

---

## Residential and Light Commercial Ductless Systems Catalog

July 2019







## Table of Contents

<b>Midea Global</b>	<b>3</b>
<b>Ductless Benefits</b>	<b>5</b>
<b>Single and Multi-Zone Solutions</b>	<b>9</b>
<b>Single Zone Residential</b>	<b>13</b>
Elevate Series	<b>15</b>
Excel Series	<b>21</b>
Essence Series	<b>35</b>
<b>Multi-Zone</b>	<b>45</b>
<b>Single Zone Light Commercial</b>	<b>51</b>
<b>Accessories and Additional Information</b>	<b>63</b>
<b>Tiers, Warranties &amp; Controls</b>	<b>70</b>
<b>Glossary</b>	<b>72</b>



**TO KNOW US IS TO TRUST US**

Hello. We are Midea, the world's leading manufacturer of consumer appliances, HVAC systems, robotics and industrial automation systems.

---

Just getting to know us?  
**Midea is a publicly listed Fortune 500 company with over 130,000 employees, 21 production facilities worldwide, 12 strategic business units, and 260 logistics centers.**

---

We are present in more than 200 countries, with a U.S. operation that is bringing user-friendly solutions to millions of consumers and businesses for over five years.

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 also providing the best service possible. The 40+ design awards we win annually from respected global design shows are further testament to our quest to develop unique products that are a joy to use.



## Ductless systems, or “mini-splits,” are a convenient, economical and energy-efficient air conditioning and heating solution that can be used in one room or easily expanded to multiple rooms.

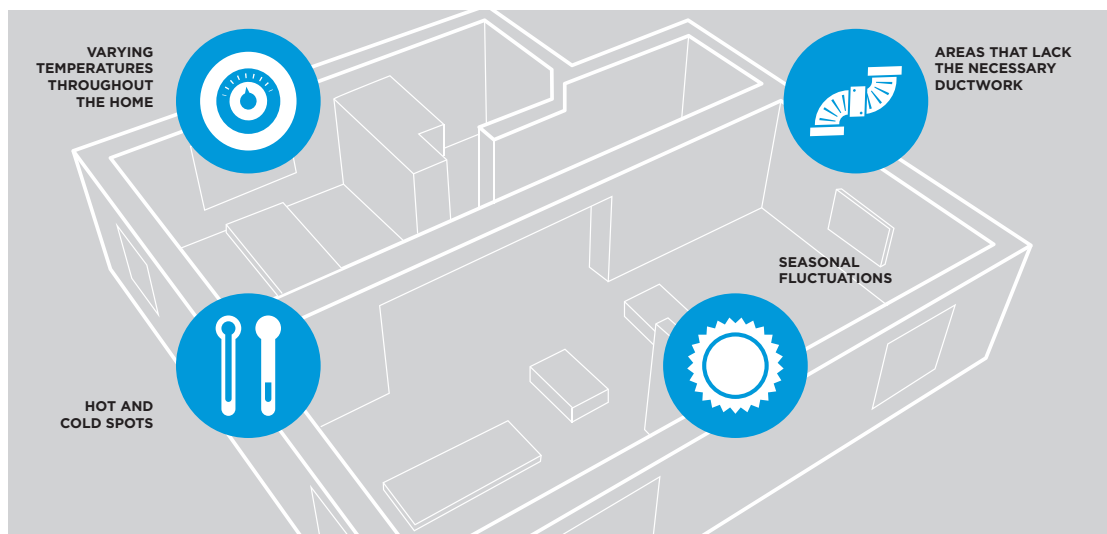
### DUCTLESS MEANS WHAT IT SOUNDS LIKE, NO DUCTS NEEDED.

Installing or expanding an HVAC system might not always be the best solution for your changing heating and cooling needs. With a ductless system you only need to run small refrigerant linesets from an outdoor unit directly to the indoor unit in rooms you want to heat or cool. Installation is faster, requires less labor and is less disruptive to a home or business.

Ductless systems can also help you avoid costly energy loss by shortening the distance the air has to travel while at the same time giving you more control over the comfort level of your spaces. By setting up and controlling individual zones, homeowners can save money by only heating or cooling rooms that are occupied. With highly efficient Inverter systems and the condenser stationed outside, ductless systems are also a quiet solution.

Midea Ductless Systems can be an energy-saving solution for a variety of applications that help customers regain control of their space, including, but not limited to:

- New construction and renovations
- 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





## PERFORMANCE

**Easy Installation and Use** — A simple and intuitive remote allows users to easily control their unit(s). For installation, an innovative bracket holds the wall unit in place, allowing for easy connection to the refrigeration unit. And for multi-zone installs, there's no need for a branch box, which saves installation effort and costs.



**Broad Temperature Range** — Our models provide low temperature heating to a frigid -22° F, with up to 89% of rated capacity at -13° F, and cooling even when temperatures reach as high as 122° F.



## EFFICIENCY

**Low Energy Use** — With SEER ratings of 42.0 on our highest tier offering, we have one of the highest efficiency ratings in the world.



**ENERGY STAR® Certification** — Full Inverter technology in the high tier and mid-tier series not only allows for quieter operation, but also delivers industry-leading efficiency. In fact, 70% of our Excel Series models are ENERGY STAR® certified.



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



## INNOVATION

**Inverter Technology** — Unlike traditional compressors that turn on and off multiple times, Midea Inverter compressors feature variable power that automatically adjusts the running speed to maintain the desired temperature. That way, a Midea unit runs quietly and features significant energy savings.



**Wi-Fi Enablement** — Easy connectivity with an intuitive app allows users to control and monitor our systems across all tiers, from a handheld device, anytime, anywhere.



**Flexible Options** — We offer several types of indoor unit styles to fit all customer needs and situations. And our versatile outdoor options allow users the ability to leverage just one outdoor unit across up to five indoor units at a time.



World's  
No. 1 Air-  
treatment  
Company

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



**MEETING THE FULL SPECTRUM OF  
HEATING & COOLING NEEDS**

At Midea, it's our mission to help customers gain control of their space, whether it's a small residential room or a large commercial application.

---

That's why we offer a broad lineup of flexible and versatile ductless solutions that meet a wide range of needs—  
**from compact and efficient residential units to bigger and stronger light commercial products.**

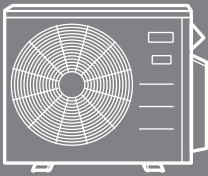
---

Most other manufacturers can't give you access to such a breadth of solutions.

