

Home Is Where the Comfort Is

2023 Ductless Systems Catalog

Fall 2023





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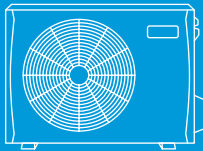


The Difference Between Hot, Cold & Comfortable

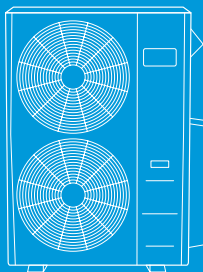
Ductless, also called a mini-split, is an extraordinary HVAC system that makes any room comfortable at the push of a button. It's free from long, expansive ductwork. Instead, ductless circulates conditioned refrigerant between an indoor unit and an outdoor unit connected by copper refrigerant tubing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

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

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



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



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



FLEXIBLE & CUSTOMIZABLE

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

- New construction and renovations
- Historic or older homes/buildings with no ductwork
- Rooms that are often too hot or too cold
- Basements, attics, garages and additions
- Multi-family developments, assisted living facilities, hotels and more



ENERGY EFFICIENT

Midea ductless systems use **inverter compressor technology to continuously adjust heating and cooling capacities** to best match a room's current condition. The indoor units also control individual rooms, heating and cooling spaces only when they're in use. This, plus no ductwork, means you see less energy loss than with a traditional HVAC system—amounting to significant savings on energy bills.



EASY INSTALLATION

Installation is **quick, non-intrusive and minimally disruptive** to your home or business.

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



CONTROL COMFORT FROM ANYWHERE

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

***Not all products are Wi-Fi® enabled**



SMART TECHNOLOGY DESIGNED WITH YOU IN MIND

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



EASY-TO-CLEAN AIR FILTERS

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

The Sweet Spot Between Cold Fronts & Heat Waves

Turn Any Space into a Personal Utopia

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



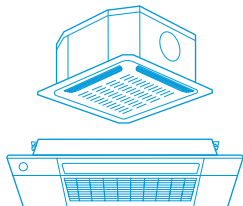
High wall: This is the ideal unit for open floor plans, such as a living room, where air easily circulates, and foot traffic is high. Since it sits high on the wall, the unit stays out of the way to give your room more usable space.



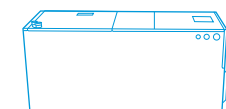
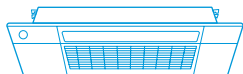
Console: Choose this unit for areas like a sunroom or finished attic, with shorter walls and minimal insulation. This unit sits about six inches off the floor as to not obstruct your view or lighting.



