2,130	2,130
Sound Pressure	dB(A)	52.5	55.5	56.0	57.5	60.5	60.5	60.5

*Condensing unit above or below indoor unit.

Preferred™ Series

COMPATIBILITY

Indoor Unit		Outdoor Unit						
		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
High Wall	619PAQ012BBMA	•						
	619PEQ009BBMA		•					
	619PEQ012BBMA			•				
	619PEQ018BBMA				•			
	619PEQ024BBMA					•		
	619PEQ030BBMA						•	
	619PEQ036BBMA							•
Cassette	40MBCQ09---3		•					
	40MBCQ12---3			•				
	40MBCQ18---3				•			
	40MBCQ24---3					•		
	40MBCQ36---3							
	40MBCQ48---3							
Ducted	40MBDQ09---3		•					
	40MBDQ12---3			•				
	40MBDQ18---3				•			
	40MBDQ24---3					•		
	40MBDQ36---3							
	40MBDQ48---3							
Console	40MBFQ12---3			•				
	40MBFQ18---3				•			
	40MBFQ24---3					•		
	40MBFQ36---3							
	40MBFQ48---3							
	40MBFQ58---3							
Vertical Fan Coil	FMA4X1800AL			•	•			
	FMA4X2400AL					•		
	FMA4X3000AL						•	
	FMA4X3600AL							•
Horizontal Fan Coil	FM(C,U)4Z1800AL			•	•			
	FM(C,U)4Z2400AL					•		
	FM(C,U)4Z3000AL						•	
	FM(C,U)4Z3600AL							•
FV4 Fan Coil	FV4CNF002L			•	•	•		
	FV4CN(B,F)003L						•	•

Note: *Cassette, Ducted and Console indoor units sizes 36, 48 & 58 ONLY compatible with 38MBR Outdoor Unit

PERFORMANCE

619P*B High Wall								
Indoor Model		619PAQ012BBMA	619PEQ009BBMA	619PEQ012BBMA	619PEQ018BBMA	619PEQ024BBMA	619PEQ030BBMA	619PEQ036BBMA
Outdoor Model		38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
ENERGY STAR®		YES	YES	YES	YES	YES	NO	NO
Cooling System Tons		1.0	0.8	1.0	1.4	2.0	2.5	3.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	17,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	3,500~13,000	4,000~13,800	4,500~18,800	5,500~24,500	8,000~30,500	8,000~36,200
SEER		22.0	25.0	22.5	20.0	20.5	19.8	16.0
EER		13	14.5	13	12.5	13	11.5	8.6
Heating Rated Capacity (47°F)	Btu/h	12,000	10,900	12,000	18,000	24,000	30,000	36,000
Heating Rated Capacity (17°F)	Btu/h	7,600	6,900	7,800	10,800	15,400	18,500	21,000
Heating Maximum Capacity (17°F)	Btu/h	7,600	10,900	12,000	18,000	24,000	18,500	21,000
Heating Maximum Capacity (5°F)	Btu/h	6,490	10,900	12,000	18,000	24,000	16,380	16,380
Heating Maximum Capacity (-13°F)	Btu/h	3,800	9,020	9,020	16,520	16,520	14,320	14,320
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	4,500~14,500	5,000~15,500	5,500~24,000	6,000~32,000	9,000~34000	9,000~37,000
HSPF		10.2	11.2	12.0	10.3	11.5	9.4	8.5
COP (47°F)	W/W	3.40	3.80	3.56	3.14	3.10	2.60	2.56
COP (17°F)	W/W	2.60	2.74	2.64	2.64	2.64	2.16	2.12
COP (5°F)	W/W	2.03	2.12	2.12	1.75	1.88	2.20	1.50

PERFORMANCE

40MBCQ Cassette					
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
Outdoor Model		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	YES	NO
Cooling System Tons		0.8	1.0	1.3	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,500~11,000	4,000~13000	4,500~18,000	8,500-26,500
SEER		20.0	19.5	20.0	20.0
EER		13.0	12.5	12.5	11.0
Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17°F)	Btu/h	6,700	8,700	12,000	16,200
Heating Maximum Capacity (17°F)	Btu/h	9,000	12,000	18,000	24,000
Heating Maximum Capacity (5°F)	Btu/h	9,000	12,000	18,000	24,000
Heating Maximum Capacity (-13°F)	Btu/h	7,320	7,540	12,590	18,500
Heating Cap. Range Min - Max	Btu/h	4,500~11,500	5,000~13500	5,500~19,000	13,200-32,000
HSPF		10.8	10.6	10.5	11.5
COP (47°F)	W/W	3.30	3.67	3.43	3.46
COP (17°F)	W/W	2.37	2.40	2.55	2.73
COP (5°F)	W/W	1.83	1.84	2.07	1.88

PERFORMANCE

40MBDQ Ducted					
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Outdoor Model		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
Cooling Cap. Range Min - Max	Btu/h	3,500~12,000	4,000~12,900	4,500~18,000	5,500~24,500
SEER		23.0	20.5	19.6	20.5
EER		13.5	12.5	12.5	12.5
Heating Rated Capacity (47°F)	Btu/h	10,000	12,000	19,000	24,000
Heating Rated Capacity (17°F)	Btu/h	7,200	8,500	13,400	17,200
Heating Maximum Capacity (17°F)	Btu/h	10,000	13,000	20,200	25,400
Heating Maximum Capacity (5°F)	Btu/h	10,000	12,000	19,000	24,000
Heating Maximum Capacity (-13°F)	Btu/h	8,350	8,560	12,510	16,520
Heating Cap. Range Min - Max	Btu/h	4,000~15,000	4,500~15,700	5,500~19,000	6,000~26,000
HSPF		12.0	11.0	11.0	12.5
COP (47°F)	W/W	3.60	3.30	2.93	3.82
COP (17°F)	W/W	2.92	2.36	2.71	2.56
COP (5°F)	W/W	1.91	1.79	1.75	1.83

PERFORMANCE

40MBFQ Console				
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
Outdoor Model		38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
ENERGY STAR®		YES	YES	NO
Cooling System Tons		1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	6,830~19,800	8,000~28,150
SEER		19.4	19.9	20.0
EER		12.5	12.5	11.5
Heating Rated Capacity (47°F)	Btu/h	12,000	18,000	24,000
Heating Rated Capacity (17°F)	Btu/h	9,600	13,400	17,200
Heating Maximum Capacity (17°F)	Btu/h	12,000	21,500	26,600
Heating Maximum Capacity (5°F)	Btu/h	12,000	21,300	26,560
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	12,900~29,000	20,500~36,750
HSPF		10.5	10.6	11.5
COP (47°F)	W/W	3.17	3.48	3.52
COP (17°F)	W/W	2.49	2.38	2.82
COP (5°F)	W/W	1.76	1.77	1.81

PERFORMANCE

Vertical Fan Coil						
Outdoor Model		38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Indoor Model		FMA4X1800AL	FMA4X1800AL	FMA4X2400AL	FMA4X3000AL	FMA4X3600AL
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	1.4	1.9	2.4	2.8
Cooling Rated Capacity	Btu/h	11,800	17,200	23,000	29,200	34,000
Cooling Cap. Range Min - Max	Btu/h	6,400~17,000	8500~28,000	7,900~36,500	10,000~38,500	10,500~43,500
SEER		17.6	15.5	14.5	16.5	14.5
EER		12.25	10.9	11	11.3	9
Heating Rated Capacity (47°F)	Btu/h	12,200	17,800	24,000	30,200	37,000
Heating Rated Capacity (17°F)	Btu/h	7,600	10,800	15,800	21,200	22,200
Heating Maximum Capacity (17°F)	Btu/h	14,100	23,100	28,900	25,200	20,700
Heating Maximum Capacity (5°F)	Btu/h	9,900	17,800	28,700	22,400	19,900
Heating Cap. Range Min - Max	Btu/h	4,000~14,800	7,800~23,000	11,600~36,500	10,500~33,500	10,900~36,500
HSPF		9.7	9.8	9.5	11.0	8.7
COP (47°F)	W/W	4.10	4.00	3.80	3.00	3.30
COP (17°F)	W/W	2.65	2.50	2.75	2.75	1.75
COP (5°F)	W/W	2.17	2.10	2.30	2.55	1.98

PERFORMANCE

Horizontal Fan Coil						
Outdoor Model		38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Indoor Model		FM(C,U)4Z1800AL	FM(C,U)4Z1800AL	FM(C,U)4Z2400AL	FM(C,U)4Z3000AL	FM(C,U)4Z3600AL
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	1.5	1.9	2.4	2.9
Cooling Rated Capacity	Btu/h	11,800	17,600	23,000	28,600	35,000
Cooling Cap. Range Min - Max	Btu/h	5,000~18,000	7,000~29,000	9,300~37,000	9,600~38,500	8,700~46,000
SEER		18.4	19.0	20.0	18.0	16.0
EER		11.6	11	12.2	11.1	9
Heating Rated Capacity (47°F)	Btu/h	11,800	17,400	23,200	30,000	36,000
Heating Rated Capacity (17°F)	Btu/h	7,400	12,200	15,000	20,200	19,000
Heating Maximum Capacity (17°F)	Btu/h	14,000	23,700	28,400	24,400	26,500
Heating Maximum Capacity (5°F)	Btu/h	9,400	19,500	28,400	21,600	19,000
Heating Cap. Range Min - Max	Btu/h	4,100~15,500	9,000~24,000	9,300~35,000	9,000~39,000	10,800~36,500
HSPF		8.2	10.3	11.2	10.8	9.0
COP (47°F)	W/W	4.36	3.78	3.74	3.33	3.30
COP (17°F)	W/W	2.86	2.76	2..74	2.58	2.35
COP (5°F)	W/W	1.96	2.18	2.19	2.40	2.00

PERFORMANCE

FV4 Fan Coil						
Outdoor Model		38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Indoor Model		FV4CNF002L	FV4CNF002L	FV4CNF002L	FV4CN(B,F)003L	FV4CN(B,F)003L
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		0.9	1.5	1.9	2.4	2.9
Cooling Rated Capacity	Btu/h	11,200	17,800	23,000	28,800	34,600
Cooling Cap. Range Min - Max	Btu/h	5,900~17,090	9,200~27,650	8,400~33,670	10,800~27,650	11,600~40,610
SEER		18.0	18.0	17.0	17.5	15.5
EER		12.0	11.5	11.5	11.0	8.8
Heating Rated Capacity (47°F)	Btu/h	10,400	18,600	23,600	29,200	37,800
Heating Rated Capacity (17°F)	Btu/h	6,400	11,000	14,000	20,200	21,200
Heating Maximum Capacity (17°F)	Btu/h	16,440	18,600	23,910	23,910	25,710
Heating Maximum Capacity (5°F)	Btu/h	11,710	15,960	23,890	22,400	19,900
Heating Cap. Range Min - Max	Btu/h	3,700~17,800	7,500~20,300	11,900~32,580	9,300~33,500	12,200~36,500
HSPF		10.0	10.0	10.5	10.5	8.7
COP (47°F)	W/W	3.60	3.65	3.85	3.15	3.05
COP (17°F)	W/W	2.50	2.50	2.70	2.50	2.15
COP (5°F)	W/W	2.15	3.02	2.59	2.55	1.98