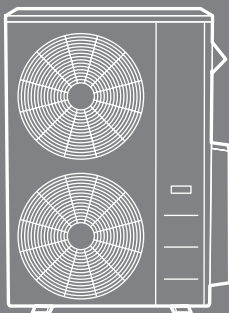




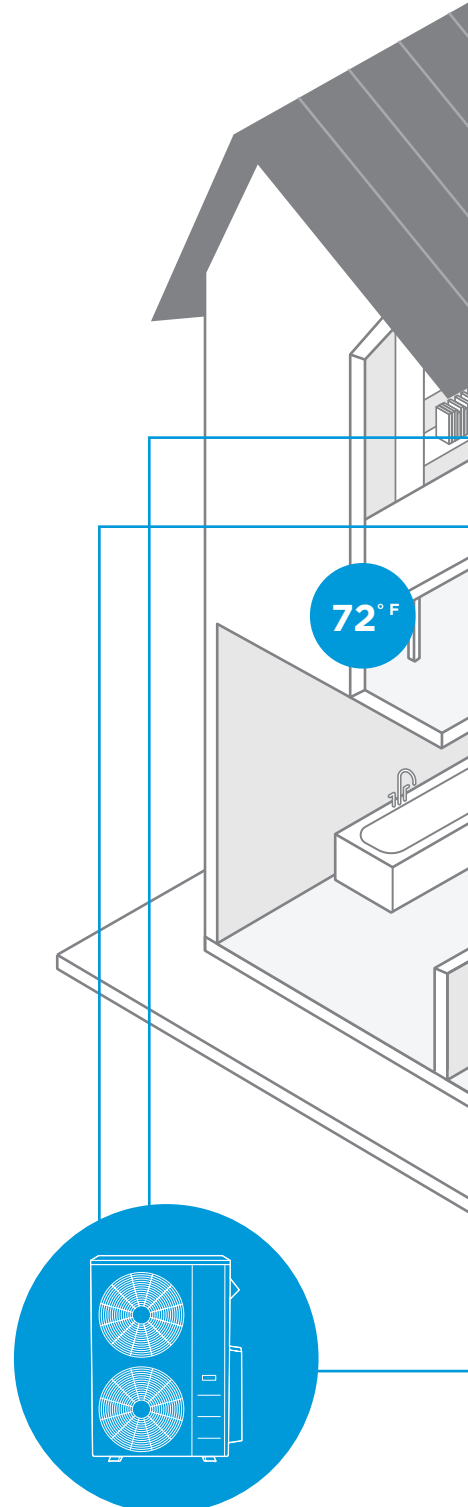
**Midea Ductless Systems provide an efficient, flexible and customizable heating and cooling solution** for a single area of a home or business, or a multi-zone solution to individually manage several different zones using one integrated system of indoor and outdoor units.

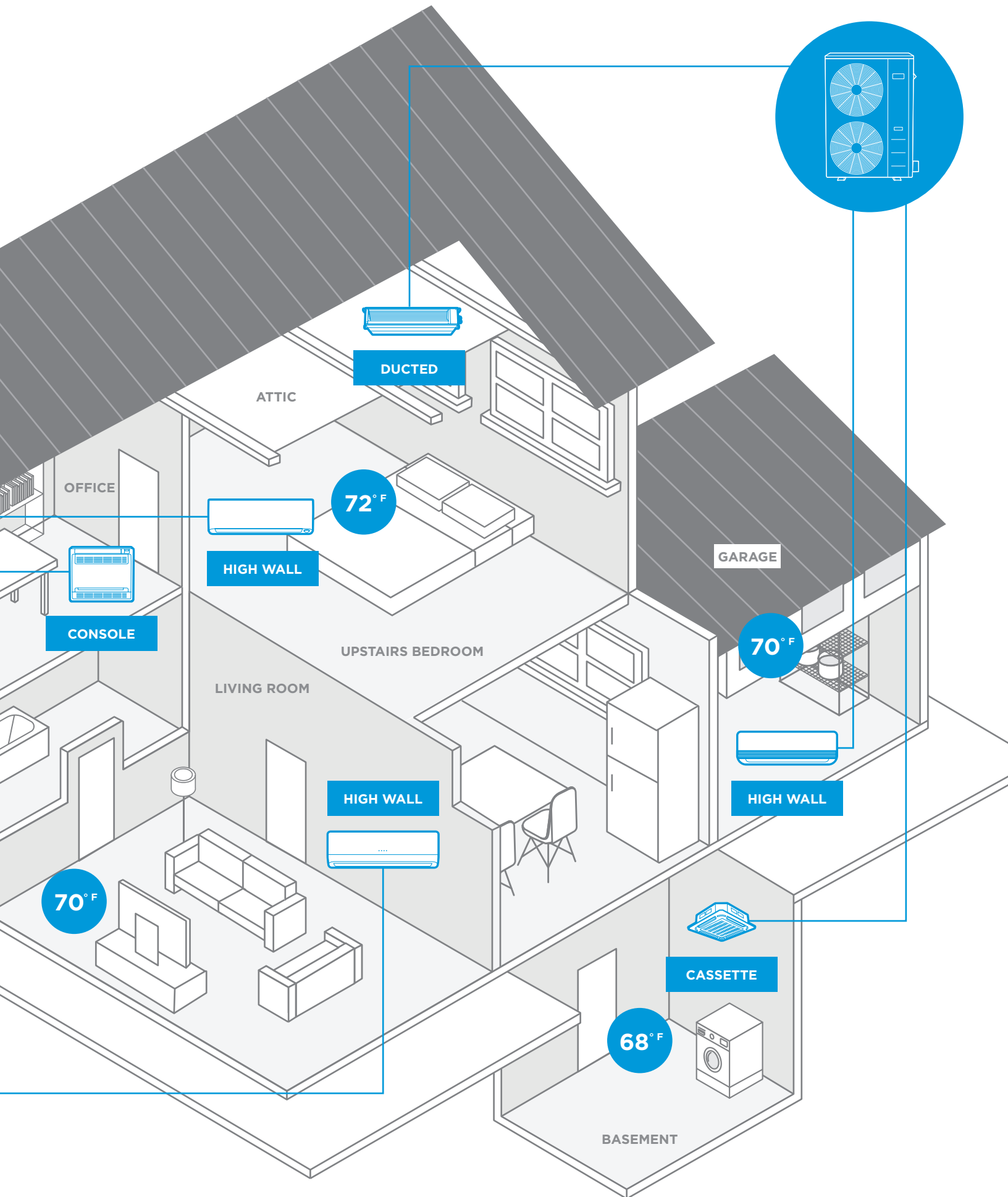


**Single zone systems** provide comfort for areas with as little as 350 and as much as 3,000 square feet — either small offices or bedrooms, or big living and cooking areas.



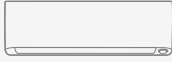

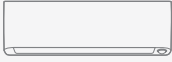



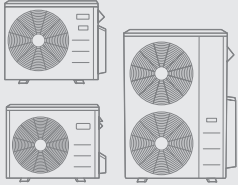







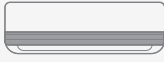

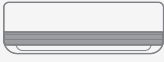
**Multi-zone systems** can connect as many as five indoor units with a single outdoor unit — with comfort all around the house or application, using individual controls for zoning and energy savings.