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

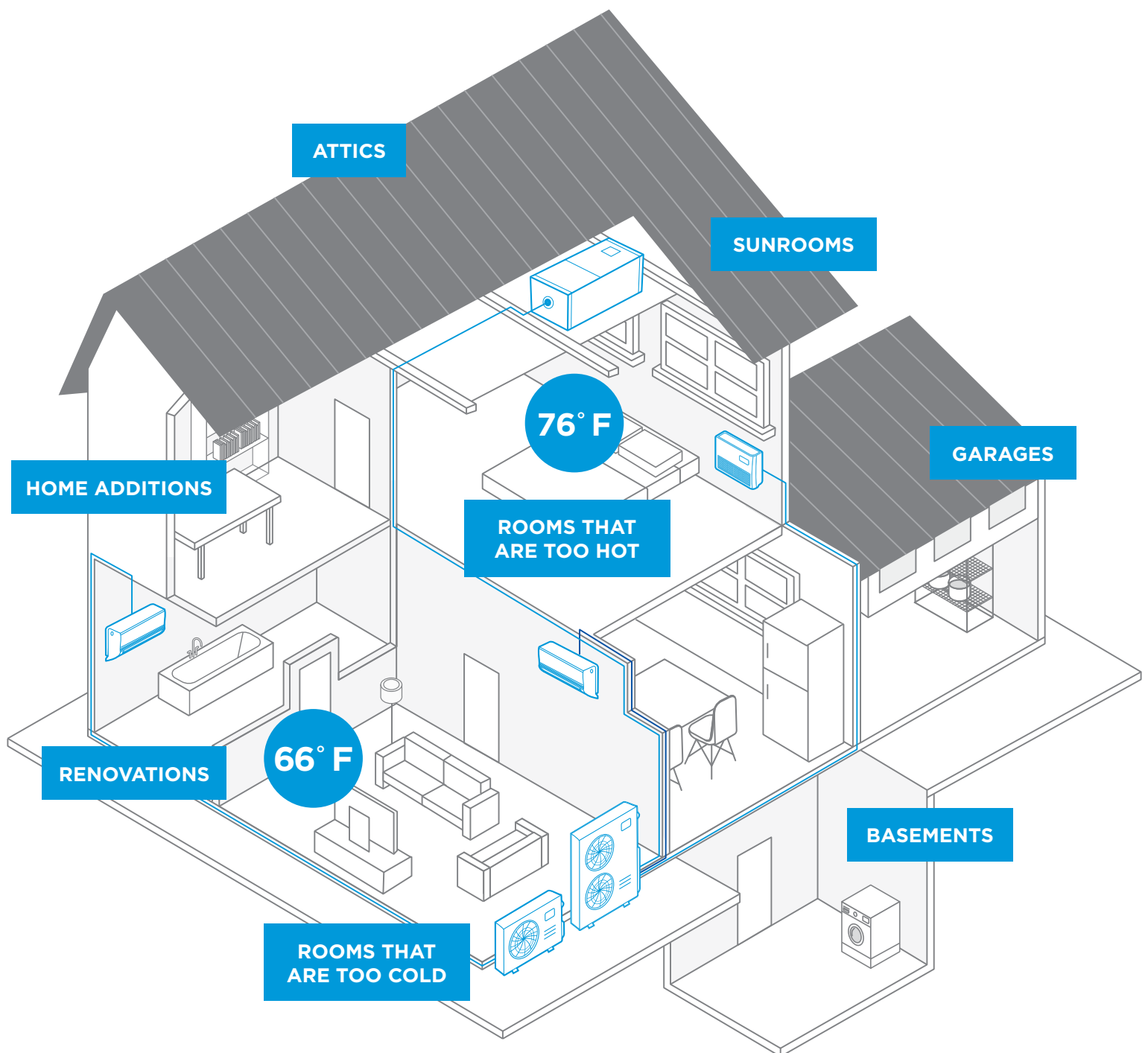


Cassette: This is a terrific solution when you need four-way directional air flow, like in a home office. The unit recesses into the ceiling and can be placed in the center of the room for optimal comfort and control.

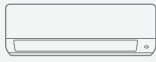
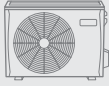
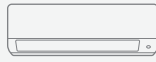
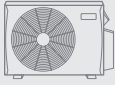
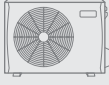
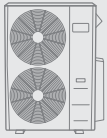
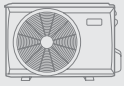
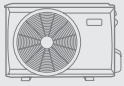


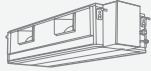
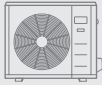
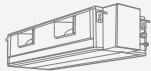
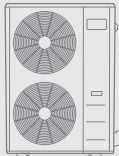
Air Handler: A ductless unit that leverages existing ductwork. An excellent replacement for aging or failing furnaces. Enjoy the benefits of ductless technology without completely overhauling your current systems.

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



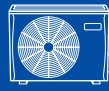
The Right Product for the Right Application

	SINGLE ZONE RESIDENTIAL			MULTI-ZONE RESIDENTIAL		
	Indoor Units		Outdoor Units	Indoor Units		Outdoor Units
ELEVATE SERIES	 DHMPHB High Wall Sizes: 09 / 12	 DHMPHB High Wall Size: 18	 38MPRB Outdoor Unit Sizes: 09 / 12 / 18 Up to 28.5 SEER2 Up to 18.0 HSPF2	 DHMPHB High Wall Sizes: 09 / 12	 DHMPHB High Wall Size: 18	
	 DHMAHB High Wall Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36	 40MCCAQ One-Way Cassette Sizes: 06 / 09 / 12 / 18		 DHMAHB High Wall Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36	 40MCCAQ One-Way Cassette Sizes: 06 / 09 / 12 / 18	 38MGRB Outdoor Unit Size: 18R Up to 22.9 SEER2 Up to 10.5 HSPF2
EXCEL SERIES	 40MBCQ Cassette Sizes: 09 / 12 / 18	 40MBCAQ Cassette Size: 24		 40MBCQ Cassette Sizes: 09 / 12 / 18	 40MBCAQ Cassette Size: 24	 38MGRB Outdoor Unit Size: 36R 38MGHB High Heat Outdoor Unit Sizes: 24HH / 30HH Up to 26.0 SEER2 Up to 10.0 HSPF2
	 40MBDQ Ducted Sizes: 09 / 12 / 18 / 24	 40MBDAQ High Static Slim Ducted Sizes: 09 / 12 / 18 / 24	 38MARB Outdoor Unit Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36 Up to 28.1 SEER2 Up to 13.6 HSPF2	 40MBDQ Ducted Sizes: 09 / 12 / 18 / 24	 40MBDAQ High Static Slim Ducted Sizes: 09 / 12 / 18 / 24	
	 40MBFAQ Floor Console Size: 12	 40MBFQ Console Sizes: 18 / 24		 40MBFAQ Floor Console Size: 12	 40MBFQ Console Sizes: 18 / 24	 38MGRB Outdoor Unit Size: 48R 38MGHB High Heat Outdoor Unit Sizes: 36HH / 48HH Up to 23.4 SEER2 Up to 10.3 HSPF2
	 40MBAB Air Handler Sizes: 18 / 24 / 30 / 36			 40MBAB Air Handler Sizes: 18 / 24 / 30 / 36		
ESSENCE SERIES	 40MHAC High Wall Sizes: 09 / 12 / 18 / 24 Cooling Only	 40MHQA High Wall Sizes: 09 / 12 / 18 / 24 / 30 / 36 Heat Pump	 38MHRDC Outdoor Unit Sizes: 09 / 12 / 18 / 24 Up to 21.7 SEER2 Cooling Only	 40MHAC High Wall Sizes: 09 / 12 / 18 / 24 Cooling Only	 40MHQA High Wall Sizes: 09 / 12 / 18 / 24 / 30 / 36 Heat Pump	
			 38MHRDC Outdoor Unit Sizes: 09 / 12 / 18 / 24 / 30 / 36 Up to 21.7 SEER2 Up to 9.4 HSPF2 Heat Pump			

