

Home is Where the Comfort is
2022 Ductless Systems Catalog

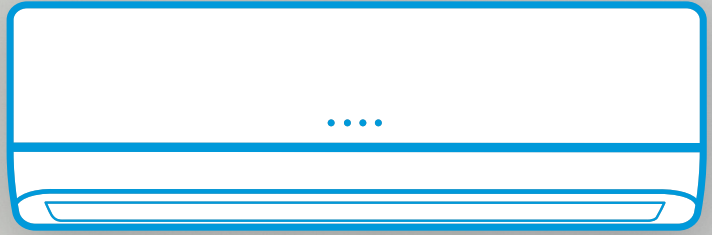
February 2022





Table of Contents

What Is Ductless Technology	3
Benefits & Features	5
Midea Ductless Unit Types & Performance Tiers	7
Why Midea Ductless Systems	9
Single Zone Residential	13
Elevate Series	15
Excel Series	21
Essence Series	37
Multi-Zone	47
Single Zone Light Commercial	53
Accessories and Additional Information	69
Tiers, Warranties & Controls	76
Glossary	77

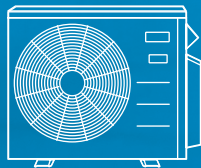


The Difference Between Hot, Cold & Comfortable

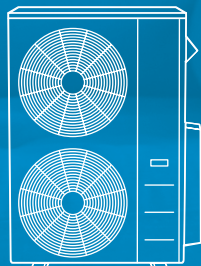
Ductless, also called a mini-split, is an extraordinary HVAC system that makes any room comfortable at the push of a button. It's free from long, expansive ductwork. Instead, ductless circulates conditioned refrigerant between an indoor unit and an outdoor unit connected by copper refrigerant tubing and electrical wiring. Additionally, no ductwork means less precious air loss due to leaks. Plus, it delivers a climate-controlled experience directly into one or many rooms of your choice.

WITH MIDEA, ROOM-TO-ROOM CLIMATE CONTROL IS A BREEZE

Say goodbye to inconsistent, inaccurate energy distribution. Midea ductless systems provide an efficient, flexible and customizable heating and cooling solution for a single area of a home or business. Our multi-zone solution individually manages several different zones using one integrated system of indoor and outdoor units.



Single zone systems provide comfort for areas with as little as 350 and as much as 3,000 square feet—like small offices and bedrooms, or big living and cooking areas.



Multi-zone systems can connect as many as five indoor units to a single outdoor unit—with comfort all around the house, using individual controls for zoning and energy savings.



FLEXIBLE & CUSTOMIZABLE

Streamlined, flexible design makes Midea ductless systems an ideal solution for many spaces and applications, from new additions and old homes to rooms with insufficient climate control.

- New construction and renovations
- Historic or older homes/buildings with no ductwork
- Homes and businesses
- Single or multi-family
- Primary living areas
- Rooms that are often too hot or too cold
- Basements, attics, garages, additions
- Server rooms



EASY INSTALLATION

Since no ductwork is necessary, **ductless is the right solution for the most challenging environments.** It's less disruptive to a home or business. Plus, installation is faster because it requires less labor.

- Indoor units enter the house through a 3-inch pipe. And they're powered by the outdoor unit, so no additional wiring or electrical required.
- No air ducts needed.



SMART TECHNOLOGY DESIGNED WITH YOU IN MIND

Integrated sensors can direct airflow toward specific individuals in the room, with the ability to link to third-party thermostats for personalized control.



ENERGY EFFICIENT

With no ductwork needed, the system doesn't experience the normal energy loss of a traditional HVAC system. Furthermore, indoor units control individual rooms—heating and cooling spaces only when they're in use. This amounts to significant savings on energy bills.

Our ductless systems utilize inverter compressor technology—allowing each unit to continuously adjust heating and cooling capacities to best match a room's current condition



CONTROL COMFORT FROM ANYWHERE

All indoor units can be made Wi-Fi® compatible with our Wi-Fi® Accessory Kit. Control and monitor your system on the go with the Midea Air app—available from the App Store® and Google Play™. Features are intuitive and easy to navigate.

***not all products are wi-fi enabled**



EASY-TO-CLEAN AIR FILTERS

Our filters are specifically manufactured for cleaner air quality and reduced allergens. The filtration systems also allow for easy cleaning and replacing.



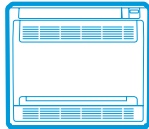
The Sweet Spot Between Cold Fronts & Heat Waves

Show extreme temperatures who's boss.

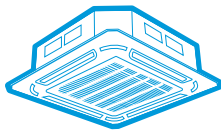
Our solutions deliver quality performance across a broad range of environments for year-round comfort control. In fact, our ductless systems can heat in temperatures as low as -22° F and cool in those as high as 122° F.



High wall: This is the perfect unit for open floor plans, such as a living room, where air easily circulates, and foot traffic is high. Since it sits high on the wall, the unit stays out of the way to give your room more usable space.



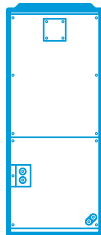
Console: Choose this unit for areas like a sunroom or finished attic, with shorter walls and minimal insulation. This unit sits about six inches off the floor as to not obstruct your view or lighting.



Cassette: This is a great solution when you need four-way directional air flow, like in a home office. The unit recesses into the ceiling and can be placed in the center of the room for optimal comfort and control.

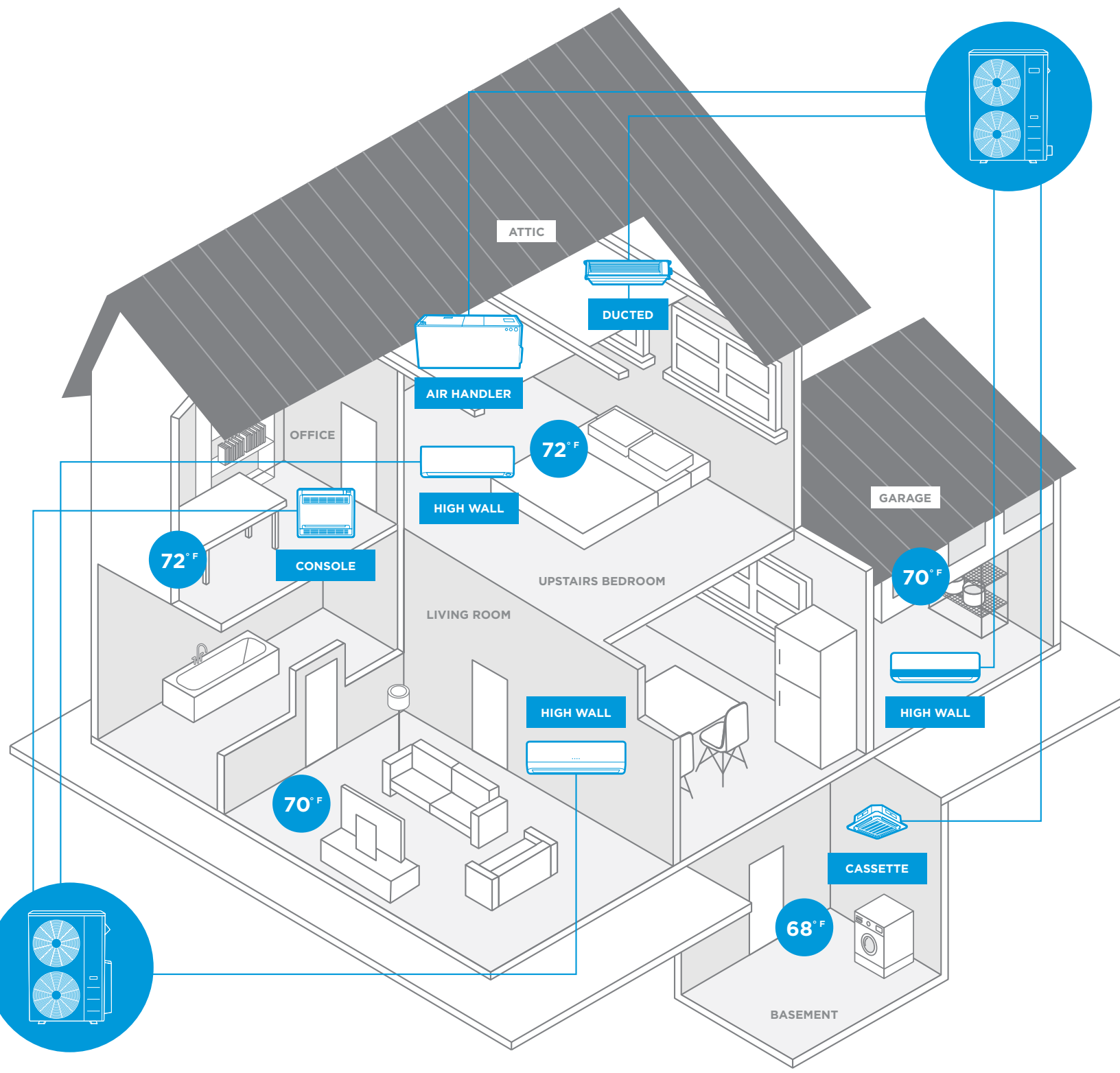


Ducted: This unit is great when you want to leverage the same ductwork for two or more small spaces, like a bathroom and a closet. It can be installed in the ceiling, floor, or wall to keep the unit hidden while still getting the flexibility of a ductless system.



Air Handler: A ductless unit that leverages existing ductwork. A perfect replacement for aging or failing furnaces. Enjoy the benefits of ductless technology without completely overhauling your current systems.

Outdoor units can be strategically placed to minimize noise heard in living spaces or from patios or outdoor gathering spaces. Narrow cabinets make installation possible in small outdoor spaces or on small lots.



For the Tiny Moments That Make a Huge Impact

Midea has engineered the small conveniences that enhance the human experience since 1968.

We're the world's leading manufacturer of HVAC systems.

Those who know us trust our ongoing commitment to technological innovation and consumer-driven product development. We are forever focused on the constant improvement of our offerings and providing the best service possible. We're tirelessly working to develop unique solutions that better help people live comfortably.