Preferred™ Series



Sizes: 09 / 12 / 18 / 24 / 30 / 36

Select sizes are ENERGY STAR® certified based on outdoor unit pairing

INDOOR FEATURES

- Available in 115V and 208/230V
- Up to 25.0 SEER and 12.0 HSPF when paired with the 38MA*R outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Four fan speeds
- Sleep Mode
- Up-down louver control (fixed or swing)
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 27 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MA*R Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone

KEY FEATURES

Follow Me

Built-in temperature sensor in the Remote Controller will sense its surrounding temperature and adjust the room temperature more accurately to provide comfort.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller
KSACN0101AAA (Timer Function)

Optional Wired Remote Controller
KSACN0401AAA (7-Day Programmable)



Wired Controller
(Timer Function)
KSACN0101AAA



Wired Controller
(7-Day Programmable)
KSACN0401AAA



Wireless Remote
Controller

ACCESSORIES

24V Interface for compatibility with conventional thermostat
KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0301AAA

SPECIFICATIONS

619P*B High Wall								
Heat Pump								
System								
Size		12	9	12	18	24	30	36
Indoor Model		619PAQ012BBMA	619PEQ009BBMA	619PEQ012BBMA	619PEQ018BBMA	619PEQ024BBMA	619PEQ030BBMA	619PEQ036BBMA
Electrical								
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit						
MCA	A.	0.4	0.2	0.2	0.27	0.4	0.4	0.4
Operating Range								
Cooling Outdoor DB Min - Max	°F (°C)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)
Heating Outdoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping								
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor								
Unit Width	in (mm)	32.87 (835)	32.87 (835)	32.87 (835)	38.98 (990)	46.69 (1186)	46.69 (1186)	46.69 (1186)
Unit Height	in (mm)	11.02 (280)	11.02 (280)	11.02 (280)	12.40 (315)	13.39 (343)	13.39 (343)	13.39 (343)
Unit Depth	in (mm)	7.80 (198)	7.80 (198)	7.80 (198)	8.58 (218)	10.16 (258)	10.16 (258)	10.16 (258)
Net Weight	lbs (kg)	19.18 (8.7)	19.18 (8.7)	19.18 (8.7)	26.46 (12.0)	40.12 (18.2)	40.12 (18.2)	40.12 (18.2)
Number of Fan Speeds		4	4	4	4	4	4	4
Airflow (lowest to highest)	CFM	210/300/360/380	210/290/360/380	210/300/360/380	310/450/650/680	520/620/780/870	520/620/780/870	520/620/780/870
Sound Pressure (lowest to highest)	dB(A)	27/34/42	27/34/42	27/34/42	33/40/46	39/45/50	39/45/50	39/45/50
Air Throw Data	ft (m)	23 (7)	23 (7)	23 (7)	30 (9)	36 (11)	36 (11)	36 (11)
Moisture Removal	Pint/h (L/h)	2.8 (1.3)	1.1 (0.5)	2.3 (1.1)	3.8 (1.8)	5.4 (2.6)	8.1 (3.9)	11.7 (5.6)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

COMPATIBILITY

Indoor Unit	619PAQ012BBMA	619PEQ009BBMA	619PEQ012BBMA	619PEQ018BBMA	619PEQ024BBMA	619PEQ030BBMA	619PEQ036BBMA
Outdoor Unit Single Zone*	38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Outdoor Unit Multi-zone*		38MGRQ18B--3					
		38MGRQ24C--3					
		38MGRQ30D--3					
		38MGRQ36D--3					
		38MGRQ48E--3					

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

Preferred™ Series



Sizes: 09 / 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing

INDOOR FEATURES

- Available in 208/230V
- Up to 20.0 SEER and 10.5 HSPF when paired with the 38MA*R outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 34 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Grille/ceiling panel 2' x 2' sizes 09 to 18 40MBCQ01XXX3
- Grille/ceiling panel 3' x 3' size 24 P/N 40MBCQ02XXX3

COMPATIBLE WITH

- 38MA*R Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone

KEY FEATURES

Built-in Condensate Lift Pump

Supplied with a condensate lift pump capable of lifting water (maximum amount 29.5 in (750 mm)) above the top of the unit.

Integrated Electrical Components

Easy maintenance with the circuit box inside the unit, provides a more compact size for easier installation.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable)



Wired Controller
(Timer Function)
KSACN0101AAA



Wired Controller
(7-Day Programmable)
KSACN0501AAA



Wireless Remote
Controller

ACCESSORIES

24V Interface for compatibility with conventional thermostat KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0401AAA

NOTE: Grille is required; sold separately.
Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

SPECIFICATIONS

40MBCQ Cassette					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit			
MCA	A.	0.2	0.2	0.2	0.3
Operating Range					
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor					
Body Unit Width	in (mm)	22.44 (570)	22.44 (570)	22.44 (570)	33.07 (840)
Body Unit Height	in (mm)	10.24 (260)	10.24 (260)	10.24 (260)	8.07 (205)
Body Unit Depth	in (mm)	22.44 (570)	22.44 (570)	22.44 (570)	33.07 (840)
Body Net Weight	lbs (kg)	35.27 (16)	35.27 (16)	39.68 (18)	46.3 (21)
Panel Unit Width		25.47 (647)	25.47 (647)	25.47 (647)	37.4 (950)
Panel Unit Height	in (mm)	1.97 (50)	1.97 (50)	1.97 (50)	2.17 (55)
Panel Unit Depth	in (mm)	25.47 (647)	25.47 (647)	25.47 (647)	37.4 (950)
Panel Net Weight	lbs (kg)	5.51 (2.5)	5.51 (2.5)	5.51 (2.5)	11.02 (5)
Number of Fan Speeds		3	3	3	3
Airflow (lowest to highest)	CFM	260/320/380	280/340/400	290/350/420	625/761/878
Sound Pressure (lowest to highest)	dB(A)	34/39/44	36/39/42	46/48/50	47/50/52
Air Throw Data	ft (m)	23 (7)	23 (7)	30 (9)	30 (9)
Moisture Removal	Pint/h (L/h)	1.58 (0.75)	2.88 (1.366)	4.26 (2.02)	5.22 (2.47)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
Outdoor Unit Single Zone*	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
Outdoor Unit Multi-zone*	38MGRQ18B--3			
	38MGRQ24C--3			
	38MGRQ30D--3			
	38MGRQ36D--3			
	38MGRQ48E--3			

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.
For sizes 36 to 48 refer to the Light Commercial section; Backward compatible with 38MAQ Single Zone and 38MGQ Multi-zone Systems.

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

Preferred™ Series



Sizes: 09 / 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing

INDOOR FEATURES

- Available in 208/230V
- Up to 23.0 SEER and 12.5 HSPF when paired with the 38MA*R outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical or horizontal installation
- Up to 0.64 in WG
- Rear or bottom return
- Constant CFM operation
- Built-in condensate lift pump
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 30 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MA*R Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone

KEY FEATURES

Vertical or Horizontal Installation

Designed for maximum installation flexibility with the built-in secondary drain pan which allows the unit to be mounted vertically for either a floor or ceiling-concealed installation, depending on existing conditions.

Built-in Condensate Lift Pump

Supplied with a condensate lift pump capable of lifting water (maximum amount 29.5 in (750 mm)) above the top of the unit.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Wired Remote Controller KSACN0501AAA (7-Day Programmable) included with indoor unit



Wired Controller (Timer Function) KSACN0101AAA



Wired Controller (7-Day Programmable) KSACN0501AAA



Wireless Remote Controller

ACCESSORIES

24V Interface for compatibility with conventional thermostat KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0401AAA

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

SPECIFICATIONS

40MBDQ Ducted					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit			
MCA	A.	1.11	1.11	1.2	1.2
Operating Range					
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor					
Unit Width	in (mm)	27.56 (700)	27.56 (700)	34.65 (880)	43.31 (1100)
Unit Height	in (mm)	7.87 (200)	7.87 (200)	8.27 (210)	9.8 (249)
Unit Depth	in (mm)	19.92 (506)	19.92 (506)	26.54 (674)	30.47 (774)
Net Weight	lbs (kg)	43.56 (19.8)	43.56 (19.8)	54 (24.5)	86.86 (39.4)
Number of Fan Speeds		3	3	3	3
Airflow (lowest to highest)	CFM	147/211/264	176/282/353	300/400/480	440/700/780
Sound Pressure (lowest to highest)	dB(A)	30/34/38	35/37/39	35/37/39	35.5/40/44
Max Static Pressure	in (WG)	0.20	0.20	0.40	0.64
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Outdoor Unit Single Zone*	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
Outdoor Unit Multi-zone*	38MGRQ18B--3			
	38MGRQ24C--3			
	38MGRQ30D--3			
	38MGRQ36D--3			
	38MGRQ48E--3			

*Performance may vary based on the compatible outdoor units. See respective pages for performance data. For sizes 36 to 58 refer to the Light Commercial section; Backward compatible with 38MAQ Single Zone and 38MGQ Multi-zone Systems.

Preferred™ Series



OUTDOOR FEATURES

- Available in 208/230V
- Up to 20.0 SEER and 11.6 HSPF when paired with the 38MA*R outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Size 12 capable of being mounted on floor only
- Sizes 18-24 capable of being mounted on floor or ceiling
- Louver control (fixed or swing)
- Three fan speeds
- Air discharge from top and bottom (size 12 only)
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 34 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MA*R Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone

Sizes: 12 / 18 / 24

Select sizes are ENERGY STAR® certified based on outdoor unit pairing

KEY FEATURES

Optional 2-Way Air Outlet

For up and down air-outlet or up air-outlet on size 12 only.

Outside Air Intake

Outside air can be brought into the room through the connection available on the indoor unit which helps meet the ventilation requirement, only on sizes 18-24.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable) size 12

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable) sizes 18 and 24



Wired Controller
(Timer Function)
KSACN0101AAA



Wired Controller
(7-Day Programmable)
KSACN0401AAA &
KSACN0501AAA



Wireless
Remote Controller

ACCESSORIES

Wi-Fi® smartphone control kit (sizes 18-24 only*) KSAIF0401AAA

24V Interface for compatibility with conventional thermostat KSAIC0301230

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
*Not available for size 12.