LIGHT COMMERCIAL		
Indoor Units		Outdoor Units
 40MBCAQ Cassette Sizes: 36 / 48	 40MBFQ Console Sizes: 36 / 48 / 58	
 40MBDQ Ducted Sizes: 36 / 48	 40MBDQ Ducted Size: 58	 38MBRC Outdoor Unit Size: 36 Up to 19.0 SEER2 Up to 10.2 HSPF2
 40MBDAQ High Static Slim Ducted Sizes: 36 / 48	 40MBDAQ High Static Slim Ducted Size: 58	 38MBRC Outdoor Unit Sizes: 48 / 58 Up to 19.8 SEER2 Up to 10.0 HSPF2
 40MBAB Air Handler Sizes: 36 / 48 / 60		

SYSTEM	SIZES	SEER2	HSPF2	PAGE
SINGLE ZONE RESIDENTIAL				
38MPRB Outdoor Unit	Sizes: 09 / 12 / 18	Up to 28.5 SEER2	Up to 18.0 HSPF2	12-13
DHMPHB High Wall	Sizes: 09 / 12 / 18			14-15
38MARB Outdoor Unit	Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36	Up to 28.1 SEER2	Up to 13.6 HSPF2	16-19
DHMAHB High Wall	Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36			20-21
40MCCAQ One-Way Cassette	Sizes: 06 / 09 / 12 / 18			22-23
40MBCQ Cassette	Sizes: 09 / 12 / 18			24-25
40MBCAQ Cassette	Size: 24			26-27
40MBDQ Ducted	Sizes: 09 / 12 / 18 / 24			28-29
40MBDAQ High Static Slim Ducted	Sizes: 09 / 12 / 18 / 24			30-31
40MBAB Air Handler	Sizes: 18 / 24 / 30 / 36			32-33
40MBFAQ & 40MBFQ Console	Sizes: 12 / 18 / 24			34-35
38MHRDC & 38MHRQC Outdoor Unit	Sizes: 09 / 12 / 18 / 24 / 30 / 36	Up to 21.7 SEER2	Up to 9.4 HSPF2	36-39
40MHHAC & 40MHHAQ High Wall	Sizes: 09 / 12 / 18 / 24 / 30 / 36			40-43
MULTI-ZONE RESIDENTIAL				
38MGRB & 38MGHB Outdoor Unit	Sizes: 18 / 24HH / 30HH / 36 / 36HH / 48 / 48HH	Up to 26.0 SEER2	Up to 10.5 HSPF2	46-49
LIGHT COMMERCIAL				
38MBRC Outdoor Unit	Sizes: 36 / 48 / 58	Up to 19.8 SEER2	Up to 10.2 HSPF2	52-55
40MBCAQ Cassette	Sizes: 36 / 48			56-57
40MBDQ Ducted	Sizes: 36 / 48 / 58			58-59
40MBDAQ High Static Slim Ducted	Sizes: 36 / 48 / 58			60-61
40MBFQ Console	Sizes: 36 / 48 / 58			62-63
40MBAB Air Handler	Sizes: 36 / 48 / 60			64-65