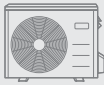






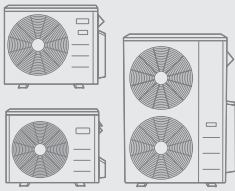

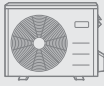

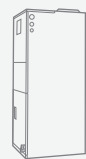
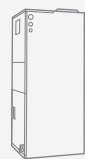


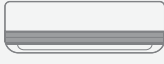
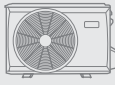
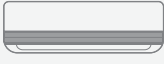
#1 


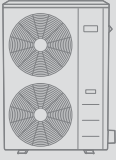

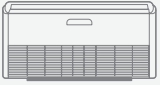

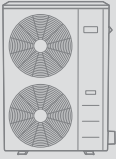
World's
No. 1 Air-
treatment
Company

Source: Euromonitor International Limited; Consumer Appliances 19ed, retail volume sales in units, 2018 data



The Right Product for the Right Application

	SINGLE ZONE RESIDENTIAL		MULTI-ZONE	
	Indoor Units	Outdoor Units	Indoor Units	Outdoor Units
ELEVATE SERIES	 DHMPHA High Wall Sizes: 09 / 12	 38MPRA Outdoor Unit Up to 42.0 SEER Sizes: 09 / 12 / 18 / 24	 DHMPHA High Wall Sizes: 09 / 12	
	 DHMPHA High Wall Sizes: 18 / 24			
EXCEL SERIES	 DHMAHB High Wall Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36		 DHMAHB High Wall Sizes: 06 / 09 / 12 / 18 / 24	
	 40MBCQ Cassette Sizes: 09 / 12 / 18 / 24		 40MBCQ Cassette Sizes: 09 / 12 / 18 / 24	 38MGR Outdoor Unit Up to 23.8 SEER Sizes: 18 / 24 / 30 / 36 / 48
	 40MBDQ Ducted Sizes: 09 / 12 / 18 / 24	 38MARB Outdoor Unit Up to 28.1 SEER Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36	 40MBDQ Ducted Sizes: 09 / 12 / 18 / 24	
	 40MBAA Air Handler Sizes: 24		 40MBAA Air Handler Sizes: 24	
	 40MBFQ Console Sizes: 12 / 18 / 24		 40MBFQ Console Sizes: 12 / 18 / 24	
ESSENCE SERIES	 40MHH High Wall Sizes: 09 / 12 / 18 / 24	 38MHRC Outdoor Unit Up to 19.8 SEER Sizes: 09 / 12 / 18 / 24	 40MHH High Wall Sizes: 09 / 12 / 18 / 24	

SINGLE ZONE LIGHT COMMERCIAL	
Indoor Units	Outdoor Units
 40MBCQ Cassette Sizes: 36 / 48	 38MBR Outdoor Unit Up to 18.0 SEER Size: 58
 40MBDQ Ducted Sizes: 36 / 48 / 58	
 40MBFQ Console Sizes: 36 / 48 / 58	
 40MBAA Air Handler Sizes: 36 / 48	
	 38MBRB Outdoor Unit Up to 16.5 SEER Sizes: 36 / 48

SYSTEM	SIZES	SEER	HSPF	Page
SINGLE ZONE RESIDENTIAL				
38MPRA Outdoor Unit	Sizes: 09 / 12 / 18 / 24	Up to 42.0 SEER	Up to 15.0 HSPF	15-16
DHMPHA High Wall	Sizes: 09 / 12			17-18
DHMPHA High Wall	Sizes: 18 / 24			19-20
SINGLE ZONE RESIDENTIAL				
38MARB Outdoor Unit	Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36	Up to 28.1 SEER	Up to 13.0 HSPF	21-24
DHMAHB High Wall	Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36			25-26
40MBCQ Cassette	Sizes: 09 / 12 / 18 / 24			27-28
40MBDQ Ducted	Sizes: 09 / 12 / 18 / 24			29-30
40MBFQ Console	Sizes: 12 / 18 / 24			31-32
40MBAA Air Handler	Sizes: 24			33-34
SINGLE ZONE RESIDENTIAL				
38MHRC Outdoor Unit	Sizes: 09 / 12 / 18 / 24	Up to 19.8 SEER	10.6 HSPF	37-40
40MHH High Wall	Sizes: 09 / 12 / 18 / 24			41-44
MULTI-ZONE				
38MGR Outdoor Unit	Sizes: 18 / 24 / 30 / 36 / 48	Up to 23.8 SEER	Up to 10.5 HSPF	49-52
SINGLE ZONE LIGHT COMMERCIAL				
38MBR Outdoor Unit	Size: 58	Up to 18.0 SEER	Up to 11.5 HSPF	55-58
38MBRB Outdoor Unit	Sizes: 36 / 48	Up to 16.5 SEER	Up to 10.4 HSPF	59-60
40MBCQ Cassette	Sizes: 36 / 48			61-62
40MBDQ Ducted	Sizes: 36 / 48 / 58			63-64
40MBFQ Console	Sizes: 36 / 48 / 58			65-66
40MBAA Air Handler	Sizes: 36 / 48			67-68

SINGLE ZONE RESIDENTIAL



38MPRA Outdoor Unit
Up to 42.0 SEER
Sizes: 09 / 12 / 18 / 24



DHMPHA High Wall
Sizes: 09 / 12



DHMPHA High Wall
Sizes: 18 / 24



38MARB Outdoor Unit
Up to 25.1 SEER
Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36



DHMAHB High Wall
Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36



40MBCQ Cassette
Sizes: 09 / 12 / 18 / 24



40MBDQ Ducted
Sizes: 09 / 12 / 18 / 24



40MBFQ Console
Sizes: 12 / 18 / 24



40MBAA Air Handler
Sizes: 24



38MHRC Outdoor Unit
Up to 19.8 SEER
Sizes: 09 / 12 / 18 / 24



40MHH High Wall
Sizes: 09 / 12 / 18 / 24



A Versatile Outdoor Unit for Precise Temperature Control

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)
- Anti-corrosive fin coating
- 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:

- DHMPHA High Wall (p 17)

Heat Pump with Basepan Heater

Inverter Compressor

Up to 42.0 SEER

Up to 15.0 HSPF

Sizes: 09 / 12 / 18 / 24

All systems are ENERGY STAR® certified



KEY FEATURES

Extra Low Temperature Heating

Heat output up to 75% of rated capacity down to -22° F (-30° C), so when it's cold outside, it will be warm inside, making this a primary heat source and reducing the need for a backup heat source.

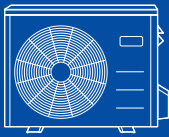
Stepless Frequency Adjustment

Precise control of the system maintains stable and constant room temperature while reducing sound level and energy consumed.

COMPATIBILITY:

Indoor Unit		Outdoor Unit			
		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
High Wall	DHMPHAQ09XA3	•			
	DHMPHAQ12XA3		•		
	DHMPHAQ18XA3			•	
	DHMPHAQ24XA3				•

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



SPECIFICATIONS:

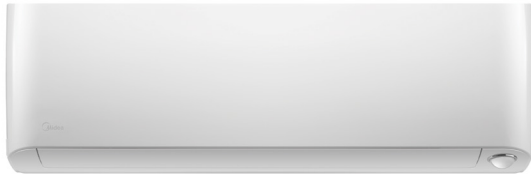
38MPRA Outdoor Unit					
Heat Pump					
System					
Size		9	12	18	24
Outdoor Model		38MPRAQ09AA3	38MPRAQ12AA3	38MPRAQ18AA3	38MPRAQ24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	13	15	18	20
MOCP - Fuse Rating	A.	15	20	30	30
Operating Range					
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)
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	CFM	1,380	1,380	2,236	2,236
Sound Pressure	dB(A)	55.5	56.0	61.5	62.0

*Condensing unit above or below indoor unit.

PERFORMANCE:

High Wall					
Indoor Model		DHMPHAQ09XA3	DHMPHAQ12XA3	DHMPHAQ18XA3	DHMPHAQ24XA3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.8	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	5000~17,000	5,800~19,000	6,888~30,511	7,445~32,644
SEER		42.0	32.0	28.2	23.5
EER		15	13.5	14.5	13.65
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	7,200	6,800	12,300	15,450
Heating Maximum Capacity (17° F)	Btu/h	15,690	17,070	22,000	22,000
Heating Maximum Capacity (5° F)	Btu/h	13,000	13,800	18,000	24,000
Heating Maximum Capacity (-13° F)	Btu/h	8,917	9,782	16,572	19,799
Heating Cap. Range Min - Max	Btu/h	3,100~19,000	3,500~21,000	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 (17° F)	W/W	2.78	2.64	3.20	3.00
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.



Superior Comfort from a Single Energy Efficient Unit

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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MPRA Outdoor Unit Single Zone (p 15)
- 38MGR Outdoor Unit Multi-Zone (p 49)

Sizes: 09 / 12

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



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 KSACN0601AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0601AAA

ACCESSORIES

24V Interface for third-party thermostat compatibility KSAIC0301230



SPECIFICATIONS:

DHMPHA High Wall			
Heat Pump			
System			
Size		9	12
Indoor Model		DHMPHAQ09XA3	DHMPHAQ12XA3
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)

COMPATIBILITY:

Indoor Unit	DHMPHAQ09XA3	DHMPHAQ12XA3
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.



High Efficiency & Performance for Large Spaces

INDOOR FEATURES

- Available in 208/230V
- 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
- Wi-Fi® Built-in
- ECO Mode
- Carbon filter
- Follow Me (senses temperature at the handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 29dB(A)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MPRA Outdoor Unit Single Zone (p 15)

Sizes: 18 / 24

ENERGY STAR® certified based on outdoor unit pairing



KEY FEATURES

Large Residential Applications

A solution for large residential applications where more airflow or load is necessary, such as basements, garages, large living rooms, or even used as a centralized system.

Light Commercial Applications

With excellent performance and capacity these units can be installed in larger load applications like Restaurants, Offices, and Data Closets / IT rooms.

Wi-Fi®

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



CONTROLS

Wireless Remote Controller included with indoor unit
Optional Wired Remote Controller KSACN0601AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0601AAA

ACCESSORIES

24V Interface for third-party thermostat compatibility KSAIC0301230



SPECIFICATIONS:

DHMPHA High Wall			
Heat Pump			
System			
Size		18	24
Indoor Model		DHMPHAQ18XA3	DHMPHAQ24XA3
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
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)

COMPATIBILITY:

Indoor Unit	DHMPHAQ18XA3	DHMPHAQ24XA3
Outdoor Unit Single Zone*	38MPRAQ18AA3	38MPRAQ24AA3

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

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



An Efficient Outdoor Unit for Maximum Performance

STANDARD FEATURES

- 100% Heating capacity at -4° F (-20° C)*
- 100% Cooling capacity at -22° F (-30° C) without additional kit
- Available in 208/230V (9-36K) and 115V (12K)
- Built-in basepan heater
- Auto-restart function
- Anti-corrosive fin coating
- Piping length up to 213 ft (65m)
- Cooling operating range -22° ~ 130° F (-30° ~ 55° C)
- Heating operating range -22° ~ 86° F (-25° ~ 30° C)

COMPATIBLE WITH:

- DHMAHB High Wall (p 25)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 31)
- 40MBAA Air Handler (p 33)
- FX4D Fan Coil
- FB4C Fan Coil

Heat Pump with Basepan Heater

Inverter Compressor

Up to 28.1 SEER

Up to 13.0 HSPF

Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36 (208-230V); Size 12 (115V)



KEY FEATURES

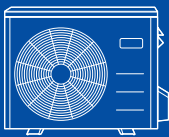
Extra Low Temperature Heating

Heat output up to 69% of rated capacity at -22° F (-30° C). So, when it's cold outside, it will be warm inside, making this a primary heat source and eliminating the need for a backup.

Rapid Cooling & Heating

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

NOTE: Grille is required; sold separately.