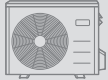
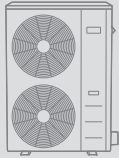








The Right Product for the Right Application

	SINGLE ZONE RESIDENTIAL		MULTI-ZONE	
	Indoor Units	Outdoor Units	Indoor Units	Outdoor Units
ELEVATE SERIES	 <b>DHMPHA High Wall</b> Sizes: 09 / 12	 <b>38MPRA Outdoor Unit</b> Up to 42.0 SEER Sizes: 09 / 12 / 18 / 24	 <b>DHMPHA High Wall</b> Sizes: 09 / 12	
	 <b>DHMPHA High Wall</b> Sizes: 18 / 24			
EXCEL SERIES	 <b>DHMSHA High Wall</b> Sizes: 09 / 12 / 18 / 24 / 30 / 36		 <b>DHMSHA High Wall</b> Sizes: 09 / 12 / 18 / 24	 <b>38MGR Outdoor Unit</b> Up to 23.8 SEER Sizes: 18 / 24 / 30 / 36 / 48
	 <b>40MBCQ Cassette</b> Sizes: 09 / 12 / 18 / 24	 <b>38MA*R Outdoor Unit</b> Up to 25.0 SEER Sizes: 09 / 12 / 18 / 24 / 30 / 36	 <b>40MBCQ Cassette</b> Sizes: 09 / 12 / 18 / 24	
	 <b>40MBDQ Ducted</b> Sizes: 09 / 12 / 18 / 24		 <b>40MBDQ Ducted</b> Sizes: 09 / 12 / 18 / 24	
	 <b>40MBFQ Console</b> Sizes: 12 / 18 / 24		 <b>40MBFQ Console</b> Sizes: 12 / 18 / 24	
ESSENCE SERIES	 <b>40MHH High Wall</b> Sizes: 09 / 12 / 18 / 24	 <b>38MHRB Outdoor Unit</b> Up to 19.8 SEER Sizes: 09 / 12 / 18 / 24	 <b>40MHH High Wall</b> Sizes: 09 / 12 / 18 / 24	

SINGLE ZONE LIGHT COMMERCIAL	
Indoor Units	Outdoor Units
 <b>40MBCQ Cassette</b> Sizes: 36 / 48	  <b>38MBR Outdoor Unit</b> Up to 18.0 SEER Sizes: 36 / 48 / 58
 <b>40MBDQ Ducted</b> Sizes: 36 / 48 / 58	
 <b>40MBFQ Console</b> Sizes: 36 / 48 / 58	

SYSTEM	SIZES	SEER	HSPF	Page
<b>SINGLE ZONE RESIDENTIAL</b>				
<b>38MPRA Outdoor Unit</b>	Sizes: 09 / 12 / 18 / 24	Up to 42.0 SEER	Up to 15.0 HSPF	15-16
<b>DHMPHA High Wall</b>	Sizes: 09 / 12			17-18
<b>DHMPHA High Wall</b>	Sizes: 18 / 24			19-20
<b>SINGLE ZONE RESIDENTIAL</b>				
<b>38MAR Outdoor Unit</b>	Sizes: 09 / 12 / 18 / 24 / 30 / 36	Up to 25.0 SEER	Up to 12.0 HSPF	21-24
<b>DHMSHA High Wall</b>	Sizes: 09 / 12 / 18 / 24 / 30 / 36			25-26
<b>40MBCQ Cassette</b>	Sizes: 09 / 12 / 18 / 24			27-28
<b>40MBDQ Ducted</b>	Sizes: 09 / 12 / 18 / 24			29-30
<b>40MBFQ Console</b>	Sizes: 12 / 18 / 24			31-32
<b>SINGLE ZONE RESIDENTIAL</b>				
<b>38MHRB Outdoor Unit</b>	Sizes: 09 / 12 / 18 / 24	Up to 19.8 SEER	10.6 HSPF	35-38
<b>40MH High Wall</b>	Sizes: 09 / 12 / 18 / 24			39-42
<b>MULTI-ZONE</b>				
<b>38MGR Outdoor Unit</b>	Sizes: 18 / 24 / 30 / 36 / 48	Up to 23.8 SEER	Up to 10.5 HSPF	47-50
<b>SINGLE ZONE LIGHT COMMERCIAL</b>				
<b>38MBR Outdoor Unit</b>	Sizes: 36 / 48 / 58	Up to 18.0 SEER	Up to 11.5 HSPF	53-56
<b>40MBCQ Cassette</b>	Sizes: 36 / 48			57-58
<b>40MBDQ Ducted</b>	Sizes: 36 / 48 / 58			59-60
<b>40MBFQ Console</b>	Sizes: 36 / 48 / 58			61-62

# 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



**38MAR Outdoor Unit**  
Up to 25.0 SEER  
Sizes: 09 / 12 / 18 / 24 / 30 / 36



**DHMSHA High Wall**  
Sizes: 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



**38MRB 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)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 98 ft. (30 m.)
- Cooling operating range -22° ~ 122°F (-30° ~ 50° C)
- Heating operating range -22° ~ 86°F (-25° ~ 30° C)

## COMPATIBLE WITH:

- 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.

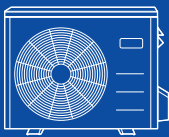
### Stepless Frequency Adjustment

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					
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)
- Aluminum Golden Hydrophilic pre-coated fins

## COMPATIBLE WITH:

- 38MPRA Outdoor Unit Single Zone (p 15)
- 38MGR Outdoor Unit Multi-Zone (p 47)

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 KSACN0401AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0401AAA

## 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)
- Aluminum Golden Hydrophilic pre-coated fins

## 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, 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 KSACN0401AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0401AAA

## 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.



# A Versatile Outdoor Unit for Maximum Efficiency

## OUTDOOR FEATURES

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

## COMPATIBLE WITH:

- DHMSHA High Wall (p 25)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 31)

## Heat Pump with Basepan Heater

Inverter Compressor

Up to 25.0 SEER

Up to 12.0 HSPF

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

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



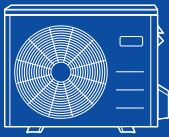
## KEY FEATURES

### Extra Low Temperature Heating

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

### Rapid Cooling & Heating

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



PERFORMANCE:

DHMSHA High Wall								
Indoor Model		DHMSHAQ12XA1	DHMSHAQ09XA3	DHMSHAQ12XA3	DHMSHAQ18XA3	DHMSHAQ24XA3	DHMSHAQ30XA3	DHMSHAQ36XA3
ENERGY STAR®		YES	YES	YES	YES	YES	NO	NO
Cooling System Tons		1.0	0.75	1.0	1.4	2.0	2.5	3.0
Cooling Rated Capacity	Btu/h	12,000	9,000	12,000	17,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	3,500~13,000	4,000~13,800	4,500~18,800	5,500~24,500	8,000~30,500	8,000~36,200
SEER		22.0	25.0	22.5	20.0	20.5	19.8	16.0
EER		13.0	14.5	13.0	12.5	13.0	11.5	8.6
Heating Rated Capacity (47° F)	Btu/h	12,000	10,900	12,000	18,000	24,000	30,000	36,000
Heating Rated Capacity (17° F)	Btu/h	7,600	6,900	7,800	10,800	15,400	18,500	21,000
Heating Maximum Capacity (17° F)	Btu/h	7,600	10,900	12,000	18,000	24,000	18,500	21,000
Heating Maximum Capacity (5° F)	Btu/h	6,490	10,900	12,000	18,000	24,000	16,380	16,380
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	4,500~14,500	5,000~15,500	5,500~24,000	6,000~32,000	9,000~34,000	9,000~37,000
HSPF		10.2	11.2	12.0	10.3	11.5	9.4	8.5
COP (47° F)	W/W	3.40	3.80	3.56	3.14	3.10	2.60	2.56
COP (17° F)	W/W	2.60	2.74	2.64	2.64	2.64	2.16	2.12
COP (5° F)	W/W	1.94	1.98	1.98	1.63	1.77	2.20	1.50