SINGLE ZONE RESIDENTIAL

**38MPRB Outdoor Unit**

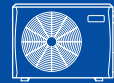
Up to 28.5 SEER2
Up to 18.0 HSPF2
Sizes: 09 / 12 / 18

**DHMPHB High Wall**

Sizes: 09 / 12

**DHMPHB High Wall**

Size: 18

**38MARB Outdoor Unit**

Up to 28.1 SEER2
Up to 13.6 HSPF2
Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36

**DHMAHB High Wall**

Sizes: 06 / 09 / 12 / 18 / 24 / 30 / 36

**40MCCAQ One-Way Cassette**

Sizes: 06 / 09 / 12 / 18

**40MBCQ Cassette**

Sizes: 09 / 12 / 18

**40MBCAQ Cassette**

Size: 24

**40MBDQ Ducted**

Sizes: 09 / 12 / 18 / 24

**40MBDAQ High Static Slim Ducted**

Sizes: 09 / 12 / 18 / 24

**40MBAB Air Handler**

Sizes: 18 / 24 / 30 / 36

**40MBFAQ Floor Console**

Size: 12

**40MBFQ Console**

Sizes: 18 / 24

**38MHRDC & 38MHRCQ Outdoor Unit**

Up to 21.7 SEER2
Up to 9.4 HSPF2
Sizes: 09 / 12 / 18 / 24 / 30 / 36

**40MHHAQ High Wall**

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



FEATURES

- 100% Heating capacity at 0° F (-17° C) without wind baffles
- 100% Cooling capacity at -22° F (-30° C)
- Available in 208/230V
- Built-in basepan heater
- Auto-restart function
- Refrigerant leakage detection
- Quiet outdoor operation
- Anti-corrosive fin coating
- Piping length up to 164 ft (50m)
- Cooling operating range: -22° ~ 122° F (-30° ~ 50° C)
- Heating operating range: -22° ~ 75° F (-25° ~ 24° C)

COMPATIBLE WITH:

- DHMPHB High Wall

(p 14)

An Efficient Outdoor Unit for **Peak Performance & Energy Savings**

Heat Pump with Basepan Heater

Inverter Compressor

Up to 28.5 SEER2

Up to 18.0 HSPF2

Sizes: 09 / 12 / 18

All systems are ENERGY STAR® certified based on indoor unit pairings



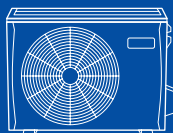
KEY FEATURES

Unrivaled Efficiency

With a SEER2 rating of up to 28.5 and a cooling operating range of -22° F to 122° F, this outdoor unit offers first-rate efficiency without compromising performance.

Virtually Silent Operation

Enjoy a more peaceful outdoor experience with a unit that's nearly silent—operating at as low as 54.0 dB(A).



ELEVATE SERIES

38MPRB OUTDOOR UNIT

SPECIFICATIONS:

38MPRB Outdoor Unit				
Heat Pump				
System				
Size		9K	12K	18K
Outdoor Model		38MPRBQ09AA3	38MPRBQ12AA3	38MPRBQ18AA3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	16	16	25
Recommended Fuse Rating	A.	20	20	30
MOCP - Fuse Rating	A.	20	20	35
Operating Range				
Cooling Outdoor DB Min - Max	° F (° C)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~75 (-30~24)	-22~75 (-30~24)	-22~75 (-30~24)
Piping				
Total Piping Length	ft (m)	82 (25)	82 (25)	164 (50)
Piping Lift*	ft (m)	32.8 (10)	32.8 (10)	82 (25)
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 (15.9)
Refrigerant				
Type		R410A	R410A	R410A
Charge	lbs (kg)	3.31 (1.5)	3.31 (1.5)	5.73 (2.6)
Outdoor				
Unit Width	in (mm)	35.04 (890)	35.04 (890)	37.24 (946)
Unit Height	in (mm)	26.50 (673)	26.50 (673)	31.89 (810)
Unit Depth	in (mm)	13.46 (342)	13.46 (342)	16.14 (410)
Net Weight	lbs (kg)	101.41 (46)	101.41 (46)	134.48 (61)
Airflow	CFM	1,765	1,765	2,235
Sound Pressure	dB(A)	56.5	56.5	54.0

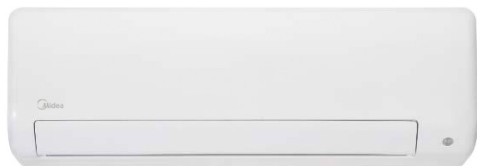
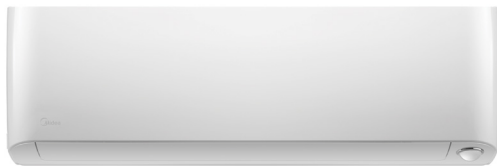
*Condensing unit above or below indoor unit.