PERFORMANCE:

DHMAHB High Wall																	
Size	12		6		9		12		18		24		30		36		
Indoor Model	DHMAHBQ12XA1		DHMAHBQ06XA3		DHMAHBQ09XA3		DHMAHBQ12XA3		DHMAHBQ18XA3		DHMAHBQ24XA3		DHMAHBQ30XA3		DHMAHBQ36XA3		
ENERGY STAR®	YES		YES		YES		YES		YES		YES		NO		NO		
Cooling Rated Capacity	Btu/h	12,000	6,000		9,000		12,000		18,000		24,000		30,000		36,000		
Cooling Cap. Range Min - Max	Btu/h	3,500~13,200		2,500~11,000		3,300~13,400		3,300~14,300		8,870~19,400		6,850~2,700		9,070~30,700		9,300~38,800	
SEER		23.0		26.5		28.1		25.5		21.5		21.5		20.0		17.5	
EER		13.0		15.8		16.2		14		12.5		13.0		11.5		8.5	
Heating Rated Capacity (47° F)	Btu/h	12,100		7,400		11,800		12,000		18,000		29,000		30,000		36,000	
Heating Rated Capacity (17° F)	Btu/h	7,400		4,900		7,500		7,500		10,800		19,800		19,000		22,400	
Heating Maximum Capacity (17° F)	Btu/h	12,200		9,000		12,000		12,000		14,000		24,480		20,670		23,600	
Heating Maximum Capacity (5° F)	Btu/h	7,100		7,500		10,500		12,000		18,000		25,400		17,200		20,400	
Heating Cap. Range Min - Max	Btu/h	5,000~12,200		3,500~11,600		5,000~15,200		5,000~15,300		8,400~19,500		8,600~31,000		8,600~34,800		11,570~37,000	
HSPF		11.5		14.0		13.0		13.0		13.0		12.0		9.6		9.0	
COP (47° F)	W/W	3.70		3.90		3.81		3.81		3.10		3.40		2.60		2.51	
COP (17° F)	W/W	2.67		3.05		3.00		3.00		2.80		3.05		2.25		2.18	
COP (5° F)	W/W	2.18		1.90		1.80		1.75		1.78		1.75		1.75		1.75	

PERFORMANCE:

40MBCQ Cassette									
Size	9		12		18		24		
Indoor Model	40MBCQ09---3		40MBCQ12---3		40MBCQ18---3		40MBCQ24---3		
ENERGY STAR®	YES		YES		YES		NO		
Cooling System Tons		0.75		1.00		1.33		2.00	
Cooling Rated Capacity	Btu/h	9,000		12,000		16,000		24,000	
Cooling Cap. Range Min - Max	Btu/h	2,850~11,100		3,000~13,700		5,600~17,000		8,000~25,000	
SEER		20.5		21.5		20.0		20.0	
EER		13.0		12.7		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	6,650		8,250		11,200		15,100	
Heating Maximum Capacity (17° F)	Btu/h	11,800		14,000		21,000		24,200	
Heating Maximum Capacity (5° F)	Btu/h	10,200		11,500		17,000		24,100	
Heating Cap. Range Min - Max	Btu/h	1,800~12,500		2,000~15,300		8,700~21,000		11,840~27,000	
HSPF		10.8		10.6		10.3		11.6	
COP (47° F)	W/W	2.93		3.22		2.88		3.50	
COP (17° F)	W/W	1.80		2.20		1.80		2.70	
COP (5° F)	W/W	1.79		1.86		1.68		1.75	

PERFORMANCE:

40MBDQ Ducted									
Size	9		12		18		24		
Indoor Model	40MBDQ09---3		40MBDQ12---3		40MBDQ18---3		40MBDQ24---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	2,400~12,500		2,250~14,400		6,500~18,800		6,500~27,800	
SEER		23.0		21.5		19.6		20.6	
EER		14.0		13.0		12.5		12.5	
Heating Rated Capacity (47° F)	Btu/h	10,000		12,000		19,000		24,600	
Heating Rated Capacity (17° F)	Btu/h	6,450		8,350		12,700		16,500	
Heating Maximum Capacity (17° F)	Btu/h	11,600		12,900		21,500		26,500	
Heating Maximum Capacity (5° F)	Btu/h	9,900		12,400		17,800		24,600	
Heating Cap. Range Min - Max	Btu/h	1,700~15,600		1,800~16,300		8,900~22,000		12,200~32,200	
HSPF		12.0		11.5		11.0		12.6	
COP (47° F)	W/W	3.62		3.52		2.93		3.66	
COP (17° F)	W/W	1.90		2.00		1.90		2.80	
COP (5° F)	W/W	1.78		1.87		1.75		2.01	

38MARB OUTDOOR UNIT

PERFORMANCE:

40MBFQ Console				
Size		12	18	24
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---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	2,800~13,500	7,800~19,900	9,000~26,800
SEER		23.0	20.2	20.2
EER		13.0	12.5	11.5
Heating Rated Capacity (47° F)	Btu/h	12,000	18,000	24,600
Heating Rated Capacity (17° F)	Btu/h	8,400	12,000	15,240
Heating Maximum Capacity (17° F)	Btu/h	13,100	20,700	26,661
Heating Maximum Capacity (5° F)	Btu/h	12,100	16,400	23,600
Heating Cap. Range Min - Max	Btu/h	2,350~15,700	8,600~21,500	12,500~30,500
HSPF		11.5	10.6	11.6
COP (47° F)	W/W	3.22	3.19	3.52
COP (17° F)	W/W	2	1.8	2.7
COP (5° F)	W/W	1.84	1.80	1.80

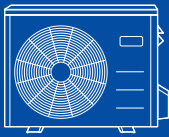
PERFORMANCE:

40MBAA Air Handler		
Size		24
Indoor Model		40MBAA024XA3
ENERGY STAR®		YES
Cooling System Tons		1.80
Cooling Rated Capacity	Btu/h	22,000
Cooling Cap. Range Min - Max	Btu/h	7,500~26,000
SEER		20.0
EER		12.5
Heating Rated Capacity (47° F)	Btu/h	27,000
Heating Rated Capacity (17° F)	Btu/h	16,500
Heating Maximum Capacity (17° F)	Btu/h	25,000
Heating Maximum Capacity (5° F)	Btu/h	21,500
Heating Cap. Range Min - Max	Btu/h	5,600~31,000
HSPF		11.6
COP (47° F)	W/W	3.77
COP (17° F)	W/W	2.60
COP (5° F)	W/W	1.80

SPECIFICATIONS:

38MARB Outdoor Unit									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Outdoor Model		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
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	208/230-1-60
MCA	A.	19	13	15	15	16	25	23	28
MOCP - Fuse Rating	A.	25	15	15	15	25	35	30	35
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)	-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)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)
Piping									
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	213 (65)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	65 (20)	65 (20)	82 (25)	98 (30)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	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)	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	R410A
Charge	in (mm)	2.47 (1.12)	2.38 (1.08)	2.6 (1.18)	2.6 (1.18)	4.08 (1.85)	5.73 (2.6)	6.06 (2.75)	7.50 (3.40)
Compressor									
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor									
Unit Width	in (mm)	30.12 (765)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	24.02 (610)	21.85 (555)	24.21 (615)	24.21 (615)	29.13 (740)	34.84 (885)	34.84 (885)	34.84 (885)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (410)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	66.80 (30.3)	63.71 (28.9)	74.07 (33.6)	73.63 (33.4)	100.97 (45.8)	134.48 (61)	141.76 (64.3)	150.13 (68.1)
Airflow	CFM	794	1,324	1,324	1,324	1,765	2,235	2,235	2,235
Sound Pressure	dB(A)	54.0	54.5	54.5	56.0	59.0	62.0	61.5	61.5

*Condensing unit above or below indoor unit.



COMPATIBILITY:

Indoor Unit		Outdoor Unit							
		38MAQB12R--1		38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
DHMAHB High Wall	DHMAHBQ12XA1	•							
	DHMAHBQ06XA3		•						
	DHMAHBQ09XA3			•					
	DHMAHBQ12XA3				•				
	DHMAHBQ18XA3					•			
	DHMAHBQ24XA3						•		
	DHMAHBQ30XA3							•	
	DHMAHBQ36XA3								•
40MBCQ Cassette*	40MBCQ09---3			•					
	40MBCQ12---3				•				
	40MBCQ18---3					•			
	40MBCQ24---3						•		
	40MBCQ36---3								
	40MBCQ48---3								
40MBDQ Ducted*	40MBDQ09---3			•					
	40MBDQ12---3				•				
	40MBDQ18---3					•			
	40MBDQ24---3						•		
	40MBDQ36---3								
	40MBDQ48---3								
40MBFQ Console*	40MBDQ58---3								
	40MBFQ12---3				•				
	40MBFQ18---3					•			
	40MBFQ24---3						•		
	40MBFQ36---3								
	40MBFQ48---3								
		40MBFQ58---3							

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



STANDARD FEATURES

- Available in 208/230V (9-36K) or 115V (12K)
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully Modulating fan speeds
- Sleep Mode
- Up-Down / Left-Right louver control (fixed or swing)
- Relative Humidity Sensor with percentage and temperature control
- Intelligent Eye (Occupancy Sensor)
- ECO Mode
- Heating Setback (46° F Heating Mode)
- Anti-corrosive fin coating
- BACNet compatible

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 49)

A Time-Saving Design for Improved Serviceability & Efficiency

Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36 (208-230V); Size 12 (115V)

Up to 28.1 SEER

Up to 13.0 HSPF



KEY FEATURES

Time-saving Design

The unit disassembles quickly with a removable filter on top for simplified maintenance. The motor and blower can be serviced without removing the cabinet.

Improved Efficiency & Performance

ECO mode with intelligent eight-hour night cycle program saves up to 60% of energy for improved overnight comfort, efficiency and performance.

Customizable Comfort

Compatible with both single and multi-zone outdoor units for maximum flexibility.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0801AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable)KSACN0801AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0601AAA



24V Interface for third-party thermostat compatibility KSAIC0301230



SPECIFICATIONS:

DHMAHB High Wall									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Indoor Model		DHMAHBQ12XA1	DHMAHBQ06XA3	DHMAHBQ09XA3	DHMAHBQ12XA3	DHMAHBQ18XA3	DHMAHBQ24XA3	DHMAHBQ30XA3	DHMAHBQ36XA3
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	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit							
MCA	A.	0.2500	0.3125	0.3125	0.3125	0.1625	0.6250	0.6250	0.6250
Controls									
Wireless Remote Controller (° F/° C Convertible)		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Wired Remote Controller (° F/° C Convertible)		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
24V Interface for 3rd Party Thermostat Control		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Wi-Fi® Control for Phone App Control		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Operating Range									
Cooling Outdoor 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)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
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)	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)	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)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor Coil									
Face Area	Sq. Ft.	2.15	2.15	2.15	2.15	2.75	3.60	3.60	3.60
No. Rows		2	2	2	2	2	3	3	3
Fins per inch		20	20	20	20	20	20	20	20
Circuits		3	3	3	3	4	7	7	7
Indoor									
Unit Width	in (mm)	31.3 (795)	31.3 (795)	31.3 (795)	31.3 (795)	37.99 (965)	44.88 (1140)	44.88 (1140)	44.88 (1140)
Unit Height	in (mm)	11.61 (295)	11.61 (295)	11.61 (295)	11.61 (295)	12.56 (319)	14.57 (370)	14.57 (370)	14.57 (370)
Unit Depth	in (mm)	8.86 (225)	8.86 (225)	8.86 (225)	8.86 (225)	9.41 (239)	10.83 (275)	10.83 (275)	10.83 (275)
Net Weight	lbs (kg)	22.93 (10.4)	22.71 (10.3)	22.71 (10.3)	22.93 (10.4)	27.12 (12.3)	43.65 (19.8)	43.65 (19.8)	43.65 (19.8)
Number of Fan Speeds		4	4	4	4	4	4	4	4
Airflow (lowest to highest)	CFM	235/294/353/412	176/229/335/382	176/229/335/382	176/229/335/382	306/376/524/635	319/414/611/719	382/505/646/843	382/506/639/843
Sound Pressure (lowest to highest)	dB(A)	24/30/41/47	32/34/38/47	32/34/38/47	30/32/37/47	37/40/46/48	37/39/44/52	38/41/46/52	39/41/46/52
Air Throw Data	ft (m)	27.9 (8.5)		24.9 (7.6)	26.2 (8.0)	27.9 (8.5)	31.5 (9.6)	33.8 (10.3)	33.8 (10.3)
Moisture Removal	Pint/h (L/h)	0.048 (0.023)		0.015 (0.007)	0.046 (0.022)	0.091 (0.044)	0.108 (0.052)	0.154 (0.074)	0.240 (0.115)
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)	0.625 (16)

COMPATIBILITY:

Indoor Unit	DHMAHBQ12XA1	DHMAHBQ06XA3	DHMAHBQ09XA3	DHMAHBQ12XA3	DHMAHBQ18XA3	DHMAHBQ24XA3	DHMAHBQ30XA3	DHMAHBQ36XA3
Outdoor Unit Single Zone*	38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
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.