SPECIFICATIONS

40MBFQ Console				
Heat Pump				
System				
Size		12	18	24
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	0.29	1.0	1.0
Operating Range				
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	62~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor				
Unit Width	in (mm)	27.56 (700)	42.05 (1,068)	42.05 (1,068)
Unit Height	in (mm)	23.62 (600)	26.57 (675)	26.57 (675)
Unit Depth	in (mm)	8.27 (210)	9.25 (235)	9.25 (235)
Net Weight	lbs (kg)	32.41 (14.7)	55.12 (25)	58.42 (26.5)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	CFM	220/250/280	420/485/550	600/710/760
Sound Pressure (lowest to highest)	dB(A)	34/41/45	39/44/47	46/50/52
Air Throw Data	ft (m)	23 (7)	26 (8)	26 (8)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
Outdoor Unit Single Zone*	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
Outdoor Unit Multi-zone*	38MGRQ18B--3		
	38MGRQ24C--3		
	38MGRQ30D--3		
	38MGRQ36D--3		
	38MGRQ48E--3		

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

Legacy™ Line



OUTDOOR FEATURES

- Cost-competitive
- Available in 115V and 208/230V
- Auto-restart function
- Built-in basepan heater on heat pump units
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 52 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 82~164 ft (25-50 m)
- Cooling operating range 0° ~ 122°F (-17° ~ 50°C)
- Heating operating range 0° ~ 86°F (-17° ~ 30°C)

COMPATIBLE WITH

- 40MHHC High Wall Cooling Only
- 40MHHQ High Wall Heat Pump

Cooling Only – 38MHRBC
Heat Pump – 38MHRBQ with Basepan Heater

Inverter Compressor

Up to 19.8 SEER

10.6 HSPF

Sizes: 09 / 12 / 18 / 24

KEY FEATURES

Cost-Effective

An economical choice that can provide comfort when you need it.

Rapid Cooling and Heating

After start-up, the compressor quickly gets up to maximum speed, cooling or heating the room in minutes.

SPECIFICATIONS

38MHRBQ Outdoor Unit						
Heat Pump System						
Size		12	9	12	18	24
Outdoor Model		38MHRBQ12AA1	38MHRBQ09AA3	338MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	8	10	15	18
MOCP - Fuse Rating	A.	20	15	15	20	25
Operating Range						
Cooling Outdoor DB Min - Max	°F (°C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Heating Outdoor DB Min - Max	°F (°C)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)
Piping						
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	33 (10)	33 (10)	33 (10)	66 (20)	66 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	2.12 (0.96)	1.76 (0.80)	2.12 (0.96)	2.82 (1.28)	3.97 (1.80)
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	30.31 (770)	30.31 (770)	30.31 (770)	31.50 (800)	33.27 (845)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	21.81 (554)	27.64 (702)
Unit Depth	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	13.11 (333)	14.29 (363)
Net Weight	lbs (kg)	69 (31.3)	63 (28.6)	65.5 (29.7)	79.6 (36.1)	114.2 (51.8)
Airflow	CFM	1,170	1,170	1,170	1,170	1,765
Sound Pressure	dB(A)	54.5	57.2	57.4	57.0	60.2

*Condensing unit above or below indoor units.

COMPATIBILITY

Indoor Unit		Outdoor Unit				
		38MHRBQ12AA1	38MHRBQ09AA3	38MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
40MHHQ High Wall	40MHHQ12---1	•				
	40MHHQ09---3		•			
	40MHHQ12---3			•		
	40MHHQ18---3				•	
	40MHHQ24---3					•

PERFORMANCE

40MHHQ High Wall						
Heat Pump						
Indoor Unit		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	0.75	1.0	1.5	2.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	18,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,700~13,000	3,400~10,500	3,700~13,000	5,500~19,000	8,987~26,585
SEER		19.8	18.5	19.8	19.0	17.3
EER		10	11.2	11.2	11.2	9.7
Heating Rated Capacity (47°F)	Btu/h	12,000	9,800	12,000	18,000	24,800
Heating Rated Capacity (17°F)	Btu/h	8,000	7,500	9,230	11,600	18,000
Heating Maximum Capacity (17°F)	Btu/h	8,200	7,850	9,500	11,800	18,300
Heating Maximum Capacity (5°F)	Btu/h	9,000	6,070	8,880	10,150	16,760
Heating Cap. Range Min - Max	Btu/h	3,500~13,500	2,800~11,500	3,500~13,500	6,200~19,000	8,371~25,350
HSPF		10.6	10.0	9.6	10.6	9.6
COP (47°F)	W/W	2.93	3.27	3.22	3.26	3.13
COP (17°F)	W/W	2.58	2.58	2.64	2.64	2.49
COP (5°F)	W/W	1.60	1.60	1.60	1.50	1.40

PERFORMANCE

40MHHC High Wall					
Cooling Only					
Indoor Unit		40MHHC12---1	40MHHC12---3	40MHHC18---3	40MHHC24---3
ENERGY STAR®		NO	NO	NO	NO
Cooling System Tons		1.0	1.0	1.4	1.8
Cooling Rated Capacity	Btu/h	12,000	11,500	17,000	22,000
Cooling Cap. Range Min - Max	Btu/h	4,800~13,200	4,800~13,000	5,800~18,600	4,900~24,100
SEER		17.3	19.0	19.0	18.5
EER		10.7	11.2	10.3	11.1

SPECIFICATIONS

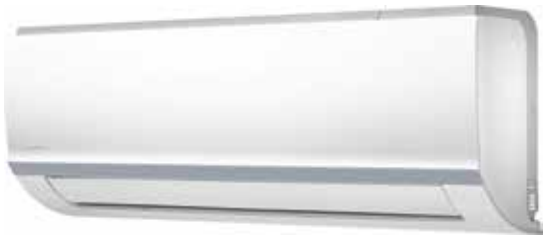
38MHRBC Outdoor Unit					
Cooling Only					
System					
Size		12	12	18	24
Outdoor Model		38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	11	15	18
MOCP - Fuse Rating	A.	20	15	20	25
Operating Range					
Cooling Outdoor DB Min - Max	°F (°C)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)	0~122 (-17~50)
Piping					
Total Piping Length	ft (m)	82 (25)	82 (25)	98 (30)	164 (50)
Piping Lift*	ft (m)	33 (10)	33 (10)	66 (20)	66 (20)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant					
Type		R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.30 (0.59)	1.17 (0.53)	1.98 (0.90)	2.56 (1.16)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	30.31 (770)	30.31 (770)	30.31 (770)	33.27 (845)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	27.64 (702)
Unit Depth	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	14.29 (363)
Net Weight	lbs (kg)	57.8 (26.2)	53.8 (24.4)	65.9 (29.9)	88.6 (40.2)
Airflow	CFM	1,170	1,230	1,195	1,825
Sound Pressure	dB(A)	52.0	53.6	55.3	58.0

*Condensing unit above or below indoor units.

COMPATIBILITY

Indoor Unit		Outdoor Unit			
		38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
40MHHC High Wall	40MHHC12---1	•			
	40MHHC12---3		•		
	40MHHC18---3			•	
	40MHHC24---3				•

Legacy™ Line



INDOOR FEATURES

- Available in 115V and 208/230V
- Up to 19.8 SEER and 10.6 HSPF when paired with 38MHRB outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Up-down louver control (fixed or swing)
- Remove filter from the top
- Improved serviceability
- Four fan speeds
- Sleep Mode
- Follow Me (senses temperature at handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 28 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MHRB Outdoor Unit Single Zone
- 38MGR Outdoor Unit Multi-zone (40MHHQ Heat Pump only)

Cooling Only – 40MHHC

Heat Pump – 40MHHQ

Sizes: 09 / 12 / 18 / 24

KEY FEATURES

Improved Serviceability

Full access to the terminal connections and fan after lifting the front cover of the High Wall for easy installation and service.

Convenient Filter Removal

The filter is located on the inlet, allowing the direct removal from the top of the unit without opening the cover.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0401AAA

ACCESSORIES

24V Interface for compatibility with conventional thermostat KSAIC0301230

Wi-Fi® smartphone control kit size 09 / 12 / 24 KSAIF0101AAA

Wi-Fi® smartphone control kit size 18 KSAIF0201AAA

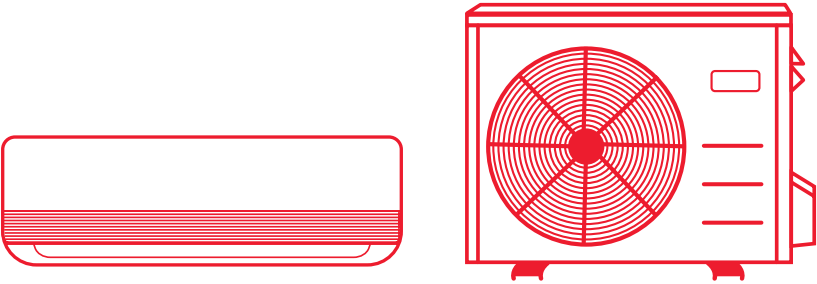
SPECIFICATIONS

40MHHC High Wall					
Cooling Only					
System					
Size		12	12	18	24
Indoor Model		40MHHC12---1	40MHHC12---3	40MHHC18---3	40MHHC24---3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit			
MCA	A.	0.3	0.25	0.4	0.45
Operating Range					
Cooling indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor					
Unit Width	in (mm)	32.00 (813)	32.00 (813)	38.36 (974)	43.83 (1,113)
Unit Height	in (mm)	11.81 (300)	11.81 (300)	12.8 (325)	13.41 (341)
Unit Depth	in (mm)	7.75 (197)	7.75 (197)	8.87 (225)	9.22 (234)
Net Weight	lbs (kg)	17.64 (8)	17.64 (8)	23.15 (10.5)	30.86 (14)
Number of Fan Speeds		4	4	4	4
Airflow (lowest to highest)	CFM	190/239/301/328	188/238/305	344/422/506/550	420/514/609/640
Sound Pressure (lowest to highest)	dB(A)	29/36/41/42	28/35/40/42	34/39/43/45	39/44/49/49
Air Throw Data	ft (m)	22 (6.7)	22 (6.7)	24 (7.3)	39.4 (12)
Moisture Removal	Pint/h (L/h)	3.17 (1.50)	3.09 (1.46)	4.61 (2.18)	6.38 (3.02)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

Legacy™ Line

SPECIFICATIONS

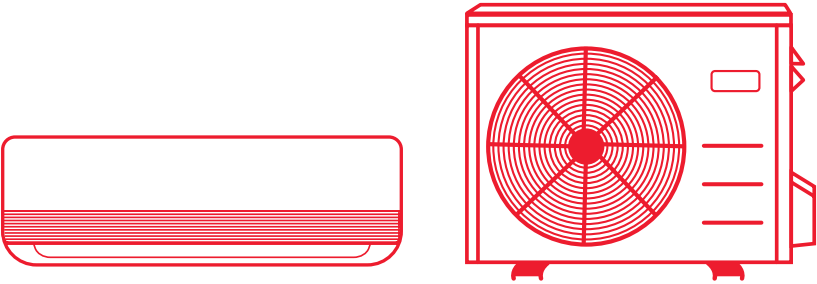
40MHHQ High Wall						
Heat Pump						
System						
Size		12	9	12	18	24
Indoor Model		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply						
Indoor unit powered from outdoor unit						
MCA	A.	0.3	0.25	0.25	0.28	0.45
Operating Range						
Cooling indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping						
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor						
Unit Width	in (mm)	32.00 (813)	28.53 (725)	32.00 (813)	38.36 (974)	43.83 (1,113)
Unit Height	in (mm)	11.81 (300)	11.81 (300)	11.81 (300)	12.8 (325)	13.41 (341)
Unit Depth	in (mm)	7.75 (197)	7.75 (197)	7.75 (197)	8.87 (225)	9.22 (234)
Net Weight	lbs (kg)	22.49 (10.2)	21.16 (9.6)	22.49 (10.2)	31.97 (14.5)	40.12 (18.2)
Number of Fan Speeds		4	4	4	4	4
Airflow (lowest to highest)	CFM	200/265/306/329	165/229/271/324	212/282/324/353	353/412/529/559	353/483/589/647
Sound Pressure (lowest to highest)	dB(A)	29/38/42/42	31/36/40/42	34/39/41/43	34/39/44/46	38/42/48/49
Air Throw Data	ft (m)	22 (6.7)	20.3 (6.2)	22.6 (6.9)	25 (7.6)	37.7 (11.5)
Moisture Removal	Pint/h (L/h)	3.49 (1.65)	2.05 (0.97)	3.38 (1.6)	4.63 (2.19)	5.73 (2.71)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)



COMPATIBILITY

Cooling Only				
Indoor Unit	40MHHC12---1	40MHHC12---3	40MHHC18---3	40MHHC24---3
Outdoor Unit Single Zone*	38MHRBC12AA1	38MHRBC12AA3	38MHRBC18AA3	38MHRBC24AA3
Outdoor Unit Multi-zone*				

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.