COMPATIBILITY:

Indoor Unit		Outdoor Unit		
		38MPRBQ09AA3	38MPRBQ12AA3	38MPRBQ18AA3
High Wall	DHMPHBQ09XA3	•		
	DHMPHBQ12XA3		•	
	DHMPHBQ18XA3			•

PERFORMANCE:

High Wall				
Indoor Model		DHMPHBQ09XA3	DHMPHBQ12XA3	DHMPHBQ18XA3
ENERGY STAR®		YES	YES	YES
Cooling System Tons		0.75	1.0	1.5
Cooling Rated Capacity	Btu/h	9,000	12,000	18,000
Cooling Cap. Range Min - Max	Btu/h	2,800~16,900	2,800~16,900	6,900~27,000
SEER2		28.5	27.0	26.3
EER2		16.0	14.0	15.3
Heating Rated Capacity (47° F)	Btu/h	12,000	12,000	20,000
Heating Rated Capacity (17° F)	Btu/h	6,900	6,900	11,000
Heating Maximum Capacity (17° F)	Btu/h	18,100	18,100	11,300
Heating Maximum Capacity (5° F)	Btu/h	13,900	13,900	25,400
Heating Cap. Range Min - Max	Btu/h	5,100~19,000	5,100~19,000	9,900~31,000
HSPF2		18.0	12.0	15.5
COP (47° F)	W/W	3.84	3.84	4.30
COP (17° F)	W/W	2.89	2.89	2.80
COP (5° F)	W/W	2.00	2.00	2.00



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Four Fan speeds including Turbo Mode
- Carbon Filter
- Sleep Mode
- Relative Humidity Sensor
- Intelligent Eye (Occupancy Sensor)
- ECO Mode
- Up-Down / Right-Left louver control (fixed or swing)
- *Follow Me* (senses temperature at handheld remote)
- NEW drop-down motor feature (18K only)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MPRB Outdoor Unit Single Zone (p 12)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Elevate High Wall

Sizes: 09 / 12 / 18

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



KEY FEATURES

Superior Comfort

With innovative features, like the Occupancy Sensor, airflow is directed toward or away from anyone in the room.

Top Tier Performance

Get the most out of a flexible, energy efficient unit with best-in-class performance and ultimate efficiency.

CONTROLS

Wi-Fi® kit included with indoor unit



Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0601AAA (7-Day Programmable) Sizes 09 / 12

Optional Wired Remote Controller KSACN0801AAA (7-Day Programmable) Size 18



Wireless Remote Controller



Optional Wired Controller
KSACN0601AAA or
KSACN0801AAA
(7-Day Programmable)



SPECIFICATIONS:

DHMPHB High Wall				
Heat Pump				
System				
Size		9K	12K	18K
Indoor Model		DHMPHBQ09XA3	DHMPHBQ12XA3	DHMPHBQ18XA3
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.	0.3	0.3	0.625
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	62~90 (17~32)	62~90 (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)	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)	5/8 (16)
Indoor				
Unit Width (W)	in (mm)	35.2 (895)	35.2 (895)	44.88 (1140)
Unit Height (H)	in (mm)	11.7 (298)	11.7 (298)	14.57 (370)
Unit Depth (D)	in (mm)	9.8 (248)	9.8 (248)	10.83 (275)
Net Weight	lbs (kg)	28.66 (13)	28.66 (13)	43.65 (19.8)
Number of Fan Speeds		4	4	4
Airflow (lowest to highest)	CFM	144/245/295/345	168/252/306/357	319/414/611/719
Cooling Sound Pressure (lowest to highest)	dB(A)	29/35.5/41.5/45.6	29/35.5/41.5/46.8	36.7/39.2/43.5/52.1
Heating Sound Pressure (lowest to highest)	dB(A)	30.5/36/40.5/44.5	30.5/36/40.5/46.1	36.5/38.2/44.1/52
Air Throw Data	ft (m)	21.98 (6.7)	22.97 (7)	31.5 (9.6)
Moisture Removal	Pint/h (L/h)	2.11 (1.0)	2.54 (1.2)	5.5 (2.6)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)

COMPATIBILITY:

Indoor Unit	DHMPHBQ09XA3	DHMPHBQ12XA3	DHMPHBQ18XA3
Outdoor Unit Single Zone*	38MPRBQ09AA3	38MPRBQ12AA3	38MPRBQ18AA3
Outdoor Unit Multi-Zone*	38MGRBQ18BA3	38MGRBQ18BA3	
	38MGHBQ24CA3	38MGHBQ24CA3	
	38MGHBQ30DA3	38MGHBQ30DA3	38MGHBQ30DA3
	38MGRBQ36DA3	38MGRBQ36DA3	38MGRBQ36DA3
	38MGHBQ36DA3	38MGHBQ36DA3	38MGHBQ36DA3
	38MGRBQ48EA3	38MGRBQ48EA3	38MGRBQ48EA3
	38MGHBQ48EA3	38MGHBQ48EA3	38MGHBQ48EA3

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



Excel

Heat Pump with Basepan Heater

FEATURES

- 100% Heating capacity at -4° F (-20° C)*
- Available in 208/230V (6-36K) and 115V (12K)
- Built-in basepan heater
- Auto-restart function
- Anti-corrosive fin coating
- Piping length up to 213 ft (65m)
- Cooling operating range: 22° ~ 130° F (-30° ~ 55° C)
- Heating operating range: -22° ~ 86° F (-25° ~ 30° C)

COMPATIBLE WITH:

- | | |
|-----------------------------------|--------|
| • DHMAHB High Wall | (p 20) |
| • 40MCCAQ One-Way Cassette | (p 22) |
| • 40MBCQ Cassette | (p 24) |
| • 40MBCAQ Cassette | (p 26) |
| • 40MBDQ Ducted | (p 28) |
| • 40MBDAQ High Static Slim Ducted | (p 30) |
| • 40MBAB Air Handler | (p 32) |
| • 40MBFAQ Floor Console | (p 34) |
| • 40MBFQ Console | (p 34) |

Heat Pump with Basepan Heater

Inverter Compressor

Up to 28.1 SEER2

Up to 13.6 HSPF2

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

Select systems are ENERGY STAR® certified based on indoor unit pairings



KEY FEATURES

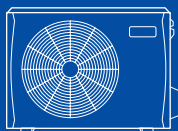
Extra-Low Temperature Heating

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

Rapid Cooling and Heating

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

* For certain models.



PERFORMANCE:

DHMAHB High Wall									
Size		12	6	9	12	18	24	30	36
Indoor Model		DHMAHBQ12XA1	DHMAHBQ06XA3	DHMAHBQ09XA3	DHMAHBQ12XA3	DHMAHBQ18XA3	DHMAHBQ24XA3	DHMAHBQ30XA3	DHMAHBQ36XA3
ENERGY STAR®		YES	YES	YES	YES	YES	YES	NO	NO
Cooling Rated Capacity	Btu/h	12,000	6,000	9,000	12,000	18,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max	Btu/h	3,500~13,200	3,400~12,000	3,300~14,300	3,300~14,300	8,900~19,400	6,850~27,000	8,900~32,600	9,300~38,800
SEER2		23.5	26.5	28.1	25.5	21.5	21.5	20.0	20.0
EER2		13.0	15.8	16.2	14.0	12.5	13.0	11.5	8.5
Heating Rated Capacity (47° F)	Btu/h	12,000	7,000	12,000	12,000	18,000	29,000	30,000	36,000
Heating Rated Capacity (17° F)	Btu/h	8,400	8,500	9,500	10,000	15,000	19,800	19,000	22,400
Heating Rated Capacity (5° F)	Btu/h	7,100	7,500	10,500	12,000	18,000	25,200	20,600	20,400
Heating Maximum Capacity (17° F)	Btu/h	8,500	9,000	12,000	12,000	20,270	27,200	21,200	22,500
Heating Cap. Range Min - Max	Btu/h	5,000~12,200	3,500~11,500	5,000~15,200	5,000~15,300	15,100~19,500	11,600~33,000	12,300~34,100	11,550~37,000
HSPF2		10.0	13.6	11.5	10.4	11.3	11.4	9.2	8.0
COP (47° F)	W/W	3.52	3.92	3.81	3.88	3.10	3.40	2.90	2.51
COP (17° F)	W/W	2.80	2.90	2.53	2.41	2.35	2.87	2.30	2.18
COP (5° F)	W/W	2.18	2.10	1.80	1.80	1.80	1.80	1.94	1.80

PERFORMANCE:

40MBCQ & 40MBCAQ Cassette					
Size		9	12	18	24
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3	40MBCAQ24---3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.00	1.33	2.00
Cooling Rated Capacity	Btu/h	9,000	12,000	16,000	24,000
Cooling Cap. Range Min - Max	Btu/h	2,850~11,100	3,000~13,700	5,600~17,000	8,000~25,000
SEER2		20.5	22.3	20.0	20.5
EER2		13.0	12.7	12.5	11.0
Heating Rated Capacity (47° F)	Btu/h	9,800	12,000	17,000	25,000
Heating Rated Capacity (17° F)	Btu/h	9,000	9,900	15,900	21,000
Heating Maximum Capacity (5° F)	Btu/h	10,000	11,300	16,000	25,800
Heating Maximum Capacity (17° F)	Btu/h	11,800	14,000	17,000	25,800
Heating Cap. Range Min - Max	Btu/h	2,250~12,500	2,000~15,300	8,700~21,000	11,800~27,000
HSPF2		10.3	10.2	9.5	11.5
COP (47° F)	W/W	3.09	3.26	2.95	3.5
COP (17° F)	W/W	1.91	2.54	2.44	2.64
COP (5° F)	W/W	1.80	1.90	1.75	2.00

40MBDQ Ducted					
Size		9	12	18	24
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.4	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	16,500	24,000
Cooling Cap. Range Min - Max	Btu/h	2,400~12,500	2,250~14,400	6,500~18,800	6,500~27,800
SEER2		20.2	19.5	18.0	19.2
EER2		13.2	11.7	11.7	12.0
Heating Rated Capacity (47° F)	Btu/h	10,000	12,500	19,000	25,000
Heating Rated Capacity (17° F)	Btu/h	10,100	10,600	15,000	21,000
Heating Rated Capacity (5° F)	Btu/h	10,800	12,100	17,700	27,000
Heating Maximum Capacity (17° F)	Btu/h	11,600	12,600	19,000	24,000
Heating Cap. Range Min - Max	Btu/h	1,700~15,600	1,800~16,300	8,900~22,000	12,200~32,200
HSPF2		12.0	10.0	9.5	10.5
COP (47° F)	W/W	3.37	3.56	2.93	3.30
COP (17° F)	W/W	2.40	2.50	2.27	2.64
COP (5° F)	W/W	1.90	1.96	1.85	2.00

PERFORMANCE:

40MBFAQ & 40MBFQ Console				
Size		12	18	24
Indoor Model		40MBFAQ12---3	40MBFQ18---3	40MBFQ24---3
ENERGY STAR®		YES	YES	YES
Cooling System Tons		1.0	1.42	2.0
Cooling Rated Capacity	Btu/h	12,000	17,000	24,000
Cooling Cap. Range Min - Max	Btu/h	7,600~14,400	7,800~19,900	5,400~26,800
SEER2		24.2	20.5	20.5
EER2		13.3	12.5	11.7
Heating Rated Capacity (47° F)	Btu/h	12,000	18,000	25,000
Heating Rated Capacity (17° F)	Btu/h	10,200	12,000	19,000
Heating Rated Capacity (5° F)	Btu/h	11,600	16,000	25,000
Heating Maximum Capacity (17° F)	Btu/h	12,800	17,000	28,600
Heating Cap. Range Min - Max	Btu/h	5,000~15,700	8,600~21,500	12,500~30,500
HSPF2		10.7	9.8	11.0
COP (47° F)	W/W	4.10	3.01	3.56
COP (17° F)	W/W	2.71	2.30	2.64
COP (5° F)	W/W	2.08	1.80	2.10

40MBAB Air Handler					
Size		18	24	30	36
Indoor Model		40MBABQ18XB3	40MBABQ24XB3	40MBABQ30XB3	40MBABQ36XB3
ENERGY STAR®		YES	YES	NO	NO
Cooling System Tons		1.5	1.92	2.5	3.0
Cooling Rated Capacity	Btu/h	18,000	23,000	30,000	36,000
Cooling Cap. Max	Btu/h	21,000	25,600	33,600	38,000
SEER2		17.6	18.4	17.5	15.4
EER2		11.7	11.7	11.2	8.2
Heating Rated Capacity (47° F)	Btu/h	19,000	26,000	30,000	38,000
Heating Rated Capacity (17° F)	Btu/h	15,400	16,900	20,500	27,000
Heating Rated Capacity (5° F)	Btu/h	17,600	23,500	20,500	20,900
Heating Maximum Capacity (17° F)	Btu/h	18,200	25,000	22,000	27,200
Heating Cap. Range Min - Max	Btu/h	9,000~21,000	5,600~29,000	12,000~32,000	9,200~43,000
HSPF2		9.6	9.3	8.4	9.0
COP (47° F)	W/W	3.39	3.50	3.52	3.10
COP (17° F)	W/W	2.70	2.39	2.40	2.53
COP (5° F)	W/W	2.00	1.94	1.90	1.79