Maximum Flexibility for Optimal Comfort Control

INDOOR FEATURES

- Available in 208/230V
- Up to 20.0 SEER and 10.5 HSPF when paired with the 38MARB 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 handheld remote)
- Heating Setback (46° F Heating Mode)
- Quiet indoor operation, as low as 34 dB(A)
- Anti-corrosive fin coating
- Grille/ceiling panel 2' x 2' sizes 09 to 18 40MBCQ01XXX3
- Grille/ceiling panel 3' x 3' size 24 40MBCQ02XXX3

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 49)

Sizes: 09 / 12 / 18 / 24

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



KEY FEATURES

Built-in Condensate Lift Pump

The cassette is supplied with a condensate lift pump that is capable of lifting the water 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
KSACN0701AAA (7-Day Programmable)



Wireless Remote Controller



Optional Wired Remote Controller (Timer Function)
KSACN0101AAA



Optional Wired Remote Controller (7-Day Programmable)
KSACN0701AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230

NOTE: Grille is required; sold separately.



SPECIFICATIONS:

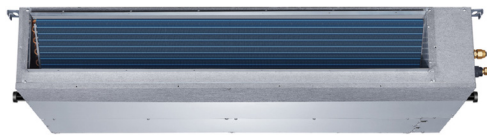
40MBCQ Cassette					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit			
MCA	A.	0.2	0.2	0.2	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*	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3
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.



INDOOR FEATURES

- Available in 208/230V
- Up to 23.0 SEER and 12.5 HSPF when paired with the 38MARB outdoor unit
- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical or horizontal installation
- Up to 0.64 in. W.C.
- 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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 49)

Flexible Installation & Increased Air Circulation

Sizes: 09 / 12 / 18 / 24

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



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 that is capable of lifting the water 29.5 in. (750 mm.) above the top of the unit.

CONTROLS

Wireless Remote Controller included with indoor unit

Wired Remote Controller KSACN0101AAA (Timer Function)

Wired Remote Controller KSACN0701AAA (7-Day Programmable) included with indoor unit



Wireless Remote Controller



Wired Controller (Timer Function) KSACN0101AAA



Wired Controller (7-Day Programmable) KSACN0701AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230



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)	62~90 (17~32)	62~90 (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)	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 (W.C.)	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*	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3
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.



A Single Console for Optimized Heating & Cooling

OUTDOOR FEATURES

- Available in 208/230V
- Up to 20.0 SEER and 11.6 HSPF when paired with the DLCSRB 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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- DLCSRB Outdoor Unit Single Zone (p 21)
- DLCSRB Outdoor Unit Multi-Zone (p 49)

Sizes: 12 / 18 / 24

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



KEY FEATURES

2-Way Optional Air Outlet

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

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 KSACN0601AAA (7-Day Programmable) size 12

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable) sizes 18 and 24



Wireless Remote Controller



Optional Wired Remote Controller (Timer Function) KSACN0101AAA



Optional Wired Remote Controller (7-Day Programmable) KSACN0601AAA & KSACN0701AAA

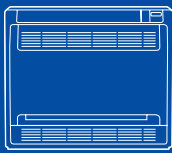
ACCESSORIES

Wi-Fi® Kit (sizes 18-24 only*) KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230

*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 (1068)	42.05 (1068)
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*	DLCSRBQ12AA3	DLCSRBQ18AA3	DLCSRBQ24AA3
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.



A Multi-Poise Indoor Unit for **Maximum Flexibility**

INDOOR FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Up to 20.0 SEER and 10.4 HSPF
- Multi poise installation (Up Flow, Down Flow, Horizontal Right, Horizontal Left)
- Total system static pressure up to 0.8 in. W.C.
- Less than 2% air leakage
- Quiet indoor operation
- Built-in third-party thermostat compatibility
- Anti-corrosive fin coating
- Extreme heating operation in as low as -22° F (-30° C)
- Optional Electric Heat Packages available (5,10,15 and 20 KW)
- Powered from the outdoor unit

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 49)
- 38MBRB Outdoor Unit Single Zone (p 57)

Size: 24 / 36 / 48

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



KEY FEATURES

Installation Flexibility

A built-in secondary drain allows the unit to be mounted vertically (up flow or down flow) or horizontally (left or right), enabling multi-position installation. All three sizes are capable of operating as traditional central ducted systems when paired with a compatible single zone outdoor unit.

Multi-Zone Compatibility

The Size 24 air handler can connect to select multi-zone outdoor units to create one integrated system, enabling unique zoned comfort and efficiency.

Efficient Comfort

As an alternate to gas furnaces, reduce the use of fossil fuels and experience cleaner energy and efficiency levels that meet many local and federal requirements.

CONTROLS

Factory installed 24V Interface for third-party thermostat compatibility*

Wireless Remote Controller included

ACCESSORIES

Electric Heat Packages EHKMA05KN, EHKMA10KN, EHKMA15KN, EHKMA20KN

NOTE: Grille is required; sold separately.



SPECIFICATIONS:

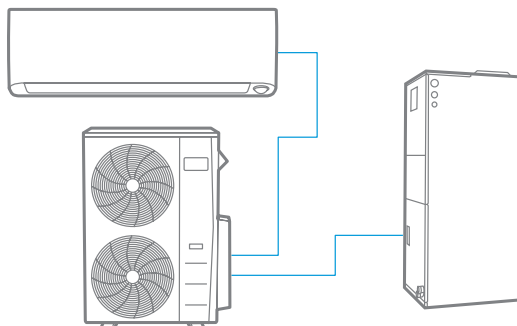
40MBAA Air Handler				
Heat Pump				
System				
Size		24	36	48
Indoor Model		40MBAAQ24XA3	40MBAAQ36XA3	40MBAAQ48XA3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	5	5	5
Controls				
Wireless Remote Controller (° F/° C Convertible)		Standard	Standard	Standard
Wired Remote Controller (° F/° C Convertible)		Standard	Standard	Standard
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	62~90 (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)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor				
Unit Width	in (mm)	19.6 (498)	19.6 (498)	19.6 (498)
Unit Height	in (mm)	48.8 (1,240)	48.8 (1,240)	48.8 (1,240)
Unit Depth	in (mm)	21.0 (533)	21.0 (533)	21.0 (533)
Net Weight	lbs (kg)	141.1 (64)	144.8 (65.7)	144.8 (65.7)
Number of Fan Speeds		4	4	4
Airflow (lowest to highest)	CFM	588/765/882	824/1,000/1,176	1,176/1,294/1,412
Sound Pressure - Cooling (lowest to highest)	dB(A)	37.2/40.4/43/45.2	37.2/40.4/43/45.2	37.2/40.4/43/45.2
Sound Pressure - Heating (lowest to highest)		35.8/38.7/41.7	37.9/43/46.5/48	50/51.9/53.9/54.9
Max Static Pressure	In W.C.	0.80	0.80	0.80
Field Drain Pipe Size O.D.	in (mm)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)

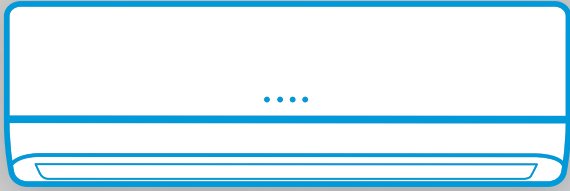
*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

COMPATIBILITY:

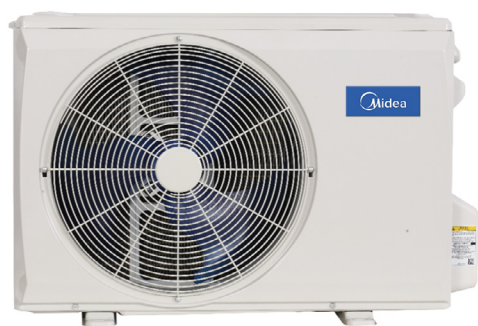
Indoor Unit	40MBAAQ24XA3	40MBAAQ36XA3	40MBAAQ48XA3
Outdoor Unit Single Zone	38MARBQ24AA3	38MBRBQ36AA3	38MBRBQ48AA3
Outdoor Unit Multi-Zone	38MGRQ30D--3		
	38MGRQ36D--3		
	38MGRQ48E--3		

Multi-Zone configuration:









A Cost-Effective Outdoor Unit for **Maximum Indoor Comfort**

OUTDOOR FEATURES

- Cost competitive
- Factory installed basepan heater
- Factory installed crankcase heater
- Auto-restart function
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 40MHHC High Wall Cooling only (p 42)
- 40MHHQ High Wall Heat Pump (p 39)

Cooling Only - 38MHRCC

Heat Pump - 38MHRCQ With Basepan Heater

Sizes: 09 / 12 / 18 / 24 (208-230V); Size 12 (115V)

Up to 19.8 SEER

Up to 11.2 HSPF

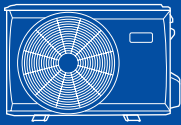
KEY FEATURES

Easy Maintenance

Simple and fast installation and maintenance means less system downtime and costs.

Small Physical Size

With an optimized cabinet design and small footprint, the unit is unobtrusive and quiet.



SPECIFICATIONS:

38MHRCQ Outdoor Unit						
Heat Pump						
System						
Size		12	9	12	18	24
Outdoor Model		38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3
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.	18.5	12	15	15	19
MOCP - Fuse Rating	A.	25	15	15	20	30
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)
Cooling 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)	32 (10)	32 (10)	32 (10)	65 (20)	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)
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)	1.79 (0.81)	1.59 (0.72)	1.79 (0.81)	2.98 (1.35)	3.92 (1.78)
Compressor						
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor						
Unit Width	in (mm)	30.12 (765)	30.12 (765)	30.12 (765)	31.69 (805)	35.04 (890)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	21.81 (554)	26.50 (673)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	11.93 (303)	12.99 (330)	13.46 (342)
Net Weight	lbs (kg)	62.17 (28.2)	55.11 (25.0)	59.30 (26.9)	73.85 (33.5)	97.88 (44.4)
Airflow	CFM	1,235	1,294	1,235	1,235	1,765
Sound Pressure	dB(A)	53.5	55.0	55.5	55.0	59.5

*Condensing unit above or below indoor units.