COMPATIBILITY

Heat Pump					
Indoor Unit	40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
Outdoor Unit Single Zone*	38MHRBQ12AA1	38MHRBQ09AA3	38MHRBQ12AA3	38MHRBQ18AA3	38MHRBQ24AA3
Outdoor Unit Multi-zone*		38MGRQ18B--3			
		38MGRQ24C--3			
		38MGRQ30D--3			
		38MGRQ36D--3			
		38MGRQ48E--3			

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.



MULTI-ZONE



OUTDOOR FEATURES

- 100% Heating capacity at 5°F (-15°C) sizes 24-36
- Available in 208/230V
- Connect 2~5, multiple style indoor units
- Built-in basepan heater
- Quiet outdoor operation, as low 62 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Total piping length 131~328 ft (40~100 m)
- Vertical lift/drop piping length 49~65 ft (15~20 m)
- Cooling operating range -13° ~ 122°F (-25° ~ 50°C)
- Heating operating range -22° ~ 86°F (-30° ~ 30°C)

COMPATIBLE WITH

- 619PHA High Wall
- 619P*B High Wall
- 40MHHQ High Wall
- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Console



Heat Pump with Basepan Heater

Inverter Compressor
Up to 23.8 SEER
Up to 11.5 HSPF

Sizes: 18 / 24 / 30 / 36 / 48

Select systems are ENERGY STAR® certified based on indoor combinations

KEY FEATURES

Space Saving Installation

Up to five indoor units can be connected to a single outdoor unit, reducing the number of outdoor units. All indoor units can be individually controlled and do not need to be installed at the same time.

Multiple Indoor Unit Styles

Flexibility and options of indoor unit styles to fit any application or need.

SPECIFICATIONS

38MGR Outdoor Unit						
Heat Pump						
System						
Size		18	24	30	36	48
Outdoor Model		38MGRQ18B--3	38MGRQ24C--3	38MGRQ30D--3	38MGRQ36D--3	38MGRQ48E--3
Max Number of Zones		2	3	4	4	5
Performance Non-Ducted						
ENERGY STAR®		YES	YES	YES	YES	YES
Cooling System Tons		1.5	2.0	2.5	3.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	5,810~21,940	7,880~33,510	8,090~41,470	8,560~45,020	8,560~53,160
SEER		22.5	23.0	23.8	21.5	22.4
EER		12.5	12.5	12.5	13.5	12.5
Heating Rated Capacity (47°F)	Btu/h	19,000	24,000	28,000	36,000	48,000
Heating Maximum Capacity (5°F)	Btu/h	14,400	24,450	29,230	36,600	37,290
Heating Cap. Range Min - Max	Btu/h	5,760~24,480	6,010~36,180	6,350~41,950	7,210~50,350	7,210~55,820
HSPF		10.3	10.3	10.0	10.5	10.2
COP (47°F)	W/W	3.6	3.9	3.8	3.8	3.6
COP (5°F)	W/W	2.2	2.1	2.0	1.8	2.0
Performance Combination Ducted and Non-Ducted						
ENERGY STAR®		NO	YES	NO	NO	NO
Cooling System Tons		1.5	2.0	2.5	3.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	48,500
Cooling Cap. Range Min - Max	Btu/h	5,795~20,708	7,765~31,955	8,060~39,990	8,510~42,635	8,510~52,580
SEER		20.50	22.00	22.40	20.25	21.45
EER		12.15	11.75	11.25	12.40	11.30
Heating Rated Capacity (47°F)	Btu/h	18,700	24,000	29,000	36,400	49,000
Heating Maximum Capacity (5°F)	Btu/h	14,565	24,150	28,615	36,065	37,045
Heating Cap. Range Min - Max	Btu/h	5,650~24,365	5,980~36,190	6,275~42,305	7,045~47,800	7,045~54,935
HSPF		10.15	10.15	10.00	10.75	10.85
COP (47°F)	W/W	3.7	3.9	3.7	3.7	3.5
COP (5°F)	W/W	2.1	2.0	2.0	1.8	1.9
Performance Ducted						
ENERGY STAR®		NO	YES	NO	NO	NO
Cooling System Tons		1.5	2.0	2.5	3.0	4.1
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	49,000
Cooling Cap. Range Min - Max	Btu/h	5,780~19,476	7,650~30,400	8,030~38,510	8,460~40,250	8,460~52,000
SEER		18.5	21.0	21.0	19.0	20.5
EER		11.8	11.0	10.0	11.3	10.1
Heating Rated Capacity (47°F)	Btu/h	18,500	24,000	30,000	37,000	50,000
Heating Maximum Capacity (5°F)	Btu/h	14,730	23,850	28,000	35,470	36,800
Heating Cap. Range Min - Max	Btu/h	5,539~24,249	5,950~36,200	6,200~42,660	6,880~45,250	6,880~54,050
HSPF		10.0	10.0	10.0	11.0	11.5
COP (47°F)	W/W	3.8	3.8	3.6	3.6	3.4
COP (5°F)	W/W	2.1	2.0	2.0	1.7	1.8
Operating Range						
Cooling Outdoor DB Min - Max	°F (°C)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	°F (°C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping						
Total Piping Length	ft (m)	131 (40)	197 (60)	263 (80)	328 (100)	328 (100)
Piping to furthest FCU	ft (m)	82 (25)	98 (30)	115 (35)	115 (35)	115 (35)
Drop (OD above ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Lift (OD below ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4*2 (6.35*2)	1/4*3 (6.35*3)	1/4*4 (6.35*4)	1/4*4 (6.35*4)	1/4*5 (6.35*5)
Pipe Connection Size - Suction	in (mm)	3/8*2 (9.52*2)	3/8*3 (9.52*3)	1/2 *1+ 3/8*3 (12.7*1+9.52*3)	1/2 *2+ 3/8*2 (12.7*2+9.52*2)	1/2 *2+ 3/8*3 (12.7*2+9.52*3)

SPECIFICATIONS

38MGR Outdoor Unit						
Heat Pump						
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	4.41 (2.0)	6.17 (2.8)	6.61 (3.0)	10.13 (4.6)	10.13 (4.6)
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit				
MCA	A.	18	25	30	35	35
MOCP - Fuse Rating	A.	25	35	45	50	50
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	37.31 (948)	41.22 (1,047)	41.22 (1,047)	41.15 (1,045)	41.15 (1,045)
Unit Height	in (mm)	27.64 (702)	31.88 (810)	31.88 (810)	52.48 (1,333)	52.48 (1,333)
Unit Depth	in (mm)	14.82 (376)	17.91 (455)	17.91 (455)	17.63 (448)	17.63 (448)
Net Weight	lbs (kg)	105.8 (48)	149.9 (68)	156.5 (71)	221.6 (100.5)	223.8 (101.5)
Airflow	CFM	1,390	2,130	2,130	4,500	4,500
Sound Pressure	dB(A)	62	63	62	64	64

COMPATIBILITY

Indoor Unit		Outdoor Unit				
		38MGRQ18B--3	38MGRQ24C--3	38MGRQ30D--3	38MGRQ36D--3	38MGRQ48E--3
619PHA High Wall	619PHAQ09XA3	•	•	•	•	•
	619PHAQ12XA3	•	•	•	•	•
	619PHAQ18XA3					
	619PHAQ24XA3					
619P*B High Wall	619PEQ009BBMA	•	•	•	•	•
	619PEQ012BBMA	•	•	•	•	•
	619PEQ018BBMA		•	•	•	•
	619PEQ024BBMA			•	•	•
40MHHQ High Wall	40MHHQ09---3	•	•	•	•	•
	40MHHQ12---3	•	•	•	•	•
	40MHHQ18---3		•	•	•	•
	40MHHQ24---3			•	•	•
40MBCQ Cassette	40MBCQ09---3	•	•	•	•	•
	40MBCQ12---3	•	•	•	•	•
	40MBCQ18---3		•	•	•	•
	40MBCQ24---3			•	•	•
40MBDQ Ducted	40MBDQ09---3	•	•	•	•	•
	40MBDQ12---3	•	•	•	•	•
	40MBDQ18---3		•	•	•	•
	40MBDQ24---3			•	•	•
40MBFQ Console	40MBFQ12---3	•	•	•	•	•
	40MBFQ18---3		•	•	•	•
	40MBFQ24---3			•	•	•

Indoor units 619PHA sizes 18-24 not compatible with multi-zone 38MGR due to size of the indoor unit coil.

COMBINATION CHART

38MGR Outdoor Unit				
Outdoor Unit Model	2-Zone	3-Zone	4-Zone	5-Zone
38MGRQ18B--3	9+9			
	9+12			
	12+12			
38MGRQ24C--3	9+9	9+9+9		
	9+12	9+9+12		
	9+18	9+9+18		
	12+12	9+12+12		
	12+18	12+12+12		
	18+18			
38MGRQ30D--3	9+9	9+9+9	9+9+9+9	
	9+12	9+9+12	9+9+9+12	
	9+18	9+9+18	9+9+9+18	
	9+24	9+9+24	9+9+12+12	
	12+12	9+12+12	9+9+12+18	
	12+18	9+12+18	9+12+12+12	
		9+12+24		
	12+24	9+18+18	12+12+12+12	
	18+18	12+12+12		
		12+12+18		
		12+18+18		
		12+12+24		
	9+18	9+9+9	9+9+9+9	
	9+24	9+9+12	9+9+9+12	
38MGRQ36D--3	12+12	9+9+18	9+9+9+18	
	12+18	9+9+24	9+9+9+24	
	12+24	9+12+12	9+9+12+12	
	18+18	9+12+18	9+9+12+18	
	18+24	9+12+24	9+9+12+24	
	24+24	9+18+18	9+9+18+18	
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		12+12+24	9+12+18+18	
		12+18+18	9+18+18+18	
		12+18+24	12+12+12+12	
		12+24+24	12+12+12+18	
38MGRQ48E--3		18+18+18	12+12+12+24	
		18+18+24	12+12+18+18	
	9+18	9+9+9	9+9+9+9	9+9+9+9+9
	9+24	9+9+12	9+9+9+12	9+9+9+9+12
	12+12	9+9+18	9+9+9+18	9+9+9+9+18
	12+18	9+9+24	9+9+9+24	9+9+9+9+24
	12+24	9+12+12	9+9+12+12	9+9+9+12+12
	18+18	9+12+18	9+9+12+18	9+9+9+12+18
	18+24	9+12+24	9+9+12+24	9+9+9+18+18
	24+24	9+18+18	9+9+18+18	9+9+12+12+12
		9+18+24	9+9+18+24	9+9+12+12+18
		9+24+24	9+12+12+12	9+12+12+12+12
		12+12+12	9+12+12+18	9+12+12+12+18
		12+12+18	9+12+12+24	12+12+12+12+12
		12+12+24	9+12+18+18	
		12+18+18	9+18+18+18	
		12+18+24	12+12+12+12	
		12+24+24	12+12+12+18	
		18+18+18	12+12+12+24	
		18+18+24	12+12+18+18	

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.