PERFORMANCE:

40MBCQ Cassette					
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCQ24---3
ENERGY STAR®		YES	YES	YES	NO
Cooling System Tons		0.75	1.0	1.3	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
Cooling Cap. Range Min - Max	Btu/h	3,500~11,000	4,000~13,000	4,500~18,000	8,500~26,500
SEER		20.0	19.5	20.0	20.0
EER		13.0	12.5	12.5	11.0
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	6,700	8,700	12,000	16,200
Heating Maximum Capacity (17° F)	Btu/h	9,000	12,000	18,000	24,000
Heating Maximum Capacity (5° F)	Btu/h	9,000	12,000	18,000	24,000
Heating Cap. Range Min - Max	Btu/h	4,500~11,500	5,000~13,500	5,500~19,000	13,200~32,000
HSPF		10.8	10.6	10.5	11.5
COP (47° F)	W/W	3.30	3.67	3.43	3.46
COP (17° F)	W/W	2.37	2.40	2.55	2.73
COP (5° F)	W/W	1.62	1.62	1.75	1.88

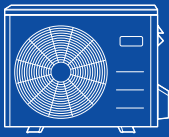
**PERFORMANCE:**

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

**PERFORMANCE:**

40MBFQ Console				
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
<b>ENERGY STAR®</b>		YES	YES	NO
Cooling System Tons		1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	4,000~13,000	6,830~19,800	8,000~28,150
SEER		19.4	19.9	20.0
EER		12.5	12.5	11.5
Heating Rated Capacity (47° F)	Btu/h	12,000	18,000	24,000
Heating Rated Capacity (17° F)	Btu/h	9,600	13,400	17,200
Heating Maximum Capacity (17° F)	Btu/h	12,000	21,500	26,600
Heating Maximum Capacity (5° F)	Btu/h	12,000	21,300	26,560
Heating Cap. Range Min - Max	Btu/h	5,000~13,500	12,900~29,000	20,500~36,750
HSPF		10.5	10.6	11.5
COP (47° F)	W/W	3.17	3.48	3.52
COP (17° F)	W/W	2.49	2.38	2.82
COP (5° F)	W/W	1.49	1.66	1.69





**SPECIFICATIONS:**

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

\*Condensing unit above or below indoor unit.

**COMPATIBILITY:**

Indoor Unit	Outdoor Unit						
	38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
DHMSHA High Wall	DHMSHAQ12XA1	•					
	DHMSHAQ09XA3		•				
	DHMSHAQ12XA3			•			
	DHMSHAQ18XA3				•		
	DHMSHAQ24XA3					•	
	DHMSHAQ30XA3						•
40MBCQ Cassette*	40MBCQ09---3		•				
	40MBCQ12---3			•			
	40MBCQ18---3				•		
	40MBCQ24---3					•	
40MBDQ Ducted*	40MBDQ09---3		•				
	40MBDQ12---3			•			
	40MBDQ18---3				•		
	40MBDQ24---3					•	
40MBFQ Console*	40MBFQ12---3		•				
	40MBFQ18---3				•		
	40MBFQ24---3					•	

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



### INDOOR FEATURES

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

### COMPATIBLE WITH:

- 38MA\*R Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 47)

# Built-in Temperature Control for Ultimate Energy Savings

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

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



### KEY FEATURES

#### Follow Me

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

### CONTROLS

Wireless Remote Controller included with indoor unit  
Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (Timer Function) KSACN0101AAA



Wired Controller (7-Day Programmable) KSACN0401AAA

### ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230



**SPECIFICATIONS:**

DHMSHA High Wall								
Heat Pump								
System								
Size		12	9	12	18	24	30	36
Indoor Model		DHMSHAQ12XA1	DHMSHAQ09XA3	DHMSHAQ12XA3	DHMSHAQ18XA3	DHMSHAQ24XA3	DHMSHAQ30XA3	DHMSHAQ36XA3
Electrical								
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit						
MCA	A.	0.4	0.2	0.2	0.27	0.4	0.4	0.4
Operating Range								
Cooling Outdoor DB Min - Max	° F (° C)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)	63~86 (17~30)
Heating Outdoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping								
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor								
Unit Width	in (mm)	32.87 (835)	32.87 (835)	32.87 (835)	38.98 (990)	46.69 (1186)	46.69 (1186)	46.69 (1186)
Unit Height	in (mm)	11.02 (280)	11.02 (280)	11.02 (280)	12.40 (315)	13.39 (343)	13.39 (343)	13.39 (343)
Unit Depth	in (mm)	7.80 (198)	7.80 (198)	7.80 (198)	8.58 (218)	10.16 (258)	10.16 (258)	10.16 (258)
Net Weight	lbs (kg)	19.18 (8.7)	19.18 (8.7)	19.18 (8.7)	26.46 (12.0)	40.12 (18.2)	40.12 (18.2)	40.12 (18.2)
Number of Fan Speeds		4	4	4	4	4	4	4
Airflow (lowest to highest)	CFM	210/300/360/380	210/290/360/380	210/300/360/380	310/450/650/680	520/620/780/870	520/620/780/870	520/620/780/870
Sound Pressure (lowest to highest)	dB(A)	27/34/42	27/34/42	27/34/42	33/40/46	39/45/50	39/45/50	39/45/50
Air Throw Data	ft (m)	23 (7)	23 (7)	23 (7)	30 (9)	36 (11)	36 (11)	36 (11)
Moisture Removal	Pint/h (L/h)	2.8 (1.3)	1.1 (0.5)	2.3 (1.1)	3.8 (1.8)	5.4 (2.6)	8.1 (3.9)	11.7 (5.6)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

**COMPATIBILITY:**

Indoor Unit	DHMSHAQ12XA1	DHMSHAQ09XA3	DHMSHAQ12XA3	DHMSHAQ18XA3	DHMSHAQ24XA3	DHMSHAQ30XA3	DHMSHAQ36XA3
Outdoor Unit Single Zone*	38MAQB12R--1	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3	38MAQB30R--3	38MAQB36R--3
Outdoor Unit Multi-Zone*		38MGRQ18B--3					
		38MGRQ24C--3					
		38MGRQ30D--3					
		38MGRQ36D--3					
		38MGRQ48E--3					

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



# 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 38MA\*R 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)
- Aluminum Golden Hydrophilic pre-coated fins
- Grille/ceiling panel 2' x 2' sizes 09 to 18 40MBCQ01XXX3
- Grille/ceiling panel 3' x 3' size 24 40MBCQ02XXX3

## COMPATIBLE WITH:

- 38MA\*R Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 47)

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  
KSACN0501AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (Timer Function)  
KSACN0101AAA



Wired Controller (7-Day Programmable)  
KSACN0401AAA

## 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*	38MAQB09R--3	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
Outdoor Unit Multi-Zone*	38MGRQ18B--3			
	38MGRQ24C--3			
	38MGRQ30D--3			
	38MGRQ36D--3			
	38MGRQ48E--3			

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

For sizes 36 to 48 refer to the Light Commercial section; Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems.