COMPATIBILITY:

Indoor Unit		Outdoor Unit				
		38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3
40MHHQ High Wall	40MHHQ12---1	•				
	40MHHQ09---3		•			
	40MHHQ12---3			•		
	40MHHQ18---3				•	
	40MHHQ24---3					•

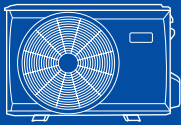
PERFORMANCE:

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	0.8	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	4,500~12,100	2,650~9,500	3,300~13,000	3,760~19,900	6,760~24,300
SEER		19.8	18.5	19.8	19.0	19.0
EER		9.9	11.2	10.2	11.2	9.4
Heating Rated Capacity (47° F)	Btu/h	12,000	10,000	12,000	18,000	24,800
Heating Rated Capacity (17° F)	Btu/h	7,000	5,800	7,000	11,900	15,300
Heating Maximum Capacity (5° F)	Btu/h	7,000	6,500	8,000	10,000	14,000
Heating Cap. Range Min - Max	Btu/h	5,500~12,000	2,600~10,500	3,810~13,490	6,400~19,000	6,040~26,210
HSPF		10.8	10	10	11	10.2
COP (47° F)	W/W	3.00	3.30	3.11	3.20	3.13
COP (17° F)	W/W	2.35	2.25	2.50	2.72	2.62
COP (5° F)	W/W	1.60	1.75	1.75	2.00	1.75

PERFORMANCE:

40MHHC High Wall					
Cooling Only					
Indoor Unit		40MHHC12--A1	40MHHC12--A3	40MHHC18---3	40MHHC24---3
ENERGY STAR®		NO	NO	NO	NO
Cooling System Tons		1.0	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	11,500	11,500	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,200~12,800	3,200~12,900	4,500~18,000	6,760~24,300
SEER		20.5	20.5	19.0	17.1
EER		11.2	11.2	10.9	9.3

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



SPECIFICATIONS:

38MHRCC Outdoor Unit					
Cooling Only					
System					
Size		12	12	18	24
Outdoor Model		38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	19	9	19	19
MOCP - Fuse Rating	A.	30	15	30	30
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)	1.43 (0.65)	1.43 (0.65)	1.98 (0.90)	3.92 (1.78)
Compressor					
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor					
Unit Width	in (mm)	28.35 (720)	28.35 (720)	30.12 (765)	35.04 (890)
Unit Height	in (mm)	19.49 (495)	19.49 (495)	21.85 (555)	26.50 (673)
Unit Depth	in (mm)	10.63 (270)	10.63 (270)	11.93 (303)	13.46 (342)
Net Weight	lbs (kg)	51.15 (23.2)	48.72 (22.1)	61.51 (27.9)	97.88 (44.4)
Airflow	CFM	1,059	1,059	1,235	1,765
Sound Pressure	dB(A)	52.0	52.5	55.5	59.5

*Condensing unit above or below indoor units.

COMPATIBILITY:

Indoor Unit		Outdoor Unit			
		38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
40MHHC High Wall	40MHHC12--A1	•			
	40MHHC12--A3		•		
	40MHHC18---3			•	
	40MHHC24---3				•



Easy Installation for Maximum Convenience & Comfort

INDOOR FEATURES

- Available in 115V and 208/230V
- Up to 17.5 SEER and 9.0 HSPF when paired with 38MHR 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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MHR Outdoor Unit Single Zone (p 35)
- 38MGR Outdoor Unit Multi-Zone (p 49)

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 KSACN0601AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0601AAA

ACCESSORIES

Wi-Fi® Kit size 09 / 12 / 24 KSAIF0101AAA

Wi-Fi® Kit size 18 KSAIF0201AAA

24V Interface for third-party thermostat compatibility KSAIC0301230





SPECIFICATIONS:

40MHC High Wall					
Cooling Only					
System					
Size		12	12	18	24
Indoor Model		40MHC12--A1	40MHC12--A3	40MHC18---3	40MHC24---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.	0.2	0.1	0.27	0.4
Controls					
Wireless Remote Controller (° F / ° C Convertible)		Standard	Standard	Standard	Standard
Wired Remote Controller (° F / ° C Convertible)		Optional	Optional	Optional	Optional
Operating Range					
Cooling indoor DB Min - Max	° F (° C)	62~90 (17~32)	62~90 (17~32)	62~90 (17~32)	62~90 (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 (1113)
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)	19.62 (8.9)	19.62 (8.9)	25.35 (11.5)	33.29 (15.1)
Number of Fan Speeds		4	4	4	4
Airflow (lowest to highest)	CFM	198/237/331/362	191/237/334/362	344/422/505/505	418/506/600/629
Sound Pressure (lowest to highest)	dB(A)	27/33/42/44	29/33/42/45	36/40/44/45	35/41/46/48
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)	4.38 (2.07)	6.38 (3.02)
Field Drain Pipe Size O.D.	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)

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 (1113)
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*	38MHRCC12AA1	38MHRCC12AA3	38MHRCC18AA3	38MHRCC24AA3
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*	38MHRQ12A--1	38MHRQ09A--3	38MHRQ12A--3	38MHRQ18A--3	38MHRQ24A--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.

Better Installation, Service & Maintenance for a Better HVAC Experience

We take pride in providing easy-to-use ductless solutions that offer simplified and flexible installation and maintenance. Now, with an improved mounting frame, a more flexible unit design and better filter access, we've made the installation, service and maintenance of our entry tier indoor units easier than ever.



IMPROVED MOUNTING

- New hook design on the mounting frame allows for a two-inch shift to the left and right
- High Wall paper template helps with installation
- Kick-stands lift the frame to provide easier access to piping, drain connections and wiring



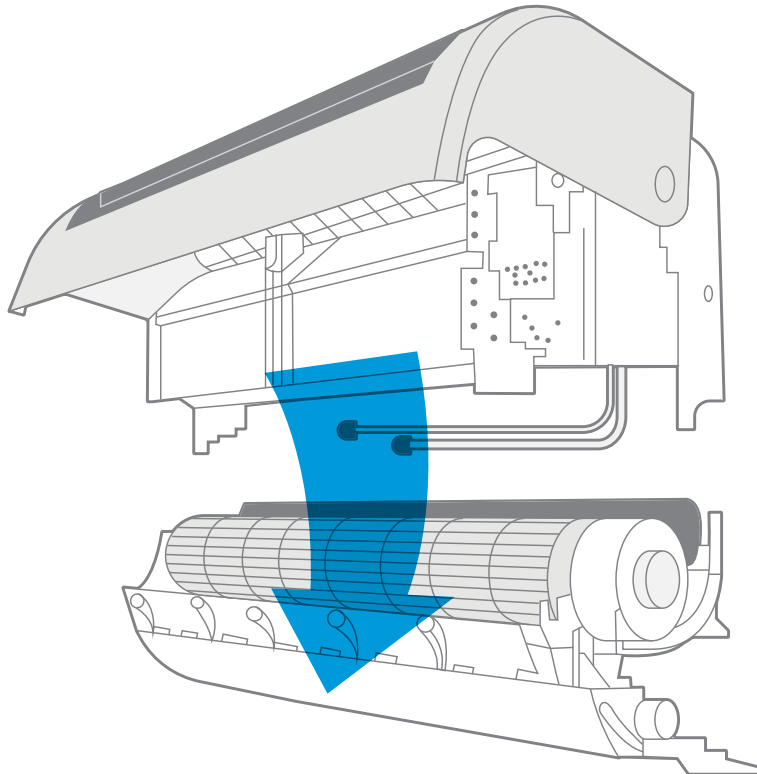
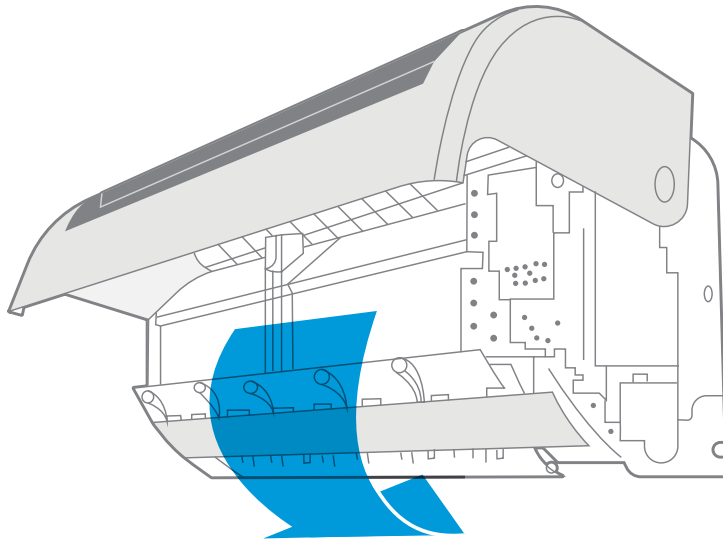
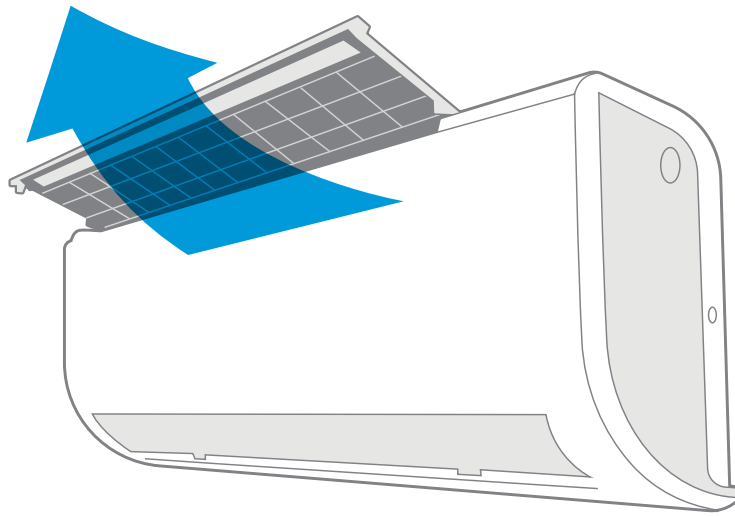
ENHANCED UNIT DESIGN

- Rotatable front panel for easier installation and maintenance
- Removable chassis for quicker cleaning and replacement of the fan motor
- With only four screws to remove, significantly reduce maintenance time

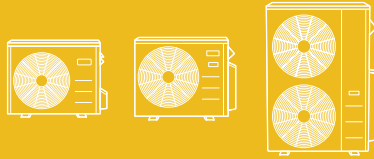


EASIER FILTER ACCESS

- Filter located on the inlet for removal from the top of the unit
- No need to forcibly open the front panel to remove, and potentially bend, the filter



MULTI-ZONE



38MGR Outdoor Unit

Up to 23.8 SEER

Sizes: 18 / 24 / 30 / 36 / 48

A Multi-Zone Outdoor Unit for **Increased Flexibility & Control**



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)
- Anti-corrosive fin coating
- 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:

- DHMPHA High Wall (p 17)
- 40MHHQ High Wall (p 39)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 63)
- 40MBAA Air Handler (p 33)

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

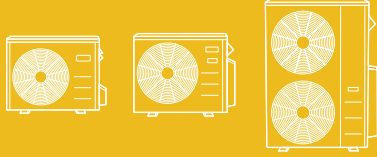
Space Saving Installation

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.

NOTE: Grille is required; sold separately.