VRF Heat Pump

Inverter-driven Compressor

Up to 18.6 SEER

Up to 10.0 HSPF

Sizes: 3, 4 and 5 tons

OUTDOOR FEATURES

- Available in 3, 4 and 5-ton capacity range
- 208/230V-1-60Hz power supply
- Ability to connect up to 9 indoor units on a 5-ton system
- High performance outdoor unit with inverter-driven scroll compressor
- Cooling operating range: 5° F to 118° F
- Heating operating range: -13 F° to 64° F
- Maximum capacity of combined indoor units 50% to 130%
- Quiet outdoor operation, as low as 58.7 dB(A) for the 3-ton system

COMPATIBLE WITH

- 40VMW High Wall Unit
- 40VMC Compact 4-Way Cassette
- 40VMF 4-Way Cassette
- 40VML Low Static Ducted (Slim Profile)
- 40VMM Medium Static Ducted
- 40VMR Floor Console (Recessed)
- 40 VMU Underceiling Unit – Floor Console (Exposed)
- 40VMV Air Handling Indoor Unit
- 40VMH High Static Ducted (sizes 72 and 96 are not compatible)

KEY FEATURES

The inverter-driven, 38 VMH VRF outdoor unit varies refrigerant flow to intelligently match system operation to current conditions. This system delivers the efficiency, flexibility and control of VRF, but in a smaller capacity package and with a lower power requirement. It is ideal for light commercial or large residential applications.

For more information about Bryant VRF offerings, please reference the Bryant VRF catalog available on HVACpartners.com or see your Bryant distributor.

SPECIFICATIONS

38VMH Outdoor Unit							
Heat Pump							
Outdoor unit model name				38VMA036HDS3-1	38VMA048HDS3-1	38VMA060HDS3-1	
Nominal tons			Ton	3	4	5	
Cooling capacity ¹ (with non-ducted indoor units/ ducted)	Nominal		kBtu/h	36	48	60	
	Rated		kBtu/h	36	48	60	
Heating capacity ¹ (with non-ducted indoor units/ ducted)	Nominal		kBtu/h	40	52.5	66	
	Rated		kBtu/h	40	52.5	66	
With non-ducted indoor units	Power supply ²			208/230V, 1-Phase, 60Hz			
	Cooling	Power consumption		kW	3.1	4.6	6.1
		SEER (Seasonal Energy Efficiency Ratio)		Btu/W	18.0	18.0	18.6
	Heating	Power consumption		kW	3.1	4.3	5.8
		HSPF (Heating Seasonal Performance Factor)		Btu/W	9.2	9.2	9.6
With ducted indoor units	Power supply ²			208/230V, 1-Phase, 60Hz			
	Cooling	Power consumption		kW	2.9	4.7	6.1
		SEER (Seasonal Energy Efficiency Ratio)		Btu/W	17.8	17.8	18.6
	Heating	Power consumption		kW	3.0	4.2	5.7
		HSPF (Heating Seasonal Performance Factor)		Btu/W	9.6	9.6	9.6
External dimensions	Height		in	52-1/4			
	Width		in	35-1/2			
	Depth		in	15-3/4			
Total weight	Unit		lb	220			
Compressor	Type / Qty			Inverter-driven Hermetic Rotary/1			
Fan unit	Air volume		cfm	4,100			
Refrigerant ³ (Charged refrigerant amount)			lb	8.6			
Electrical specifications	Unit	MCA ⁴		A	36	38	40
		Recommended fuse size		A	40	40	45
Refrigerant piping	Connecting port diameter	Gas side (main pipe) (brazing)		in	5/8		3/4
		Liquid side (main pipe) (brazing)		in	3/8		
Operation temperature range	Cooling		° F DB	-5 to 118			
	Heating		° F WB	-5 to 64			
Number of connected indoor units				5	7	9	
Maximum capacity of combined indoor units				50% to 130%			
Sound pressure level cooling/heating ⁵			dB(A)	58.7	60.1	60.7	

¹ Rated conditions. Cooling: Indoor air temperature 80°F dry bulb / 67°F wet bulb, outdoor air temperature 95°F dry bulb. Heating: Indoor air temperature 70°F dry bulb, outdoor air temperature 47°F dry bulb / 43°F wet bulb.

² The source voltage must not fluctuate more than +/- 10%.

³ The amount does not consider extra piping length. Refrigerant must be added on site in accordance with the actual piping length.

⁴ Select wire size based on larger value of MCA: Minimum Circuit Amps (Minimum Circuit Amps required for power supply design).

⁵ These values, measured in anechoic chamber, at a point 3.3 ft (1m) in front of the unit at a height of 4.6 ft (1.4m).



Sizes: 05 / 7.5 / 9.5 / 12 / 15 / 18 / 24 / 30

INDOOR FEATURES

- 208/230V-1-60Hz voltage
- Available in eight different capacities
- Dual guided air design provides smoother and comfortable air flow
- DC fan motor
- Multiple fan speeds
- Louver control (fixed or swing)
- Flared refrigerant pipe connections
- Filter is washable

COMPATIBLE WITH

- 38VMH Outdoor Unit

KEY FEATURES

The Bryant® VRF High Wall Unit
Provides conditioning where it wasn't possible before.
The compact unit mounts on the wall, perfect for areas where there is no space above the ceiling.

SPECIFICATIONS

VRF High Wall Unit									
Unit model number		40VMW005---3 40VMW007---3 40VMW009---3 40VMW012---3 40VMW015---3 40VMW018---3 40VMW024---3 40VMW030---3							
Power supply (V-Ph-Hz)		208/230-1-60							
Cooling capacity (Btuh)		5,000	7,500	9,500	12,000	15,000	18,000	24,000	30,000
Heating capacity (Btuh)		6,000	8,500	10,900	13,500	17,000	21,000	27,000	34,000
Indoor fan motor	Type	DC							
	Input (W)	11	25		30	35	45	75	85
Indoor airflow (cfm)	Low	245	245		250	380	440	460	480
	Medium	245	270		280	420	470	530	600
	High	245	320		360	480	560	650	770
Indoor unit sound level dB(A)	Low	31.7	31.2	31.8	32.8	38.4	38.9	36.8	38.1
	Medium	31.7	32.2	32.6	34.6	39.6	40.2	42.0	43.6
	High	31.7	34.0	34.5	36.4	41.7	41.8	43.2	48.3
Unit	Unit dimension, W x H x D (in)	36 x 11-3/8 x 9				42-1/4 x 12-3/8 x 9		47 x 13-1/2 x 10-1/8	
	Packing dimension, W x H x D (in)	40-1/8 x 15-3/8 x 12-3/8				46-1/2 x 17-1/8 x 12-7/8		50-3/4 x 15-1/8 x 18-1/8	
	Unit Net/Gross Weight (lb) w/Packaging	28/35				32/40.5		38/50.5	
Refrigeration type		R410a							
Expansion device		Electronic Expansion Valve							
Design pressure, high/low (psig)		580/320							
Refrigerant piping (in)	Liquid side, OD (Flare)	1/4					3/8		
	Suction side, OD (Flare)	1/2					5/8		
Connecting wiring	Power wiring	Sized per NEC and local codes based on nameplate electrical data							
	Signal wiring	2-core stranded shielded twisted pair cable 18AWG							
Condensate drain pipe diameter, OD (in)		3/4							
Condensate pump		Not included (field supplied, field installed)							
Electrical data	MCA (A)	0.29	0.45					0.86	
	MOPD (A)	15							

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb/67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb/43° F wet bulb.

INDOOR FEATURES

- 208/230V-1-60Hz voltage
- DC fan motor
- Multiple fan speeds
- Built-in IR receiver
- Electric heat optional

COMPATIBLE WITH

- 38VMH Outdoor Unit



Sizes: 12 / 18 / 24 / 30 / 36 / 48 / 54

KEY FEATURES

The Bryant® VRF Vertical Air Handling Unit
Multi-positional unit – vertical and horizontal – ideal for closet applications. It comes standard with a constant CFM ECM motor to ensure you always get the air flow you need.

SPECIFICATIONS

Vertical Air Handling Unit								
Unit model number		40VMV012---3	40VMV018---3	40VMV024---3	40VMV030---3	40VMV036---3	40VMV048---3	40VMV054---3
Power supply (V-Ph-Hz)		208/230-1-60						
Cooling capacity (Btuh)		12,000	18,000	24,000	30,000	36,000	48,000	53,500
Heating capacity (Btuh)		13,500	21,000	27,000	34,000	40,000	54,000	60,000
Indoor fan motor	Type	DC						
	Input (W)	43	60	100	151	187	355	466
Indoor airflow (cfm)	Low	320	420	560	700	840	1,120	1,260
	Medium	320	510	680	850	1,020	1,360	1,530
	High	400	600	800	1,000	1,200	1,600	1,800
Indoor external static pressure	in (WG)	0.8						
Indoor unit sound level dB(A)	Low	34.5	34.4	37.9	44.4	39.3	43.8	47.9
	Medium	34.5	37.1	42.3	48.4	44.1	48.5	52.6
	High	37.6	41.6	46.2	52.2	46.9	53.0	57.1
Unit	Unit dimension, W x H x D (in)	19-5/8 x 46-1/2 x 20-5/8				22 x 54-1/2 x 24		
	Packing dimension, W x H x D (in)	22-5/8 x 50-5/8 x 25-3/8				24-5/8 x 58-5/8 x 27-3/4		
	Unit Net/Gross Weight (lb) w/ Packaging	119/143	123/147			163/189		
Refrigeration type		R410a						
Expansion device		Electronic Expansion Valve						
Design pressure, high/low (psig)		580/320						
Refrigerant piping (in)	Liquid side, OD (Sweat)	1/4	3/8					
	Suction side, OD (Sweat)	1/2	5/8					
Connecting wiring	Power wiring	Sized per NEC and local codes based on nameplate electrical data						
	Signal wiring	2-core stranded shielded twisted pair cable 18AWG						
Condensate drain pipe diameter, OD (in)		3/4 NPT						
Electrical data	MCA (A)	1.5	3.80			5.30		7.20
	MOPD (A)	15						



Sizes: 7 / 9 / 12 / 15 / 19 / 24 / 30 / 38 / 48

KEY FEATURES

The Bryant® VRF Medium Static Ducted Unit
Ideal for single room hideaway or ducted applications.