# Flexible Installation & Increased Air Circulation

## INDOOR FEATURES

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

## COMPATIBLE WITH:

- 38MA\*R Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 47)

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

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Wired Remote Controller KSACN0501AAA

(7-Day Programmable) included with indoor unit



Wireless Remote Controller



Wired Controller (Timer Function) KSACN0101AAA



Wired Controller (7-Day Programmable) KSACN0501AAA

## 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 (WG)	0.20	0.20	0.40	0.64
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)

**COMPATIBILITY:**

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

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

For sizes 36 to 58 refer to the Light Commercial section; Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems.



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

## COMPATIBLE WITH:

- 38MA\*R Outdoor Unit Single Zone (p 21)
- 38MGR Outdoor Unit Multi-Zone (p 47)

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 KSACN0401AAA (7-Day Programmable) size 12

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



Wireless Remote Controller



Wired Controller (Timer Function) KSACN0101AAA



Wired Controller (7-Day Programmable) KSACN0401AAA & KSACN0501AAA

## ACCESSORIES

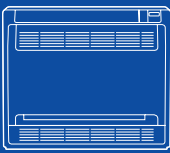
Wi-Fi® Kit (sizes 18-24 only\*) KSAIF0401AAA

24V Interface for third-party

thermostat compatibility KSAIC0301230



\*Not available for size 12.



**SPECIFICATIONS:**

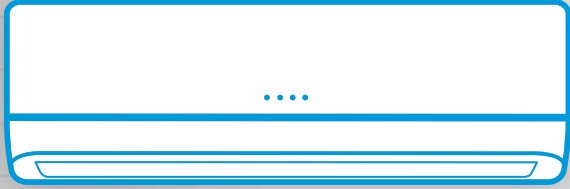
40MBFQ Console				
Heat Pump				
System				
Size		12	18	24
Indoor Model		40MBFQ12---3	40MBFQ18---3	40MBFQ24---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	0.29	1.0	1.0
Operating Range				
Cooling Indoor 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*	38MAQB12R--3	38MAQB18R--3	38MAQB24R--3
Outdoor Unit Multi-Zone*	38MGRQ18B--3		
	38MGRQ24C--3		
	38MGRQ30D--3		
	38MGRQ36D--3		
	38MGRQ48E--3		

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











# A Cost-Effective Outdoor Unit for **Economical Heating & Cooling**

## OUTDOOR FEATURES

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

## COMPATIBLE WITH:

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

## Cooling Only - 38MHRBC

## Heat Pump - 38MHRBQ with Basepan Heater

Inverter Compressor

Up to 19.8 SEER

10.6 HSPF

Sizes: 09 / 12 / 18 / 24

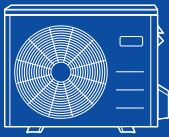
## KEY FEATURES

### Cost-Effective

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

### Rapid Cooling & Heating

After start-up, the compressor quickly gets up to maximum speed in both cooling and heating modes.



**SPECIFICATIONS:**

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

\*Condensing unit above or below indoor units.

**COMPATIBILITY:**

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

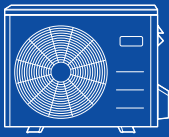
### PERFORMANCE:

40MHHQ High Wall						
Heat Pump						
Indoor Unit		40MHHQ12---1	40MHHQ09---3	40MHHQ12---3	40MHHQ18---3	40MHHQ24---3
ENERGY STAR®		NO	NO	NO	NO	NO
Cooling System Tons		1.0	0.8	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	3,700~13,000	3,400~10,500	3,700~13,000	5,500~19,000	8,987~26,585
SEER		19.8	18.5	19.8	19.0	17.3
EER		10.0	11.2	11.2	11.2	9.7
Heating Rated Capacity (47° F)	Btu/h	12,000	9,800	12,000	18,000	24,800
Heating Rated Capacity (17° F)	Btu/h	8,000	7,500	9,230	11,600	18,000
Heating Maximum Capacity (17° F)	Btu/h	8,200	7,850	9,500	11,800	18,300
Heating Maximum Capacity (5° F)	Btu/h	9,000	6,070	8,880	10,150	16,760
Heating Cap. Range Min - Max	Btu/h	3,500~13,500	2,800~11,500	3,500~13,500	6,200~19,000	8,371~25,350
HSPF		10.6	10.0	9.6	10.6	9.6
COP (47° F)	W/W	2.93	3.27	3.22	3.26	3.13
COP (17° F)	W/W	2.58	2.58	2.64	2.64	2.49
COP (5° F)	W/W	1.60	1.60	1.60	1.50	1.40

### PERFORMANCE:

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





**SPECIFICATIONS:**

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

\*Condensing unit above or below indoor units.

**COMPATIBILITY:**

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





# 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)
- Aluminum Golden Hydrophilic pre-coated fins

## COMPATIBLE WITH:

- 38MHR Outdoor Unit Single Zone (p 35)
- 38MGR Outdoor Unit Multi-Zone (p 47)

## Cooling Only - 40MHHC

## Heat Pump - 40MHHQ

Sizes: 09 / 12 / 18 / 24

## KEY FEATURES

### Improved Serviceability

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

### Convenient Filter Removal

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

## CONTROLS

Wireless Remote Controller included with indoor unit  
Optional Wired Remote Controller KSACN0401AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0401AAA

## ACCESSORIES

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

Wi-Fi® Kit size 18 KSAIF0201AAA

24V Interface for third-party thermostat compatibility KSAIC0301230





**SPECIFICATIONS:**

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

### 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*	38MHRC12A--1	38MHRC12A--3	38MHRC18A--3	38MHRC24A--3
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