EXCEL SERIES

38MGR OUTDOOR UNIT

PERFORMANCE:

Non-Ducted						
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
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	36,660	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 and Non-Ducted						
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
Energy Star		NO	NO	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						
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
Energy Star		NO	NO	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	2.10	1.96	1.98	1.75	1.82

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
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)
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 (1047)	41.22 (1047)	41.15 (1045)	41.15 (1045)
Unit Height	in (mm)	27.64 (702)	31.88 (810)	31.88 (810)	52.48 (1333)	52.48 (1333)
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
DHMPHA High Wall	DHMPHAQ09XA3	•	•	•	•	•
	DHMPHAQ12XA3	•	•	•	•	•
DHMAHB High Wall	DHMAHBQ06XA3	•	•	•	•	•
	DHMAHBQ09XA3	•	•	•	•	•
	DHMAHBQ12XA3	•	•	•	•	•
	DHMAHBQ18XA3		•	•	•	•
	DHMAHBQ24XA3			•	•	•
40MHHQ High Wall	40MHHQ09---3	•	•	•	•	•
	40MHHQ12---3	•	•	•	•	•
	40MHHQ18---3		•	•	•	•
	40MHHQ24---3			•	•	•
40MBCQ Cassette	40MBCQ09---3	•	•	•	•	•
	40MBCQ12---3	•	•	•	•	•
	40MBCQ18---3		•	•	•	•
	40MBCQ24---3			•	•	•
	40MBDQ09---3	•	•	•	•	•
40MBCQ Ducted	40MBDQ12---3	•	•	•	•	•
	40MBDQ18---3		•	•	•	•
	40MBDQ24---3			•	•	•
	40MBFQ12---3	•	•	•	•	•
40MBFQ Console	40MBFQ18---3		•	•	•	•
	40MBFQ24---3			•	•	•
40MBAA Air Handler	40MBAAQ24XA3			•	•	•

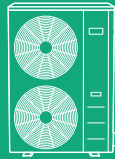


RATED COMBINATIONS:

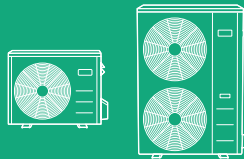
Outdoor Models	Two Zones			Three Zones				Four Zones				Five Zones						
38MGRQ18B--3	6+6	9+9																
	6+9	9+12																
	6+12	12+12																
38MGRQ24C--3	6+6			6+6+6	6+9+9	6+12+18	12+12+12											
	6+9	9+9	12+12	6+6+9	6+9+12	9+9+9												
	6+12	9+12	12+18	6+6+12	6+9+18	9+9+12												
	6+18	9+18	18+18	6+6+18	6+12+12	9+9+18												
38MGRQ30D--3	6+9	9+9	12+12	6+6+12	6+9+24	9+9+9	9+18+18	6+6+6+6	6+6+9+12	6+9+9+9	6+12+12+12							
	6+12	9+12	12+18	6+6+18	6+12+12	9+9+12	12+12+12	6+6+6+9	6+6+9+18	6+9+9+12	6+12+12+18							
	6+18	9+18	12+24	6+6+24	6+12+18	9+9+18	12+12+18	6+6+6+12	6+6+9+24	6+9+9+18	6+12+9+18							
	6+24	9+24	18+18	6+9+9	6+12+24	9+9+24	12+18+18	6+6+6+18	6+6+12+12	6+9+9+24	6+12+9+24							
				6+9+12	6+18+18	9+12+12	12+12+24	6+6+6+24	6+6+12+18	6+9+12+12	6+12+9+18							
				6+9+18	6+18+24	9+12+18		6+6+9+9	6+6+12+24	6+9+12+18	6+12+9+18							
38MGRQ36D--3	6+18	9+18	12+12	6+6+24	9+9+9	9+18+24	18+18+18	6+6+6+18	6+6+18+24	6+9+18+18	9+9+18+18							
	6+24	9+24	12+18	6+6+36	9+9+12	9+24+24	18+18+24	6+6+6+24	6+6+24+24	6+9+18+24	9+9+18+18							
			12+24	6+9+24	9+9+18	12+12+12		6+6+9+18	6+9+9+12	6+12+12+12	9+9+9+24							
			18+18	6+12+18	9+9+24	12+12+18		6+6+9+24	6+9+9+18	6+12+12+18	9+9+12+12							
			18+24	6+12+24	9+12+12	12+12+24		6+6+12+12	6+9+9+24	6+12+12+24	9+9+12+18							
			24+24	6+18+18	9+12+18	12+18+18		6+6+12+18	6+9+12+12	6+12+18+18	9+9+12+24							
				6+18+24	9+12+24	12+18+24		6+6+12+24	6+9+12+18	6+12+18+24	9+9+18+18							
				6+24+24	9+18+18	12+24+24		6+6+18+18	6+9+12+24	6+12+18+24	9+9+18+24							
38MGRQ48E--3	6+18		9+18	6+6+24	9+9+9	9+18+24	18+18+18	6+6+6+18	6+6+18+24	6+9+18+18	9+9+18+18	6+6+6+9	6+6+6+12+18	6+6+9+12+18	6+9+9+9+12	6+9+12+12+24	9+9+9+18+18	
	6+24		9+24	6+9+24	9+9+12	9+24+24	18+18+24	6+6+6+24	6+6+24+24	6+9+18+24	9+9+18+18	6+6+6+12	6+6+6+12+24	6+6+9+12+24	6+9+9+9+18	6+12+12+12+12	9+9+12+12+12	
			12+12	6+12+18	9+9+18	12+12+12		6+6+6+18	6+9+9+12	6+12+12+12	9+9+9+24	6+6+6+18	6+6+6+18+18	6+6+9+9+24	6+12+12+12+18	9+9+12+12+18	9+9+12+12+18	
			12+18	6+12+24	9+9+24	12+12+18		6+6+9+24	6+9+9+18	6+12+12+18	9+9+12+18	6+6+6+12+24	6+6+6+18+24	6+6+9+18+24	6+9+9+12+12	9+9+9+9+9	9+12+12+12+12	9+12+12+12+18
			12+24	6+18+18	9+12+12	12+12+24		6+6+12+12	6+9+9+24	6+12+12+24	9+9+12+18	6+6+6+9+9	6+6+6+9+9	6+6+12+12+12	6+9+9+12+18	9+9+9+9+12	9+12+12+12+18	9+12+12+12+18
			18+18	6+18+24	9+12+18	12+18+18		6+6+12+18	6+9+12+12	6+12+18+18	9+9+12+24	6+6+6+9+12	6+6+6+9+12	6+6+12+12+18	6+9+9+12+24	9+9+9+9+18	12+12+12+12+12	12+12+12+12+18
			18+24	6+24+24	9+12+24	12+18+24		6+6+12+24	6+9+12+18	6+12+18+24	9+9+18+18	6+6+6+9+18	6+6+6+9+18	6+6+12+12+24	6+9+9+18+18	9+9+9+9+24		
			24+24	9+9+9	9+18+18	12+24+24		6+6+18+18	6+9+12+24	6+12+18+24	9+9+18+24	6+6+6+9+24	6+6+6+9+24	6+6+12+18+18	6+9+12+12+12	9+9+9+9+24		
													6+6+6+12+12	6+6+9+12+12	6+9+9+9+9	6+9+12+12+18	9+9+9+12+18	

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

SINGLE ZONE LIGHT COMMERCIAL



38MBR Outdoor Unit
Up to 18.0 SEER
Size: 58



38MBRB Outdoor Unit
Up to 20 SEER
Sizes: 36 / 48



40MBCQ Cassette
Sizes: 36 / 48



40MBDQ Ducted
Sizes: 36 / 48 / 58



40MBFQ Console
Sizes: 36 / 48 / 58



40MBAA Air Handler
Sizes: 36 / 48



A Light Commercial Outdoor Unit for Improved Performance

OUTDOOR FEATURES

- Available in 208/230V
- Built-in basepan heater
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation, as low as 64 dB(A)
- Anti-corrosive fin coating
- 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:

- 40MBDQ Ducted (p 63)
- 40MBFQ Console (p 65)

Heat Pump with Basepan Heater

Inverter Compressor

Up to 18.0 SEER

Up to 10.5 HSPF

Size: 58

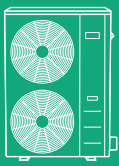
KEY FEATURES

Longer Piping Lengths

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

Low Ambient Cooling Kit

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



SPECIFICATIONS:

38MBR Outdoor Unit		
Heat Pump		
System		
Size	58	
Outdoor Model	38MBRBQ58AA3	
Electrical		
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60
MCA	A.	35
MOCP - Fuse Rating	A.	50
Operating Range		
Cooling Outdoor DB Min - Max	° F (° C)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)
Piping		
Total Piping Length	ft (m)	213 (65)
Piping Lift*	ft (m)	98 (30)
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/4 (19)
Refrigerant		
Type	R410A	
Charge	in (mm)	10.19 (4.62)
Compressor		
Type	Rotary Inverter	
Outdoor		
Unit Width	in (mm)	37.48 (952)
Unit Height	in (mm)	52.48 (1333)
Unit Depth	in (mm)	16.34 (415)
Net Weight	lbs (kg)	225.09 (102.1)
Airflow	CFM	4,415
Sound Pressure	dB(A)	64.0

*Condensing unit above or below indoor unit.

COMPATIBILITY:

Indoor Unit		Outdoor Unit
		38MBRBQ58AA3
Ducted	40MBDQ58---3	•
Console	40MBFQ58---3	•

PERFORMANCE:

40MBFQ Console		
Indoor Model	40MBFQ58---3	
ENERGY STAR®	NO	
Cooling System Tons	4.5	
Cooling Rated Capacity	Btu/h	54,000
Cooling Cap. Range Min - Max	Btu/h	18,000~58,000
SEER	18.0	
EER	9.8	
Heating Rated Capacity (47° F)	Btu/h	60,000
Heating Rated Capacity (17° F)	Btu/h	39,000
Heating Maximum Capacity (5° F)	Btu/h	35,000
Heating Cap. Range Min - Max	Btu/h	12,000~63,000
HSPF	10.5	
COP (47° F)	W/W	3.6
COP (17° F)	W/W	2.62
COP (5° F)	W/W	1.91

40MBDQ Ducted		
Indoor Model	40MBDQ58---3	
ENERGY STAR®	NO	
Cooling System Tons	4.8	
Cooling Rated Capacity	Btu/h	57,000
Cooling Cap. Range Min - Max	Btu/h	18,000~58,000
SEER	18.0	
EER	10.0	
Heating Rated Capacity (47° F)	Btu/h	62,000
Heating Rated Capacity (17° F)	Btu/h	37,600
Heating Maximum Capacity (5° F)	Btu/h	35,000
Heating Cap. Range Min - Max	Btu/h	12,000~63,000
HSPF	9.0	
COP (47° F)	W/W	3.6
COP (17° F)	W/W	2.62
COP (5° F)	W/W	1.91



Greater Flexibility for Improved Performance

OUTDOOR FEATURES

- Built-in basepan heater
- Condenser high-temperature protection
- Refrigerant leakage detection
- Quiet outdoor operation
- Anti-corrosive fin coating
- 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:

- 40MBAA Air Handler (p 33)
- 40MBCQ Cassette (p 61)
- 40MBDQ Ducted (p 63)
- 40MBFQ Floor Console (p 65)

Heat Pump with Basepan Heater

Inverter Compressor

Up to 16.5 SEER

Up to 10.4 HSPF

Sizes: 36 / 48

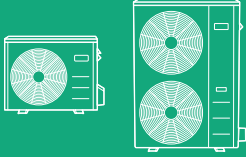
KEY FEATURES

Flexible Installation

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

Low Ambient Cooling Kit

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



SPECIFICATIONS:

38MBRB Outdoor Unit			
Heat Pump			
System			
Size		36	48
Outdoor Model		38MBRBQ36AA3	38MBRBQ48AA3
Electrical			
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60
MCA	A.	30	36.5
MOCP - Fuse Rating	A.	45	50
Operating Range			
Cooling Outdoor DB Min - Max	° F (° C)	-13~122 (-25~50)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)
Piping			
Total Piping Length	ft (m)	213 (65)	213 (65)
Piping Lift*	ft (m)	98 (30)	98 (30)
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)
Refrigerant			
Type		R410A	R410A
Charge	lbs (kg)	7.05 (3.2)	9.92 (4.5)
Compressor			
Type		Rotary Inverter	Rotary Inverter
Outdoor			
Unit Width	in (mm)	41.1 (1,045)	40.5 (1,030)
Unit Height	in (mm)	31.9 (810)	52.4 (1,333)
Unit Depth	in (mm)	17.9 (455)	17.6 (448)
Net Weight	lbs (kg)	155.42 (70.5)	219.14 (99.4)
Airflow	CFM	2,118	4,500
Sound Pressure	dB(A)	61.7	62.9

*Condensing unit above or below indoor unit.