SPECIFICATIONS

VRF Medium Static Ducted										
Unit model number		40VMM007---3 40VMM009---3 40VMM012---3 40VMM015---3 40VMM018---3 40VMM024---3 40VMM030---3 40VMM036---3 40VMM048---3								
Power supply (V-Ph-Hz)		208/230-1-60								
Cooling capacity (Btuh)		7,000	9,000	12,000	15,000	19,000	24,000	30,000	38,000	48,000
Heating capacity (Btuh)		8,000	10,000	13,500	17,000	21,000	27,000	34,000	42,000	54,000
Indoor fan motor	Type	DC								
	Input (W)	50		115	140	155	195	260	310	430
Indoor airflow (cfm)	Low	230		250	326	376	501	626	751	1,001
	Medium	271		294	385	444	592	740	888	1,184
	High	312		375	462	565	707	908	1,117	1,366
Indoor external static pressure	in (WG)	0.3			0.6					
Indoor unit sound level dB(A)	Low	28.1	29.3	30.0	31.9	35.5	36.4	40.8	39.2	44.7
	Medium	29.3	30.9	32.0	34.5	38.2	38.6	43.7	42.6	47.5
	High	31.3	32.2	36.1	38.5	41.1	41.8	46.9	46.2	50.8
Unit	Unit dimension, W x H x D (in)	39-1/4 x 8-1/4 x 19-3/4			39-3/4 x 10-5/8 x 25			48-1/2 x 10-5/8 x 30-1/2		50-3/4 x 11-7/8 x 34-1/8
	Packing dimension, W x H x D (in)	44-7/8 x 11-1/2 x 22			45-1/16 x 14 x 27-3/4			54 x 14-3/8 x 33-3/4		56-1/8 x 15-5/8 x 37-3/16
	Net/gross weight (lb)	48.5/57.5			76/88		97/115	99/117		124/143
Refrigeration type		R410a								
Expansion device		EXV								
Design pressure, high/low (psig)		580/320								
Refrigerant piping (in)	Liquid side, OD (Flare)	1/4				3/8				
	Suction side, OD (Flare)	1/2				5/8				
Connecting wiring	Power wiring	Sized per NEC and local codes based on nameplate electrical data								
	Signal wiring	2-core stranded shielded twisted pair cable 20AWG-16AWG								
Condensate drain pipe diameter, OD (in)		1		3/4						
Condensate pump		Included								
Electrical data	MCA (A)	1.25		3.13					5.00	
	MOPD (A)	15								

VRF Summary

Ideal for light commercial or large residential applications, a Bryant® VRF Heat Pump system delivers the efficiency, flexibility and control of VRF, but in a smaller capacity package and with a lower power requirement. The system allows for a long line length between the outdoor and indoor units, offering more options for installation between floors of your home. It utilizes the centralized controls network with an expanded line of indoor unit styles.



Outdoor Unit





LIGHT COMMERCIAL

Preferred™ Series



OUTDOOR FEATURES

- Available in 208/230V
- Built-in basepan heater
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 62.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 213 ft (65 m)
- Cooling operating range -13° ~ 122°F (-25° ~ 50°C)
- Heating operating range -22° ~ 86°F (-30° ~ 30°C)

COMPATIBLE WITH

- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Console

Heat Pump with Basepan Heater

Inverter Compressor

Up to 18 SEER

Up to 11.5 HSPF

Sizes: 36 / 48 / 58

KEY FEATURES

Longer Piping Lengths

Piping flexibility up to total piping length of 213 ft (65 m).

Low Ambient Cooling

With built-in Low Ambient Cooling or specially designed PCB, outdoor fan speeds can be changed automatically based on the temperature. The unit can run in the cooling mode even in low ambient temperatures.



SPECIFICATIONS

38MBR Outdoor Unit				
Heat Pump				
System				
Size		36	48	58
Outdoor Model		38MBRQ36A--3	38MBRQ48A--3	38MBRQ58A--3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	30	35	35
MOCP - Fuse Rating	A.	50	50	50
Operating Range				
Cooling Outdoor DB Min - Max	°F (°C)	-13~-122 (-25~50)	-13~-122 (-25~50)	-13~-122 (-25~50)
Heating Outdoor DB Min - Max	°F (°C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping				
Total Piping Length	ft (m)	213 (65)	213 (65)	213 (65)
Piping Lift*	ft (m)	98 (30)	98 (30)	98 (30)
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Refrigerant				
Type		R410A	R410A	R410A
Charge	in (mm)	6.72 (3.05)	9.26 (4.2)	10.19 (4.62)
Compressor				
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor				
Unit Width	in (mm)	37.24 (946)	37.48 (952)	37.48 (952)
Unit Height	in (mm)	31.89 (810)	52.48 (1,333)	52.48 (1,333)
Unit Depth	in (mm)	16.14 (410)	16.34 (415)	16.34 (415)
Net Weight	lbs (kg)	136.47 (61.9)	217.4 (98.6)	225.09 (102.1)
Airflow	CFM	2,130	4,500	4,415
Sound Pressure	dB(A)	63.0	62.5	64.0

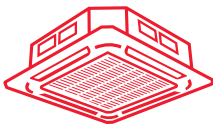
*Condensing unit above or below indoor unit.

COMPATIBILITY

Indoor Unit		Outdoor Unit		
		38MBRQ36A--3	38MBRQ48A--3	38MBRQ58A--3
40MBCQ Cassette	40MBCQ36---3	•		
	40MBCQ48---3		•	
40MBDQ Ducted	40MBDQ36---3	•		
	40MBDQ48---3		•	
	40MBDQ58---3			•
40MBFQ Console	40MBFQ36---3	•		
	40MBFQ48---3		•	
	40MBFQ58---3			•

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.

Preferred™ Series



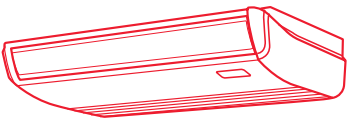
PERFORMANCE

40MBCQ Cassette				
Indoor Model		40MBCQ36---3	40MBCQ48---3	
ENERGY STAR®		NO	NO	
Cooling System Tons		3.0	4.0	
Cooling Rated Capacity	Btu/h	36,000	48,000	
Cooling Cap. Range Min - Max	Btu/h	8,500~38,000	9,000~50,000	
SEER		17.5	16.8	
EER		9.0	9.5	
Heating Rated Capacity (47°F)	Btu/h	38,000	50,000	
Heating Rated Capacity (17°F)	Btu/h	25,200	35,000	
Heating Maximum Capacity (5°F)	Btu/h	25,300	34,000	
Heating Cap. Range Min - Max	Btu/h	9,500~50,000	10,000~55,000	
HSPF		10.5	11.0	
COP (47°F)	W/W	3	3.6	
COP (17°F)	W/W	2.46	2.62	
COP (5°F)	W/W	1.71	1.84	



PERFORMANCE

40MBDQ Ducted				
Indoor Model		40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
ENERGY STAR®		NO	NO	NO
Cooling System Tons		3.0	4.0	4.8
Cooling Rated Capacity	Btu/h	36,000	48,000	57,000
Cooling Cap. Range Min - Max	Btu/h	8,500~38,000	9,000~50,000	18,000~58,000
SEER		16.5	17.4	18.0
EER		9.0	9.2	10.0
Heating Rated Capacity (47°F)	Btu/h	40,000	49,500	62,000
Heating Rated Capacity (17°F)	Btu/h	27,600	33,400	37,600
Heating Maximum Capacity (5°F)	Btu/h	25,300	34,000	35,000
Heating Cap. Range Min - Max	Btu/h	9,500~50,000	10,000~55,000	12,000~63,000
HSPF		11.5	10.3	9.0
COP (47°F)	W/W	3	3.6	3.6
COP (17°F)	W/W	2.46	2.62	2.62
COP (5°F)	W/W	1.89	1.84	1.91



PERFORMANCE

40MBFQ Console				
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
ENERGY STAR®		NO	NO	NO
Cooling System Tons		3.0	4.0	4.5
Cooling Rated Capacity	Btu/h	36,000	48,000	54,000
Cooling Cap. Range Min - Max	Btu/h	8,500~38,000	9,000~50,000	18,000~58,000
SEER		16.0	17.8	18.0
EER		8.0	9.3	9.8
Heating Rated Capacity (47°F)	Btu/h	38,000	50,000	60,000
Heating Rated Capacity (17°F)	Btu/h	25,400	35,000	39,000
Heating Maximum Capacity (5°F)	Btu/h	25,300	34,000	35,000
Heating Cap. Range Min - Max	Btu/h	9,500~50,000	10,000~55,000	12,000~63,000
HSPF		10.0	11.0	10.5
COP (47°F)	W/W	3	3.6	3.6
COP (17°F)	W/W	2.46	2.62	2.62
COP (5°F)	W/W	2.29	1.84	1.91



Sizes: 36 / 48

INDOOR FEATURES

- Available in 208/230V
- Up to 17.5 SEER and 11.0 HSPF when paired with 38MBR outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- Outside air intake
- Built-in condensate lift pump
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 49 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Grille/ceiling panel 3’ x 3’ P/N 40MBCQ02XXX3

COMPATIBLE WITH

- 38MBR Outdoor Unit Single Zone

KEY FEATURES

Built-in Condensate Lift Pump

Supplied with a condensate lift pump capable of lifting water (maximum amount 29.5 in (750 mm)) above the top of the unit.

360° Air Flow Panel

With the 360° air flow panel, air is distributed to every corner of the room.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller
KSACN0101AAA (Timer Function)

Optional Wired Remote Controller
KSACN0501AAA (7-Day Programmable)



Wireless Remote
Controller



Wired Remote Controller
(7-Day Programmable)
KSACN0501AAA

ACCESSORIES

24V Interface for compatibility with conventional thermostat
KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0401AAA

NOTE: Grille is required; sold separately.
Wi-Fi® is a registered trademark of Wi-Fi Alliance®.



SPECIFICATIONS

40MBCQ Cassette			
Heat Pump			
System			
Size		36	48
Indoor Model		40MBCQ36---3	40MBCQ48---3
Electrical			
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit	
MCA	A.	0.8	1.6
Operating Range			
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)
Piping			
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)
Indoor			
Body Unit Width	in (mm)	33.07 (840)	33.07 (840)
Body Unit Height	in (mm)	9.65 (245)	11.3 (287)
Body Unit Depth	in (mm)	33.07 (840)	33.07 (840)
Body Net Weight	lbs (kg)	58.2 (26.4)	63.27 (28.7)
Panel Unit Width	in (mm)	37.4 (950)	37.4 (950)
Panel Unit Height	in (mm)	2.17 (55)	2.17 (55)
Panel Unit Depth	in (mm)	37.4 (950)	37.4 (950)
Panel Net Weight	lbs (kg)	11.02 (5)	11.02 (5)
Number of Fan Speeds		3	3
Airflow (lowest to highest)	CFM	809/958/1,095	853/1,030/1,177
Sound Pressure (lowest to highest)	dB(A)	49/52/55	49/52/55
Air Throw Data	ft (m)	30 (9)	30 (9)
Moisture Removal	Pint/h (L/h)	8.53 (4.04)	13.5 (6.39)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBCQ36---3	40MBCQ48---3
Outdoor Unit Single Zone*	38MBRQ36A--3	38MBRQ48A--3

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

Manufacturer reserves the right to discontinue, or change at any time, specification or designs without notice or incurring obligations.