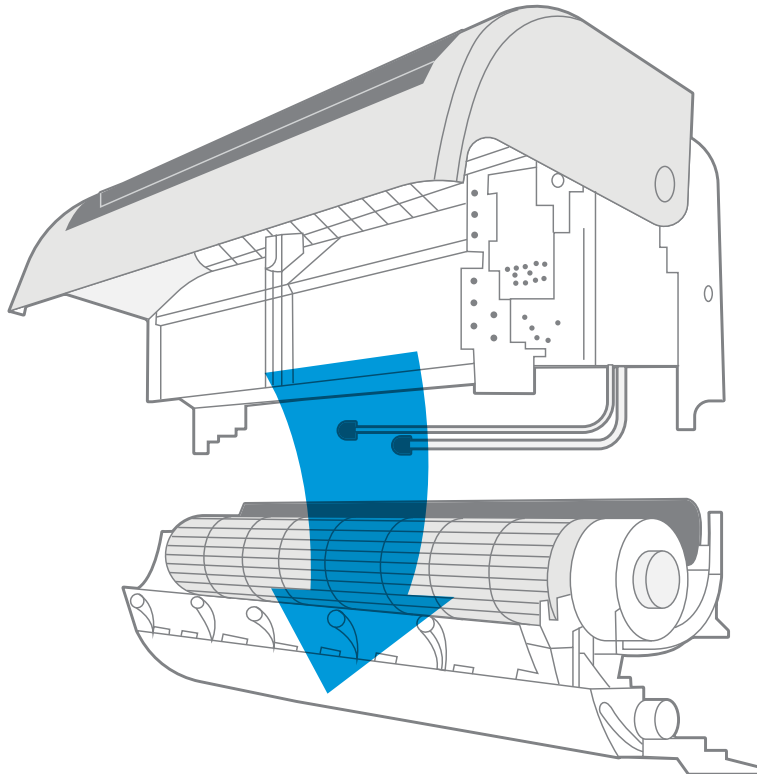
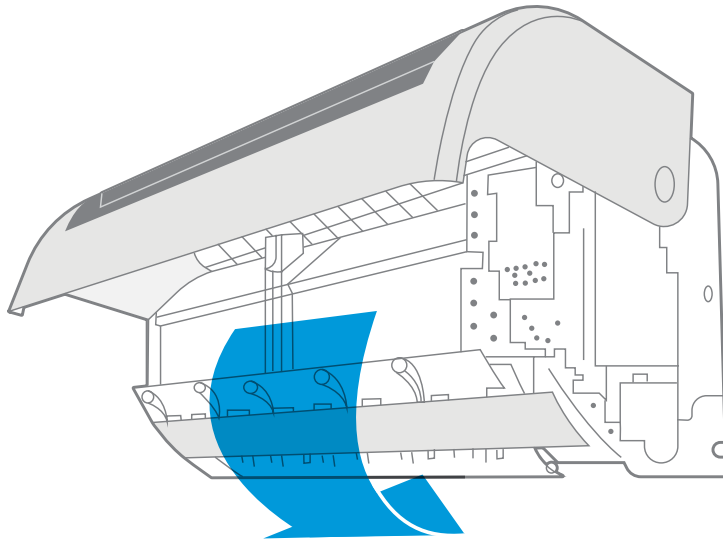
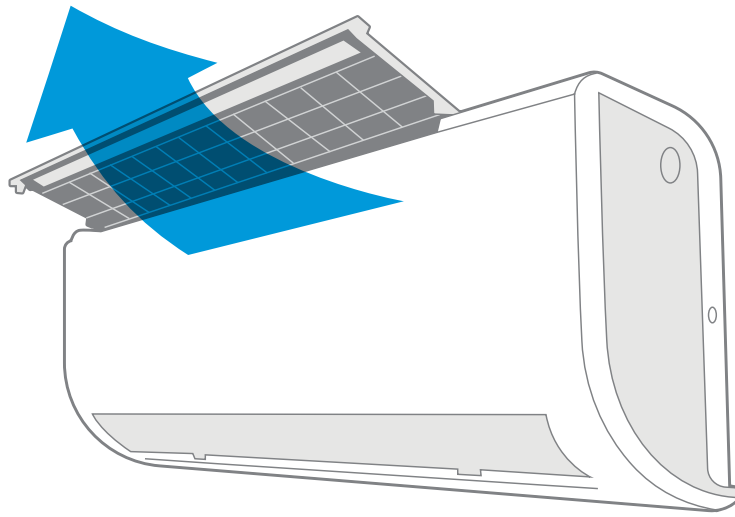
## ENHANCED UNIT DESIGN

- 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)
- Aluminum Golden Hydrophilic pre-coated fins
- Total piping length 131 - 328 ft. (40 - 100 m.)
- Vertical lift/drop piping Length 49 - 65 ft. (15 - 20 m.)
- Cooling operating range -13° - 122° F (-25° - 50° C)
- Heating operating range -22° - 86° F (-30° - 30° C)

## COMPATIBLE WITH:

- DHMPHA High Wall (p 17)
- DHMSHA High Wall (p 25)
- 40MHHQ High Wall (p 39)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 31)

## Heat Pump with Basepan Heater

Inverter Compressor

Up to 23.8 SEER

Up to 10.5 HSPF

Sizes: 18 / 24 / 30 / 36 / 48

Select systems are ENERGY STAR® certified based on indoor combinations



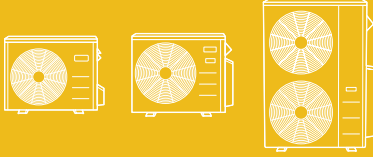
## KEY FEATURES

### Space Saving Installation

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

### Multiple Indoor Unit Styles

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



**SPECIFICATIONS:**

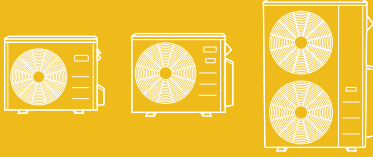
38MGR Outdoor Unit						
Heat Pump						
System						
Size		18	24	30	36	48
Outdoor Model		38MGRQ18B--3	38MGRQ24C--3	38MGRQ30D--3	38MGRQ36D--3	38MGRQ48E--3
Max Number of Zones		2	3	4	4	5
Performance Non-Ducted						
ENERGY STAR®		YES	YES	YES	YES	YES
Cooling System Tons		1.5	2.0	2.5	3.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	5,810~21,940	7,880~33,510	8,090~41,470	8,560~45,020	8,560~53,160
SEER		22.5	23	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	23,000	28,000	36,000	48,000
Heating Maximum Capacity (5° F)	Btu/h	13,900	23,000	28,000	36,000	36,000
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	10.0	10.0	10.5	10.2
COP (47° F)	W/W	3.6	3.9	3.8	3.8	3.6
COP (5° F)	W/W	2.2	2.1	2.0	1.8	2.0
Performance Combination Ducted and Non-Ducted						
ENERGY STAR®		NO	YES	NO	NO	NO
Cooling System Tons		1.5	1.9	2.4	3.0	4.0
Cooling Rated Capacity	Btu/h	18,000	23,000	29,000	35,500	48,000
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		20.5	21.0	21.7	19.3	20.0
EER		12.2	12.5	12.0	12.2	11.3
Heating Rated Capacity (47° F)	Btu/h	18,750	22,000	28,000	36,000	49,000
Heating Maximum Capacity (5° F)	Btu/h	14,150	22,000	28,000	35,500	36,400
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		9.9	9.4	9.5	9.9	10.2
COP (47° F)	W/W	3.7	3.9	3.7	3.7	3.5
COP (5° F)	W/W	2.1	2.0	2.0	1.8	1.9
Performance Ducted						
ENERGY STAR®		NO	YES	NO	NO	NO
Cooling System Tons		1.5	1.8	2.3	2.9	4.0
Cooling Rated Capacity	Btu/h	18,000	22,000	28,000	35,000	48,000
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		18.4	19.0	19.5	17.0	17.6
EER		11.8	12.5	11.5	10.8	10.1
Heating Rated Capacity (47° F)	Btu/h	18,500	21,000	28,000	36,000	50,000
Heating Maximum Capacity (5° F)	Btu/h	14,400	21,000	28,000	35,000	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		9.4	8.8	9.0	9.2	10.1
COP (47° F)	W/W	3.8	3.8	3.6	3.6	3.4
COP (5° F)	W/W	2.1	2.0	2.0	1.7	1.8
Operating Range						
Cooling Outdoor DB Min - Max	° F (° C)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)	-13~-122 (-25~-50)
Heating Outdoor DB Min - Max	° F (° C)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)	-22~-86 (-30~-30)
Piping						
Total Piping Length	ft (m)	131 (40)	197 (60)	263 (80)	328 (100)	328 (100)
Piping to furthest FCU	ft (m)	82 (25)	98 (30)	115 (35)	115 (35)	115 (35)
Drop (OD above ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Lift (OD below ID)	ft (m)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)
Pipe Connection Size - Liquid	in (mm)	1/4*2 (6.35*2)	1/4*3 (6.35*3)	1/4*4 (6.35*4)	1/4*4 (6.35*4)	1/4*5 (6.35*5)
Pipe Connection Size - Suction	in (mm)	3/8*2 (9.52*2)	3/8*3 (9.52*3)	1/2 *1+ 3/8*3 (12.7*1+9.52*3)	1/2 *2+ 3/8*2 (12.7*2+9.52*2)	1/2 *2+ 3/8*3 (12.7*2+9.52*3)