COMPATIBILITY:

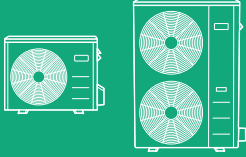
Indoor Unit		Outdoor Unit	
		38MBRBQ36AA3	38MBRBQ48AA3
40MBDQ Ducted	40MBDQ36---3	•	
	40MBDQ48---3		•
40MBAA Air Handler	40MBAAQ36XA3	•	
	40MBAAQ48XA3		•
40MBFQ Floor Console	40MBFQ36---3	•	
	40MBFQ48---3		•
40MBCQ Cassette	40MBCQ36---3	•	
	40MBCQ48---3		•

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	7,500~52,200	14,300~70,000
SEER		17.60	17.00
EER		9.00	9.50
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	22,000	29,000
Heating Capacity (5° F)	Btu/h	32,200	37,400
Heating Cap. Range Min - Max	Btu/h	12,600~55,800	15,200~59,600
HSPF		10.6	11.0
COP (47° F)	W/W	3.01	3.10
COP (17° F)	W/W	2.49	2.50
COP (5° F)	W/W	2.41	2.45

PERFORMANCE:

40MDQ Ducted			
Indoor Model		40MBDQ36---3	40MBDQ48---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	7,500~52,100	15,700~76,700
SEER		16.7	17.4
EER		9	9.2
Heating Rated Capacity (47° F)	Btu/h	40,000	50,000
Heating Rated Capacity (17° F)	Btu/h	27,000	29,000
Heating Capacity (5° F)	Btu/h	29,100	39,900
Heating Cap. Range Min - Max	Btu/h	11,400~50,500	20,200~63,600
HSPF		11.5	10.3
COP (47° F)	W/W	3.37	3
COP (17° F)	W/W	2.6	2.5
COP (5° F)	W/W	2.5	2.19



PERFORMANCE:

40MBFQ Floor Console			
Indoor Model		40MBFQ36---3	40MBFQ48---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	7,500~52,100	15,000~73,600
SEER		17	18
EER		8	9.3
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	22,000	29,000
Heating Capacity (5° F)	Btu/h	29,300	42,700
Heating Cap. Range Min - Max	Btu/h	11,400~50,000	17,400~68,000
HSPF		10.0	11.0
COP (47° F)	W/W	2.8	2.5
COP (17° F)	W/W	2.3	2.3
COP (5° F)	W/W	2.05	2.48

PERFORMANCE:

40MBAA Air Handler			
Indoor Model		40MBAAQ36XA3	40MBAAQ48XA3
Outdoor Model		38MBRBQ36AA3	38MBRBQ48AA3
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	7,500-52,200	14,300-70,000
SEER		16.5	16
EER		8.5	8.2
Heating Rated Capacity (47° F)	Btu/h	39,000	55,000
Heating Rated Capacity (17° F)	Btu/h	25,000	36,000
Heating Capacity (5° F)	Btu/h	25,800	31,500
Heating Cap. Range Min - Max	Btu/h	11,800-45,400	15,200-62,700
HSPF		10.4	9.5
COP (47° F)	W/W	3.20	2.60
COP (17° F)	W/W	2.45	2.30
COP (5° F)	W/W	2.3	2.08



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)
- Anti-corrosive fin coating
- Grille/ceiling panel 3' x 3' 40MBCQ02XXX3

COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone

(p 55)

Optimal Air Distribution & Light Commercial Comfort Control

Sizes: 36 / 48

KEY FEATURES

Built-in Condensate Lift Pump

The cassette is supplied with a condensate lift pump that is capable of lifting the water 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
KSACN0701AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable)
KSACN0701AAA



Optional Wired Remote Controller (Timer Function)
KSACN0101AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230

NOTE: Grille is required; sold separately.



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	809/958/1095	853/1030/1177
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*	38MBRBQ36AA3	38MBRBQ48AA3

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



Maximum Flexibility & Light Commercial Performance

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 W.C.
- 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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone (p 55)
- 38MBRB Outdoor Unit (p 57)

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 & 48 only.

Built-in Condensate Lift Pump

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

CONTROLS

Wireless Remote Controller included with indoor unit

Wired Remote Controller KSACN0701AAA (7-Day Programmable) included with indoor unit



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0701AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230



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 (1360)	47.24 (1200)	55.12 (1400)
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	700/910/1080	720/1030/1230	1260/1710/2150
Sound Pressure (lowest to highest)	dB(A)	38.5/42/45.5	46/49.5/50.5	51/54/57
Max Static Pressure	in (W.C.)	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*	38MBRBQ36A--3	38MBRBQ48A--3	38MBRBQ58A--3

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

Backward compatible with 38MBQ Single Zone Systems.



Easy Light Commercial Installation & Quiet Operation

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
- Can be mounted on floor or 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)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone

(p 55)

Sizes: 36 / 48 / 58

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

Ability to be installed 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 KSACN0701AAA (7-Day Programmable)



Wireless
Remote Controller



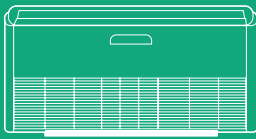
Wired Controller
(7-Day Programmable)
KSACN0701AAA

ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230



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 (1285)	64.96 (1650)	64.96 (1650)
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	638/917/1037	1000/1120/1350	796/1029/1385
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.



A Multi-Poise Indoor Unit for **Maximum Flexibility**

INDOOR FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Up to 20.0 SEER and 10.4 HSPF
- Multi poise installation (Up Flow, Down Flow, Horizontal Right, Horizontal Left)
- Total system static pressure up to 0.8 in. W.C.
- Less than 2% air leakage
- Quiet indoor operation
- Built-in third-party thermostat compatibility
- Anti-corrosive fin coating
- Extreme heating operation in as low as -22° F (-30° C)
- Optional electric heat strips (5kw, 10kw, 15kw, 20kw)

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 49)
- 38MBRB Outdoor Unit Single Zone (p 57)

Size: 36 / 48

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



KEY FEATURES

Installation Flexibility

A built-in secondary drain allows the unit to be mounted vertically (up flow or down flow) or horizontally (left or right), enabling multi-position installation. All three sizes are capable of operating as traditional central ducted systems when paired with a compatible single zone outdoor unit.

Multi-Zone Compatibility

The Size 24 air handler can connect to select multi-zone outdoor units to create one integrated system, enabling unique zoned comfort and efficiency.

Efficient Comfort

As an alternate to gas furnaces, reduce the use of fossil fuels and experience cleaner energy and efficiency levels that meet many local and federal requirements.

CONTROLS

Factory installed 24V Interface for third-party thermostat compatibility*

ACCESSORIES

Electric Heat Packages EHKMA05KN, EHKMA10KN, EHKMA15KN, EHKMA20KN

NOTE: Grille is required; sold separately.



SPECIFICATIONS:

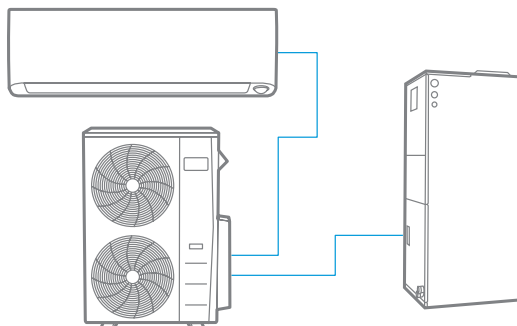
40MBAA Air Handler				
Heat Pump				
System				
Size		24	36	48
Indoor Model		40MBAAQ24XA3	40MBAAQ36XA3	40MBAAQ48XA3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	5	5	5
Controls				
Wireless Remote Controller (° F/° C Convertible)		Standard	Standard	Standard
Wired Remote Controller (° F/° C Convertible)		Standard	Standard	Standard
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	62~90 (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)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor				
Unit Width	in (mm)	19.6 (498)	19.6 (498)	19.6 (498)
Unit Height	in (mm)	48.8 (1,240)	48.8 (1,240)	48.8 (1,240)
Unit Depth	in (mm)	21.0 (533)	21.0 (533)	21.0 (533)
Net Weight	lbs (kg)	141.1 (64)	144.8 (65.7)	144.8 (65.7)
Number of Fan Speeds		4	4	4
Airflow (lowest to highest)	CFM	588/765/882	824/1,000/1,176	1,176/1,294/1,412
Sound Pressure - Cooling (lowest to highest)	dB(A)	37.2/40.4/43/45.2	37.2/40.4/43/45.2	37.2/40.4/43/45.2
Sound Pressure - Heating (lowest to highest)		35.8/38.7/41.7	37.9/43/46.5/48	50/51.9/53.9/54.9
Max Static Pressure	InWG	0.80	0.80	0.80
Field Drain Pipe Size O.D.	in (mm)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)

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

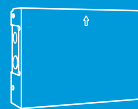
COMPATIBILITY:

Indoor Unit	40MBAAQ24XA3	40MBAAQ36XA3	40MBAAQ48XA3
Outdoor Unit Single Zone	38MAQB24R--3	38MBRBQ36AA3	38MBRBQ48AA3
Outdoor Unit Multi-Zone	38MGRQ30D--3		
	38MGRQ36D--3		
	38MGRQ48E--3		

Multi-Zone configuration:



ACCESSORIES AND ADDITIONAL INFORMATION



**24V Interface Kit
for Ductless Systems**



Wi-Fi® Kit



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 system³
- 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:

- DHMPHA High Wall (p 17)
- DHMAHB High Wall (p 25)
- 40MHH High Wall (p 41)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 65)

Improved Compatibility for Ductless Systems

KSAIC0301230

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 thermostat.¹ The 24V Interface Kit maintains the benefits of variable-speed technology, enabling increased efficiency and comfort for end users.³

KEY BENEFITS

Maintain Inverter Compressor Technology

The new 24V Interface keeps the Inverter compressor operating as a variable-speed system when using a third-party thermostat, making adjustments to maintain more consistent operation.

Easy & Flexible Installation

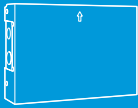
Experience quick and easy installation between either a single or multi-zone outdoor unit and the fan coil. The interface can be installed either indoors or outdoors.

Consumer Choice & Control

Consumers can choose to use either the included Remote Controller or their preferred third-party thermostat to control each ductless unit.

ACCESSORIES

115V Transformer RCD#11203103000393 (Used only on ductless systems with 115V power.)