INDOOR FEATURES

- Available in 208/230V
- Up to 18.0 SEER and 11.5 HSPF when paired with 38MBR outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical (sizes 36 & 48) or horizontal installation
- Up to 0.8 in WG
- Rear or bottom return
- Constant CFM operation on sizes 36 and 48
- Built-in condensate lift pump
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 38.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MBR Outdoor Unit Single Zone

Sizes: 36 / 48 / 58

KEY FEATURES

Vertical or Horizontal Installation

Designed for maximum installation flexibility with the built-in secondary drain pan which allows the unit to be mounted vertically for either a floor or ceiling-concealed installation depending on existing conditions for sizes 36 and 48 only.

Built-in Condensate Lift Pump

Supplied with a condensate lift pump capable of lifting water (maximum amount 29.5 in (750 mm)) above the top of the unit.

CONTROLS

Wireless Remote Controller included with indoor unit

Wired Remote Controller KSACN0501AAA (7-Day Programmable) included with indoor unit



Wireless Remote
Controller



Wired Controller
(7-Day Programmable)
KSACN0501AAA

ACCESSORIES

24V Interface for compatibility with conventional thermostat
KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0401AAA

SPECIFICATIONS

40MBDQ Ducted				
Heat Pump				
System				
Size		36	48	58
Indoor Model		40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	2.45	3.2	3.65
Operating Range				
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Indoor				
Unit Width	in (mm)	53.54 (1,360)	47.24 (1,200)	55.12 (1,400)
Unit Height	in (mm)	9.8 (249)	11.81 (300)	17.32 (440)
Unit Depth	in (mm)	30.47 (774)	34.41 (874)	33.78 (858)
Net Weight	lbs (kg)	106.48 (48.3)	119.71 (54.3)	163 (74)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	CFM	700/910/1,080	720/1,030/1,230	1,260/1,710/2,150
Sound Pressure (lowest to highest)	dB(A)	38.5/42/45.5	46/49.5/50.5	51/54/57
Max Static Pressure	in (WG)	0.64	0.64	0.80
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
Outdoor Unit Single Zone*	38MBRQ36A--3	38MBRQ48A--3	38MBRQ58A--3

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.
Backward compatible with 38MBQ Single Zone Systems.



Sizes: 36 / 48 / 58

INDOOR FEATURES

- Available in 208/230V
- Up to 18.0 SEER and 11.0 HSPF when paired with 38MBR outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Install on the floor or in the ceiling
- Louver control (fixed or swing)
- Three fan speeds
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46°F Heating Mode)
- Quiet indoor operation, as low as 43 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins

COMPATIBLE WITH

- 38MBR Outdoor Unit Single Zone

KEY FEATURES

Outside Air Intake

Outside air can be brought into the room through the connection available on the indoor unit, which helps meet the ventilation requirements.

Flexible Installation

Install the unit on the floor or in the ceiling, depending on the application.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0501AAA (7-Day Programmable)



Wireless Remote Controller



Wired Remote Controller KSACN0501AAA (7-Day Programmable)

ACCESSORIES

24V Interface for compatibility with conventional thermostat KSAIC0301230

Wi-Fi® smartphone control kit KSAIF0401AAA

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

SPECIFICATIONS

40MBFQ Console				
Heat Pump				
System				
Size		36	48	58
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	1.23	0.85	1.48
Operating Range				
Cooling Indoor DB Min - Max	°F (°C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	°F (°C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Indoor				
Unit Width	in (mm)	50.59 (1,285)	64.96 (1,650)	64.96 (1,650)
Unit Height	in (mm)	9.25 (235)	9.25 (235)	9.25 (235)
Unit Depth	in (mm)	26.57 (675)	26.57 (675)	26.57 (675)
Net Weight	lbs (kg)	69 (31.3)	83.78 (38)	110 (50)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	CFM	638/917/1,037	1,000/1,120/1,350	796/1,029/1,385
Sound Pressure (lowest to highest)	dB(A)	43/49/54	52/54/57	46/49/55
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

COMPATIBILITY

Indoor Unit	40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Outdoor Unit Single Zone*	38MBRQ36A--3	38MBRQ48A--3	38MBRQ58A--3

*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

Preferred™ Series



Fixed Speed Compressor

14.0 SEER

8.2 HSPF

Cooling Only Sizes: 18 / 24 / 30 / 36 / 48 / 60

Heat Pump Sizes: 18 / 24 / 30 / 36 / 48 / 60

KEY FEATURES

- Small footprint
- Scroll compressor
- Line lengths up to 250 ft (76.2 m)*
- Low ambient operation

ACCESSORIES

Low Ambient Kit

FEATURES

- Available in 208/230V-1, 208/230V-3 and 460V-3
- WeatherArmor™ cabinet (All-steel cabinet construction and Mesh coil guard)
- Quiet outdoor operation, as low as 66 dB(A)
- Piping equivalent length up to 250 ft
- Cooling operating range: -20° ~ 125°F (-28° ~ 52°C) (w/ Low Ambient Kit)
- Heating operating range: 17° ~ 75°F (-8° ~ 24°C)

COMPATIBLE WITH

- Residential Air Handlers



SPECIFICATIONS

COOLING ONLY															
System	SIZE		18	24		30	36	36	36	48	48	48	60	60	60
Electrical	Outdoor Model		124ANS018000	124ANS024000		124ANS030000	124ANS036000	124APS036000	124AES036000	124ANS048000	124APS048000	124AES048000	124ANS060000	124APS060000	124AES060000
	Outdoor Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60		208/230-1-60	208/230-1-60	208/230-3-60	460-3-60	208/230-1-60	208/230-3-60	460-3-60	208/230-1-60	208/230-3-60	460-3-60
	MCA (Outdoor)	A.	11.8	14.1		18.3	18.8	12.5	7.6	24.3	18.3	8.4	31.1	21.4	9.7
	MOCP - Fuse Rating (Outdoor)	A.	20	25		30	30	20	15	40	30	15	50	35	15
Operating Range	Cooling Outdoor DB Min - Max	°F	55~125 (-20°F W / LOW-AMBIENT KIT)			55~125 (-20°F W / LOW-AMBIENT KIT)									
Piping	Total Actual Piping Length	ft	200'	200'		200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
	Drop (OD above ID)	ft	200'	200'		200'	200'	200'	200'	200'	200'	200'	200'	200'	200'
	Lift (OD below ID)	ft	65'	65'		65'	65'	65'	65'	65'	65'	65'	65'	65'	65'
	Outdoor Pipe Connection Size - Liquid	in	3/8	3/8		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Outdoor Pipe Connection Size - Suction	in	5/8	3/4		3/4	7/8	7/8	7/8	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8
Refrigerant	Type		R-410A	R-410A		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge	lb	6.4	6.5		8.6	8.9	8.9	8.9	9	9	9	10.6	10.6	10.6
Compressor	Type		SCROLL	SCROLL		SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
Outdoor	Unit Width	in	36.9	36.9		44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
	Unit Height	in	31.1	31.1		37.1	37.1	37.1	37.1	37.1	37.1	37.1	43.1	43.1	43.1
	Unit Depth	in	14.6	14.6		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
	Net Weight	lbs	146	148		183	184	184	184	213	213	213	245	245	245
	Airflow	CFM	1,285	1,285		1,900	2,615	2,615	2,615	2,615	2,615	2,615	2,785	2,785	2,785

PERFORMANCE

COOLING ONLY															
Nominal Performance Ducted Fan Coils	Indoor Model		**	**		**	**	**	**	**	**	**	**	**	**
	Cooling System Tons		1.5	2.0		2.5	3.0	3.0	3.0	3.8	3.8	3.8	4.8	4.8	4.8
	Cooling Rated Capacity (Nominal)	Btu/h	18,000	24,000		29,600	35,400	35,400	35,400	45,000	45,000	45,000	57,000	57,000	57,000
	SEER		14	14		14	14	14	14	14	14	14	14	14	14
	EER		12.2	12.2		12.2	12.2	12.2	12.2	11.7	11.7	11.7	11.7	11.7	11.7

TESTED AHRI COMBINATION RATINGS

Additional ratings and system combinations can be accessed via the Carrier database at: [MyCarrieratings.com](https://mycarrieratings.com)

*Maximum actual length not to exceed 200 ft (61 m)

**For performance data at specific application and/or design conditions with various indoor unit combinations, the equipment performance calculator can be accessed at: rpmob.wrightsoft.com/

SPECIFICATIONS

			HEAT PUMP				HEAT PUMP								
System	Size		18	24	30	36		36	36	48	48	48	60	60	60
	Outdoor Model		224ANS018000	224ANS024000	224ANS030000	224ANS036000		224APS036000	224AES036000	224ANS048000	224APS048000	224AES048000	224ANS060000	224APS060000	224AES060000
Electrical	Outdoor Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60		208/230-3-60	460-3-60	208/230-1-60	208/230-3-60	460-3-60	208/230-1-60	208/230-3-60	460-3-60
	MCA (Outdoor)	A.	11.8	16.5	17.2	19		12.8	7.6	28.8	18.6	8.6	33.4	22.9	10.6
	MOCP - Fuse Rating (Outdoor)	A.	20	25	30	30		20	15	50	30	15	50	40	15
Operating Range	Cooling Outdoor DB Min - Max	°F	55~125 (-20°F w / Low-Ambient Kit)												
	Heating Outdoor DB Min - Max	°F	17~75	17~75	17~75	17~75		17~75	17~75	17~75	17~75	17~75	17~75	17~75	17~75
Piping	Total Piping Length	ft	200'	200'	200'	200'		200'	200'	200'	200'	200'	200'	200'	200'
	Drop (OD above ID)	ft	200'	200'	200'	200'		200'	200'	200'	200'	200'	200'	200'	200'
	Lift (OD below ID)	ft	65'	65'	65'	65'		65'	65'	65'	65'	65'	65'	65'	65'
	Outdoor Pipe Connection Size - Liquid	in	3/8	3/8	3/8	3/8		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Outdoor Pipe Connection Size - Suction	in	5/8	3/4	3/4	7/8		7/8	7/8	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8
Refrigerant	Type		R-410A	R-410A	R-410A	R-410A		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Charge	lb	6.72	7.67	12.1	12.3		12.3	12.3	10.95	10.95	10.95	11.82	11.82	11.82
Compressor Type			Scroll	Scroll	Scroll	Scroll		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Outdoor	Unit Width	in	36.9	36.9	44.5	44.5		44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
	Unit Height	in	25.1	31.1	37.1	37.1		37.1	37.1	43.1	43.1	43.1	43.1	43.1	43.1
	Unit Depth	in	14.6	14.6	17.1	17.1		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
	Net Weight	lbs	150	161	196	197		197	197	246	246	246	258	258	258
	Airflow	CFM	1,285	1,285	2,615	2,615		2,615	2,615	2,785	2,785	2,785	2,785	2,785	2,785