**SPECIFICATIONS:**

38MGR Outdoor Unit						
Heat Pump						
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	4.41 (2.0)	6.17 (2.8)	6.61 (3.0)	10.13 (4.6)	10.13 (4.6)
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit				
MCA	A.	18	25	30	35	35
MOCP - Fuse Rating	A.	25	35	45	50	50
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	•	•	•	•	•
	DHMPHAQ18XA3					
	DHMPHAQ24XA3					
DHMSHA High Wall	DHMSHAQ09XA3	•	•	•	•	•
	DHMSHAQ12XA3	•	•	•	•	•
	DHMSHAQ18XA3		•	•	•	•
	DHMSHAQ24XA3			•	•	•
40MHHQ High Wall	40MHHQ09--3	•	•	•	•	•
	40MHHQ12--3	•	•	•	•	•
	40MHHQ18--3		•	•	•	•
	40MHHQ24--3			•	•	•
40MBCQ Cassette	40MBCQ09--3	•	•	•	•	•
	40MBCQ12--3	•	•	•	•	•
	40MBCQ18--3		•	•	•	•
	40MBCQ24--3			•	•	•
40MBCQ Ducted	40MBDQ09--3	•	•	•	•	•
	40MBDQ12--3	•	•	•	•	•
	40MBDQ18--3		•	•	•	•
	40MBDQ24--3			•	•	•
40MBFQ Console	40MBFQ12--3	•	•	•	•	•
	40MBFQ18--3		•	•	•	•
	40MBFQ24--3			•	•	•



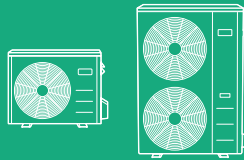
COMBINATION CHART:

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

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



# SINGLE ZONE LIGHT COMMERCIAL



**38MBR Outdoor Unit**  
Up to 18.0 SEER  
Sizes: 36 / 48 / 58



**40MBCQ Cassette**  
Sizes: 36 / 48



**40MBDQ Ducted**  
Sizes: 36 / 48 / 58



**40MBFQ Console**  
Sizes: 36 / 48 / 58



# 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 62.5 dB(A)
- Aluminum Golden Hydrophilic pre-coated fins
- Piping length 213 ft. (65 m.)
- Cooling operating range -13° ~ 122° F (-25° ~ 50° C)
- Heating operating range -22° ~ 86° F (-30° ~ 30° C)

## COMPATIBLE WITH:

- 40MBCQ Cassette (p 57)
- 40MBDQ Ducted (p 59)
- 40MBFQ Console (p 61)

## Heat Pump with Basepan Heater

Inverter Compressor

Up to 18.0 SEER

Up to 11.5 HSPF

Sizes: 36 / 48 / 58

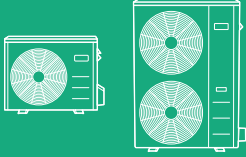
## KEY FEATURES

### Longer Piping Lengths

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

### Low Ambient Cooling 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.



**PERFORMANCE:**

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

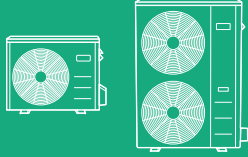
**PERFORMANCE:**

40MBDQ Ducted				
Indoor Model		40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
ENERGY STAR®		NO	NO	NO
Cooling System Tons		3.0	4.0	4.8
Cooling Rated Capacity	Btu/h	36,000	48,000	57,000
Cooling Cap. Range Min - Max	Btu/h	8,500~38,000	9,000~50,000	18,000~58,000
SEER		16.5	17.4	18.0
EER		9.0	9.2	10.0
Heating Rated Capacity (47° F)	Btu/h	40,000	49,500	62,000
Heating Rated Capacity (17° F)	Btu/h	27,600	33,400	37,600
Heating Maximum Capacity (5° F)	Btu/h	25,300	34,000	35,000
Heating Cap. Range Min - Max	Btu/h	9,500~50,000	10,000~55,000	12,000~63,000
HSPF		11.5	10.3	9.0
COP (47° F)	W/W	3	3.6	3.6
COP (17° F)	W/W	2.46	2.62	2.62
COP (5° F)	W/W	1.71	1.84	1.91

**PERFORMANCE:**

40MBFQ Console				
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
ENERGY STAR®		NO	NO	NO
Cooling System Tons		3.0	4.0	4.5
Cooling Rated Capacity	Btu/h	36,000	48,000	54,000
Cooling Cap. Range Min - Max	Btu/h	8,500~38,000	9,000~50,000	18,000~58,000
SEER		16.0	17.8	18.0
EER		8.0	9.3	9.8
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	25,400	35,000	39,000
Heating Maximum Capacity (5° F)	Btu/h	25,300	34,000	35,000
Heating Cap. Range Min - Max	Btu/h	9,500~50,000	10,000~55,000	12,000~63,000
HSPF		10.0	11.0	10.5
COP (47° F)	W/W	3	3.6	3.6
COP (17° F)	W/W	2.46	2.62	2.62
COP (5° F)	W/W	1.71	1.84	1.91





# EXCEL SERIES

## 38MBR OUTDOOR UNIT

### SPECIFICATIONS:

38MBR Outdoor Unit				
Heat Pump				
System				
Size		36	48	58
Outdoor Model		38MBRQ36A--3	38MBRQ48A--3	38MBRQ58A--3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	30	35	35
MOCP - Fuse Rating	A.	50	50	50
Operating Range				
Cooling Outdoor DB Min - Max	° F (° C)	-13~122 (-25~50)	-13~122 (-25~50)	-13~122 (-25~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping				
Total Piping Length	ft (m)	213 (65)	213 (65)	213 (65)
Piping Lift*	ft (m)	98 (30)	98 (30)	98 (30)
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Refrigerant				
Type		R410A	R410A	R410A
Charge	in (mm)	6.72 (3.05)	9.26 (4.2)	10.19 (4.62)
Compressor				
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor				
Unit Width	in (mm)	37.24 (946)	37.48 (952)	37.48 (952)
Unit Height	in (mm)	31.89 (810)	52.48 (1333)	52.48 (1333)
Unit Depth	in (mm)	16.14 (410)	16.34 (415)	16.34 (415)
Net Weight	lbs (kg)	136.47 (61.9)	217.4 (98.6)	225.09 (102.1)
Airflow	CFM	2,130	4,500	4,415
Sound Pressure	dB(A)	63.0	62.5	64.0

\*Condensing unit above or below indoor unit.