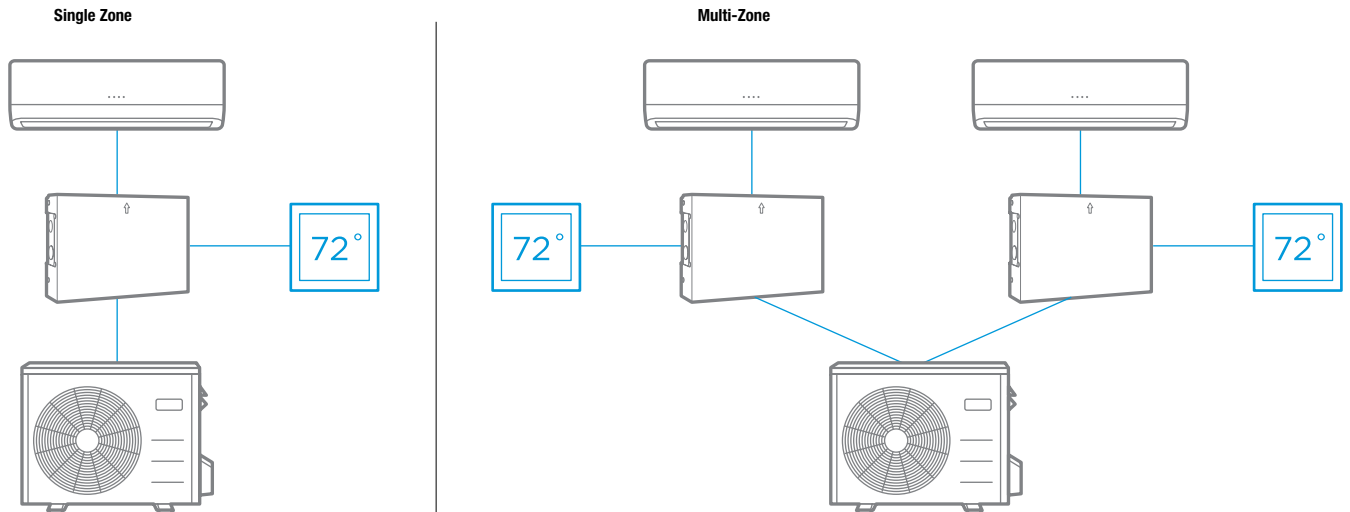


COMPATIBILITY:

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	DHMPHA	38MPRA	38MGR	All Sizes
	DHMAHB	38MARB	38MGR	All Sizes
	40MHH	38MHR	38MGR	All Sizes
Cassette	40MBCQ	38MARB	38MGR	All Sizes
Ducted	40MBDQ	38MARB	38MGR	All Sizes Except Size 58 (See Note)
Console	40MBFQ	38MARB	38MGR	All Sizes Except Sizes 12 and 58 (See Note)

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.



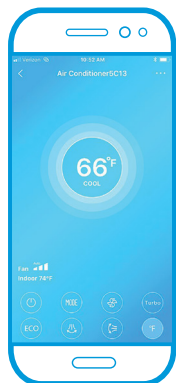
Notes:

¹Third-party thermostats used with the 24V Interface Kit will replace the wireless Remote Controller included with the unit. Consult with dealer for more information.

²When using in a Multi-zone System not all the indoor heads require a 24V Interface Kit.

³A conventional 5-wire thermostat is required.

⁴A secondary output is necessary for auxiliary heat control.



Get Climate Control at Your Fingertips with **Wi-Fi®** Connectivity

FEATURES

- Multiple modes, including Turbo, Cool, Heat, Dry, Fan, Auto and ECO (on compatible indoor units)
- Multiple fan speeds
- Sleep curve
- Up-down / right-left louver control (fixed or swing) on compatible indoor units
- Heating setback (46° F heating mode)
- Timer function for on/off scheduling

Midea ductless indoor units are Wi-Fi® enabled through our Wi-Fi® Accessory Kits. Easily connect to network apps from your hand-held device for system control on the go.

APPS

The Midea Air app is compatible with all kits and available in the App Store® for iOS devices and Google Play™ for Android devices.

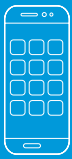
COMPATABILITY

The Wi-Fi® Accessory Kits are backwards compatible with indoor units of the same series. No serial number cutout.

Wi-Fi® Accessories Model#	Description	DHMPHA	DHMAHB	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*			•	•	•	
KSAIF0601AAA	Wi-Fi® High Wall High Tier (replacement only)	•					

*Not available for Console size 09 or 12

Note: The Follow Me function is not selectable from the app, only available on the Wired or Wireless Remote Controllers (sensing temperature from the controller). If this mode is previously activated with the controller, the Follow Me functions would be deactivated if the Operation Mode is adjusted or if the unit is turned through the app.



COMPONENTS:

All the components required for retrofit and operation are included with the kits:

Kit Part Number	Indoor Unit Type	Components Included with Kit			
		Wi-Fi® USB Dongle	Wi-Fi® Translator PCB	USB Intermediate Cable	Display Box
KSAIF0101AAA	High Wall Entry Tier 9/12/24k	•		•	•
KSAIF0201AAA	High Wall Entry Tier 18k	•		•	•
KSAIF0301AAA	High Wall Mid-Tier (all sizes)	•		•	•
KSAIF0401AAA	Cassettes (all sizes) Ducted (all sizes) Console (only sizes 18-58)	•	• Includes 19ft (6m) cable and Wireless Control		
KSAIF0601AAA	High Wall High Tier (all sizes replacement ONLY)	•			

The individual components included with the kits are also available through RCD for replacement.

*Not available for Console size 09 or 12.

COMPATIBILITY:

The use of the Wi-Fi® Accessory Kits on some indoor units would disable the ability to use the Wired Controllers in some instances:

	Wired Control	Wireless Control
High Tier High Wall	•	•
Mid-Tier High Wall		•
Entry Tier High Wall		•
Ducted	•	•
Cassette	•	•
Console 18-58	•	•

Note: The use of the 24V interface will disable system's Wi-Fi® module. Please consider using a Wi-Fi® Thermostat when using the 24V interface.

Wi-Fi® kits cannot be used on networks requiring a user login.

Wi-Fi® kits are only supported with networks using WPA-PSK/WPA2-PSK encryption and no encryption. WPA-PSK/WPA2-PSK encryption is recommended.

Please consult the installation instructions and Owners Manuals of the individual kits for more information.

At Midea, we know that you work hard to uphold your reputation as a trusted dealer and expert in your market. And that you must consistently offer innovative, efficient, high-performing products and services to keep customers happy and stay competitive.

Essentially, we know what you need to be successful and we aim to create the best experience possible for you. That's why we provide all our dealers with top-notch factory support and team up with distributors to provide the tools needed for success, including:



Training on ductless systems



Dealer loyalty programs and incentives



A dealer locator tool to help drive leads



Educational and sales resources

It's all part of our commitment to helping you succeed and offer the greatest value and support to your customers.

NEED ASSISTANCE? WE'RE HERE FOR YOU!

Online: mideahomecomfort.com

Phone: 888-882-5234



Get product information, find a dealer, download technical documents.



Get technical support and information regarding parts and service.

Tiers, Warranties & Controls

TIERS

Product Tier	Series Name
High Tier	Elevate Series
Mid-Tier	Excel Series
Entry Tier	Essence Series

WARRANTY

Application / Tier	Warranty
Residential	10 Compressor / 10 parts*
Multifamily	10 Compressor / 10 parts*
Commercial	7/7

*With timely registration otherwise 5 years Compressor / 5 years parts

CONTROLS

		Wired Controller				
		KSACN0101AAA	KSACN0601AAA	KSACN0701AAA	KSACN0801AAA	Third Party Thermostat**
Function	Timer Function	X				
	7-Day Programmable		X	X		X
High Wall	DHMPHA		○			○
High Wall	DHMAHB	○			○†	○
High Wall	40MHH		○			○
Cassette	40MBCQ	○		○		○
Ducted	40MBDQ	○		●		○
Console	40MBFQ	○	○ Size 12	○ Sizes 18-58		○

X	Yes
●	Standard
○	Optional

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

		
Wired Controller (Timer Function) KSACN0101AAA	Wired Controller (7-Day Programmable) KSACN0601AAA	Wired Controller (7-Day Programmable) KSACN0701AAA

Standard Features Glossary

24-Hour Timer

Set the unit to start and stop automatically in a 24-hour period.

Air Flow Panel

360° air outlet creates a soft and gentle air flow, which circulates throughout the whole space and provides an even temperature distribution in the room.

Auto Defrosting

Prevents the evaporator from freezing and maintains dehumidifying effect in low temperature environments.

Auto Restart Function

If the unit shuts off unexpectedly due to a power outage, it will restart with the previous settings automatically when the power resumes.

Built-In Basepan Heater

A heating belt is fitted on the base plate of the outdoor unit to prevent water accumulation, which improves heat transfer efficiency.

Built-In Condensate Lift Pump

A powerful, built-in drain pump can lift the condensing water up to 29 inches.

Control Box Inside the Cassette

Easy maintenance with the box right inside the Cassette indoor unit. The integrated design provides a more compact size for easier installation.

Convenient Temperature Controls

An intuitive, easy-to-use remote control displays temperature and other functions on a bright, clear LCD screen.

Convertible Return Air Inlet

The air inlet can be installed either at the back or bottom of the ducted unit, allowing for flexible installation to meet the needs of each job.

Crankcase Heater

A heating belt is fitted on the compressor to prevent frosting water accumulation, which improves heat transfer efficiency.

Diamond Outdoor Unit Design

An innovative outdoor unit reduces noise level by more than 3 dB(A), with higher reliability, easier maintenance and improved performance.

Eco Mode

Provides the ultimate energy savings and a comfortable sleeping environment with an intelligent eight-hour night cycle program that saves up to 60% of energy.

Extra Low Temperature Heating

When it's cold outside, it's warm inside. High Tier and Mid-Tier ductless systems can be used as a primary heat source, with heat output down to -22° F.

Follow Me

A temperature sensor built-in the Remote Controller will sense its surrounding temperature. The unit will adjust the room temperature more accurately to give you comfort.

High Ambient Cooling

The indoor space can be cooled to a desired, comfortable indoor temperature, even when outside temperatures reach up to 122° F.

High Heating Operation

The High Tier and Mid-Tier systems can be a primary heat source, with High Heating down to -22° F, so when it's cold outside, it's warm inside.

Independent Vane Control

Air flow direction from individual outlets can be controlled separately to achieve the optimal air flow based on a room's configuration.

Inverter Technology

With the Inverter, the outdoor unit uses only the energy required to meet the desired temperature requirements of the indoor unit, thus lowering electric bills.

Louver Position Memory

A horizontal louver will automatically move to the same position that was set the last time the unit was on.

Low Ambient Cooling

Even when it's cold outside, but warm inside, the air conditioner will keep the area cool — perfect for server rooms and commercial kitchens.

Refrigerant Leak Detection

The indoor unit shows error code "EC" and stops automatically when refrigerant leakage is detected. This protects the compressor from high temperature damage due to refrigerant leakage.

Single and Multi-Zone Compatible

A single zone outdoor unit can be paired with any indoor unit type. One multi-zone unit can be leveraged for up to five indoor units of any style.

Sleep Mode

This function enables the system to automatically increase cooling or decrease heating by around four degrees for the first two hours, then holds steady for the next five hours. After that, it will switch off. This function achieves both energy savings and comfort at night.

Stepless Frequency Adjustment

Precise control maintains a stable and constant room temperature while reducing the sound level and saving energy.

Two-Way Draining

Connections, piping and drainage can be installed from both the left and right on the High Wall.

Universal Matching

Get maximum flexibility with up to five different indoor units connected to one outdoor unit. Maintain a different temperature in each room for ultimate comfort, with the best indoor unit choice for each. Universal matching units are also available for single zone outdoor units. One outdoor unit can match any type of indoor unit.

Wired Remote Controller

Compared to an infrared remote controller, a Wired Controller can be fixed on the wall and makes air conditioner operation more convenient for larger setups or ducted units.

mideahomecomfort.com

CARRIER MIDEA NORTH AMERICA
3300 Riverwood Parkway SE, Ste 900
ATLANTA, GA 30339

©2022 Carrier Midea North America, LLC;
Midea is a registered trademark owned by Midea Group Co., Ltd.
Wi-Fi® is a registered trademark of Wi-Fi Alliance.
ENERGY STAR® is a registered trademark of the U.S. EPA.

All trademarks and service marks referred herein are
property of their respective owners.

SAP Part No. 01-MID-060-01
2/2022