PERFORMANCE

HEAT PUMP														
Nominal Performance Ducted Fan Coils	Indoor Model		*	*	*	*		*	*	*	*	*	*	*
	Cooling System Tons		1.5	2.0	2.4	2.9		2.9	2.9	3.8	3.8	3.8	4.6	4.6
	Cooling Rated Capacity	Btu/h	18,000	23,400	28,800	34,200		34,200	34,200	45,500	45,500	45,500	55,000	55,000
	SEER		14	14	14	14		14	14	14	14	14	14	14
	EER		11.5	11.5	12.5	12		12	11.5	11.5	11.5	11.5	11.5	11.5
	Heating Rated Capacity	Btu/h	17,200	22,800	28,200	34,200		34,200	34,200	46,000	46,000	46,000	55,000	55,000
	HSPF		8.2	8.2	8.5	8.5		8.5	8.2	8.2	8.2	8.2	8.2	8.2
	COP	W/W	2.48	2.5	2.62	2.6		2.6	2.6	2.56	2.56	2.56	2.62	2.62

TESTED AHRI COMBINATION RATINGS

Additional ratings and system combinations can be accessed via the Carrier database at: MyCarrierRatings.com

*For performance data at specific application and/or design conditions with various indoor unit combinations, the equipment performance calculator can be accessed at: rpmob.wrightsoft.com/



KSAIC0301230 Ductless Fan Coil unit connection

OUTDOOR FEATURES

- Control the ductless system using a third-party thermostat¹
- One 24V Interface Kit per indoor head²
- Keeps the Inverter compressor operating as a variable-speed system
- Rated for outdoor and indoor mounting
- Dry mode contact for active dehumidification control
- Remote on/off contact
- Auxiliary heat control through the thermostat⁴
- Diagnostic code display LEDs
- Power supplied through the outdoor unit

COMPATIBLE WITH

- 619PHA High Wall
- 619P*B High Wall
- 40MHH High Wall
- 40MBCQ Cassette
- 40MBDQ Ducted
- 40MBFQ Console

The Second Generation 24V Interface Kit allows both single and multi-zone ductless systems to be compatible with and controlled by any third-party, single-stage conventional thermostat¹. The 24V Interface Kit maintains the benefits of variable-speed technology, enabling increased efficiency and comfort for end users.³



COMPATIBILITY

The Second Generation of the 24V Interface Kit model number KSAIC0301230 is compatible with the ductless systems listed below. Before installation, check the compatibility of your ductless system. Product must be installed by a licensed HVAC technician.

Type of Indoor Unit	Indoor Family Name	Single Zone Outdoor Family Name	Multi-zone Outdoor Family Name	208/230V
High Wall	619PHA	38MPRA	38MGR	All Sizes
	619P*B	38MA*R	38MGR	All Sizes
	40MHH	38MHR	38MGR	All Sizes
Cassette	40MBCQ	38MA*R	38MGR	All Sizes
Ducted	40MBDQ	38MA*R	38MGR	All Sizes Except size 58
Console	40MBFQ	38MA*R	38MGR	All Sizes Except sizes 12 and 58

Note: The indoor unit requires an updated control board for compatibility with the 24V Interface Kit. High Wall units starting with Serial #4316V10001 are shipped with the compatible control board. Ducted units starting with Serial #4616V10001 are shipped with the compatible control board. For other model numbers not shown on the table above, please contact your ductless representative. Ducted size 58 Console sizes 12 and 58 starting with serial #1419V1001 are shipped with compatible control board.

DUCTLESS SINGLE ZONE



DUCTLESS MULTI-ZONE





KSAIC0301230 Ductless Outdoor*
Matched with conventional Fan Coils

FEATURES

- Match a Multi-Family Air Handler with a Single Zone Ductless Outdoor and a third party thermostat
- Available in 208/230V
- Single Zone applications only
- One 24V Interface Kit per system
- Keeps the inverter compressor operating as a variable speed system
- Rated for outdoor and indoor mounting
- Remote ON/OFF contact
- Auxiliary heat control through the thermostat
- Separate power necessary for the indoor unit and the outdoor unit

COMPATIBLE WITH

- 38MA*R Outdoor Unit Single Zone
- FMA4 Vertical Fan Coil
- FMC Cased Horizontal Fan Coil
- FMU Uncased Horizontal Fan Coil
- FV4 Fan Coil



38MA*R Outdoor Unit



FMA4X Fan Coil



FV4 Fan Coil



FMX/FMU Fan Coil

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.
*Matched with 38MA*R Single Zone

COMPATIBILITY

The Second Generation of the 24V Interface Kit is compatible with conventional 5-wire thermostats matched with the fan coils listed below. Before installation, check the compatibility of your outdoor and indoor fan coil. Product must be installed by a licensed HVAC technician.





Indoor	Nominal System Size MBTUH	Outdoor Model Number	Indoor Model Number	Cooling Capacity	SEER	EER	Heating Capacity	HSPF
FMA4X Vertical Fan Coil	12	38MAQB12R--3	FMA4X1800AL1	12,000	17.5	12.5	12,000	9.5
	18	38MAQB18R--3	FMA4X1800AL1	17,000	16	11	18,000	10
	24	38MAQB24R--3	FMA4X2400AL1	23,000	17	11	23,600	10
	30	38MAQB30R--3	FMA4X3000AL1	30,000	16.5	10.5	30,000	11.5
	36	38MAQB36R--3	FMA4X3600AL1	36,000	14.5	9	36,000	9
FMC Cased Horizontal Fan Coil	12	38MAQB12R--3	FMC4Z1800AL1	12,000	18	11.5	12,000	10.5
	18	38MAQB18R--3	FMC4Z1800AL1	17,000	16	11	18,000	10
	24	38MAQB24R--3	FMC4Z2400AL1	23,000	20	12.2	23,200	11.2
	30	38MAQB30R--3	FMC4Z3000AL1	28,600	17.95	11.1	29,800	10.8
	36	38MAQB36R--3	FMC4Z3600AL1	36,000	16.5	9	36,000	9
FMU Uncased Horizontal Fan Coil	12	38MAQB12R--3	FMU4Z1800AL1	12,000	18	11.5	12,000	10.5
	18	38MAQB18R--3	FMU4Z1800AL1	17,000	16	11	18,000	10
	24	38MAQB24R--3	FMU4Z2400AL1	23,000	20	12.2	23,200	11.2
	30	38MAQB30R--3	FMU4Z3000AL1	28,600	17.95	11.1	29,800	10.8
	36	38MAQB36R--3	FMU4Z3600AL1	36,000	6.5	9	36,000	9

Note: The FMA4P units are not an acceptable match with these condensing units due the PSC motor.

Select Proper Blower Speed
Before operating unit, ensure that the proper blower speed has been selected. Fan speeds are selected manually. Refer to the installation manual of the 24V interface KSAIC0301230 and the indoor unit for instructions on how to change the fan speed on the indoor fan coil and select the taps (see Compatibility Table) for the proper matches.

MULTI-FAMILY CONNECTION



CONTROLS								
Model #	Timer Function	7-day Programmable	619PHA	619P*B	40MBCQ	40MBDQ	40MBFQ	40MHH
 KSACN0101AAA Wired Controller (Timer Function)	X			•	•	•	•	
 KSACN0401AAA Wired Controller (Timer Function)		X	•	• †			• Size 12	•
 KSACN0501AAA Wired Controller (7-Day Programmable)		X			•	•	• 18-58	
 Third Party Thermostat*		X	•	•	•	•	•	•

CONTROLS							
Wi-Fi® Accessories Model #	Description	619PHA	619P*B	40MBCQ	40MBDQ	40MBFQ	40MHH
KSAIF0101AAA	Wi-Fi High Wall Entry Tier 9/12/24k						•
KSAIF0201AAA	Wi-Fi High Wall Entry Tier – 18k ONLY						•
KSAIF0301AAA	Wi-Fi High Wall Mid-Tier		•				
KSAIF0401AAA	Wi-Fi Cassettes, Ducted, Console			•	•	• 18-58	
KSAIF0601AAA	Wi-Fi High Wall High Tier (Built-in with indoor unit)	•					

• Standard
• Optional

Notes:
† 7 Day programmable compatible with indoor units starting with Serial Number 0216V10001.
*Using 24V interface; Compatible with indoor units starting with Serial Number 4216V10001.

GLOSSARY OF TERMS	
Features	Description
Follow Me	Sense temperature at handheld remote, even if you walk around the room.
Sleep Mode	To conserve energy and when the unit is in the COOL, HEAT or AUTO mode only.
Turbo Mode	The fan operates at super high fan speed for 20 minutes to cool or heat the room rapidly.
Dry Mode	The system dries, filters and slightly cools the room air temperature. This mode prioritizes air dehumidification but it does not take the place of a dehumidifier.
Heating Setback (46°F Heating Mode)	The unit operates at high fan speed and the coil temperature automatically sets to 46°F (8°C).
Timer	Unit will stop automatically at the set time. Can be set while unit is on or off.
Self Clean Mode	The system automatically cleans and dries the evaporator. The cleaning cycle takes 30 minutes, after which the unit turns off automatically.
Up/Down Automatic Louver Control	Use to automatically control the louver position up/down.
Right/Left Automatic Louver Control	Use to automatically control the louver position right/left.
Auto Restart Function	Unit automatically powers back to previous setting following a power failure.
Outside Air Intake	Unit introduces outside air through a knockout located on the unit.
Relative Humidity Sensor Built-in	The relative humidity can be adjusted in 5% increments in a range of 35%~85% during DRY mode by pressing RH on the remote controller.
Occupancy Sensor	Detects activity in the room and adjusts the horizontal angle of airflow to blow away from people or follow people.
Aluminum Golden Hydrophilic Pre-Coated Fins	Improves the wettability on the coil.

INDOOR UNIT STYLES						
	619PHA	619P*B	40MBCQ	40MBDQ	40MBFQ	40MHH
High Wall	•	•				•
Cassette			•			
Ducted				•		
Floor Console					• 12	
Floor Console - Underceiling					• 18-58	

FEATURES						
Follow Me	•	•	•	•	•	•
Sleep Mode	•	•	•	•	•	•
Turbo Mode	•	•	•	•	•	•
Dry Mode	•	•	•	•	•	•
Heating Setback (46°F Heating Mode)	•	•	•	•	•	•
Timer	•	•	•	•	•	•
Self Clean Mode	•	•	•	•	•	•
Up/Down Automatic Louver Control	•	•	•		•	•
Right/Left Automatic Louver Control	•					
Relative Humidity Sensor	•					
Occupancy Sensor	•					
Auto Restart Function	•	•	•	•	•	•
Outside Air Intake			•	•	• 18-58	
Aluminum Golden Hydrophilic Pre-Coated Fins	•	•	•	•	•	•