### COMPATIBILITY:

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

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



### INDOOR FEATURES

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

### COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone (p 53)

# 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  
KSACN0501AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable)  
KSACN0501AAA

### 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*	38MBRQ36A--3	38MBRQ48A--3

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



### INDOOR FEATURES

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

### COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone (p 53)

# Maximum Flexibility & Light Commercial Performance

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 KSACN0501AAA (7-Day Programmable) included with indoor unit



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0501AAA

### 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 (WG)	0.64	0.64	0.80
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

**COMPATIBILITY:**

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

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

Backward compatible with 38MBQ Single Zone Systems.



# 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)
- Aluminum Golden Hydrophilic pre-coated fins

## COMPATIBLE WITH:

- 38MBR Outdoor Unit Single Zone

(p 53)

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 KSACN0501AAA (7-Day Programmable)



Wireless Remote Controller



Wired Controller (7-Day Programmable) KSACN0501AAA

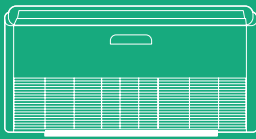
## ACCESSORIES

Wi-Fi® Kit KSAIF0401AAA



24V Interface for third-party thermostat compatibility KSAIC0301230





**SPECIFICATIONS:**

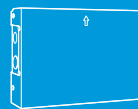
40MBFQ Console				
Heat Pump				
System				
Size		36	48	58
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	1.23	0.85	1.48
Operating Range				
Cooling Indoor 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.

# ACCESSORIES AND ADDITIONAL INFORMATION



**24V Interface Kit  
for Ductless Systems**



**Wi-Fi® Kit**



# Improved Compatibility for Ductless Systems

## FEATURES

- Control the ductless system using a third-party thermostat<sup>1</sup>
- One 24V Interface Kit per indoor head<sup>2</sup>
- Keeps the Inverter compressor operating as a variable-speed system<sup>3</sup>
- Rated for outdoor and indoor mounting
- Dry mode contact for active dehumidification control
- Remote on/off contact
- Auxiliary heat control through the thermostat<sup>4</sup>
- Diagnostic code display LEDs
- Power supplied through the outdoor unit

## COMPATIBLE WITH:

- DHMPHA High Wall (p 17)
- DHMSHA High Wall (p 25)
- 40MHH High Wall (p 39)
- 40MBCQ Cassette (p 27)
- 40MBDQ Ducted (p 29)
- 40MBFQ Console (p 31)

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

## 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

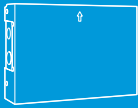
Experience quick and easy installation between either a single or multi-zone outdoor unit and the fan coil. The interface can be installed either indoors or outdoors.

### 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.)

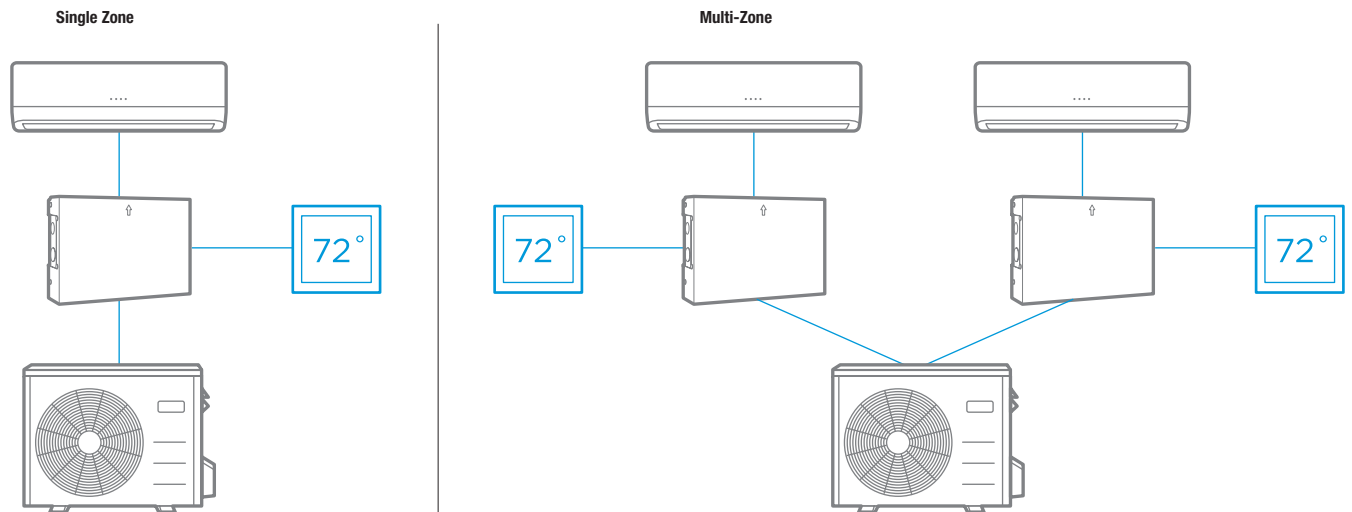


**COMPATIBILITY:**

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
	DHMSHA	38MA*R	38MGR	All Sizes
	40MHH	38MHR	38MGR	All Sizes
Cassette	40MBCQ	38MA*R	38MGR	All Sizes
Ducted	40MBDQ	38MA*R	38MGR	All Sizes Except Size 58 (See Note)
Console	40MBFQ	38MA*R	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.



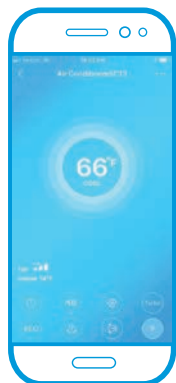
**Notes:**

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

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

<sup>3</sup>A conventional 5-wire thermostat is required.

<sup>4</sup>A 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

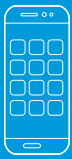
The Wi-Fi® Accessory Kits are backwards compatible with indoor units of the same series. No serial number cutout.

Wi-Fi® Accessories Model#	Description	DHMPHA	DHMSHA	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:** [MideaDuctless.com](http://MideaDuctless.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	KSACN0401AAA	KSACN0501AAA	Third Party Thermostat**
Function	Timer Function	X			
	7-Day Programmable		X	X	X
High Wall	DHMPHA		○		○
High Wall	DHMSHA	○	○ †		○
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) KSACN0401AAA	Wired Controller (7-Day Programmable) KSACN0501AAA



## 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.

### **Golden Fin Coating**

A coating on the condenser preventing build-up of mold and bacteria while improving heat transfer efficiency.

### **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.







[MideaDuctless.com](http://MideaDuctless.com)

---

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

©2019 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.

SAP Part No. 01-MID-028-25  
07/2019