PERFORMANCE:

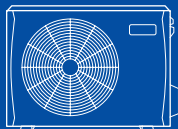
40MCCAQ One-Way Cassette					
Size		6	9	12	18
Indoor Model		40MCCAQ09XA3		40MCCAQ18XA3	
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.5	0.75	1.0	1.5
Cooling Rated Capacity	Btu/h	6,500	9,000	12,000	16,700
Cooling Cap. Range Min - Max	Btu/h	3,600~11,200	3,600~12,200	4,000~14,100	6,100~17,500
SEER2		22.0	24.0	23.0	19.8
EER2		14.5	13.0	13.0	12.5
Heating Rated Capacity (47° F)	Btu/h	9,700	12,000	14,800	20,000
Heating Rated Capacity (17° F)	Btu/h	5,700	9,800	9,500	12,500
Heating Rated Capacity (5° F)	Btu/h	8,000	10,500	11,000	16,700
Heating Maximum Capacity (17° F)	Btu/h	10,000	11,400	11,500	18,800
Heating Cap. Range Min - Max	Btu/h	3,700~12,500	4,800~14,000	4,600~15,000	6,450~21,500
HSPF2		10.8	12.4	10.0	11.2
COP (47° F)	W/W	3.75	3.30	3.56	3.19
COP (17° F)	W/W	2.60	2.35	2.48	2.50
COP (5° F)	W/W	2.00	1.80	1.80	1.80

40MBDAQ High Static Ducted					
Size		9	12	18	24
Indoor Model		40MBDAQ09XH3	40MBDAQ12XH3	40MBDAQ18XH3	40MBDAQ24XH3
ENERGY STAR®		YES	YES	YES	YES
Cooling System Tons		0.75	1.0	1.46	2.0
Cooling Rated Capacity	Btu/h	9,000	12,000	17,500	24,000
Cooling Cap. Range Min - Max	Btu/h	3,450~13,000	4,000~14,000	7,000~18,700	6,500~27,800
SEER2		20.5	20.0	18.0	19.2
EER2		13.6	12.0	12.1	12.0
Heating Rated Capacity (47° F)	Btu/h	9,800	12,000	19,000	25,000
Heating Rated Capacity (17° F)	Btu/h	8,600	9,700	15,700	21,000
Heating Rated Capacity (5° F)	Btu/h	10,800	12,000	18,000	24,000
Heating Maximum Capacity (17° F)	Btu/h	12,000	12,200	20,000	24,000
Heating Cap. Range Min - Max	Btu/h	4,550-14,000	3,600-15,000	5,900-23,000	12,200-32,200
HSPF2		10.0	9.5	10.8	11.1
COP (47° F)	W/W	3.46	3.35	3.71	3.30
COP (17° F)	W/W	2.30	2.58	2.60	2.75
COP (5° F)	W/W	1.90	1.85	2.20	2.00

SPECIFICATIONS:

38MARB Outdoor Unit									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Outdoor Model		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	19	13	15	15	16	25	23	28
MOCP - Fuse Rating	A.	25	15	15	15	25	35	30	35
Operating Range									
Cooling Outdoor DB Min - Max	° F (° C)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)	-22~122 (-30~50)
Heating Outdoor DB Min - Max	° F (° C)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Piping									
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98 (30)	164 (50)	164 (50)	213 (65)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	65 (20)	82 (25)	82 (25)	98 (30)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Refrigerant									
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	in (mm)	2.47 (1.12)	2.38 (1.08)	2.6 (1.18)	2.6 (1.18)	4.08 (1.85)	5.73 (2.6)	6.06 (2.75)	7.50 (3.40)
Compressor									
Type		Rotary Inverter							
Outdoor									
Unit Width	in (mm)	30.12 (765)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.81 (554)	21.81 (554)	26.50 (673)	31.89 (810)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (410)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	66.80 (30.3)	63.71 (28.9)	74.07 (33.6)	73.63 (33.4)	100.97 (45.8)	134.48 (61)	141.76 (64.3)	150.13 (68.1)
Airflow	CFM	794	1,324	1,324	1,324	1,765	2,235	2,235	2,235
Sound Pressure	dB(A)	54.0	54.5	54.5	56.0	59.0	62.0	61.5	61.5

*Condensing unit above or below indoor unit.



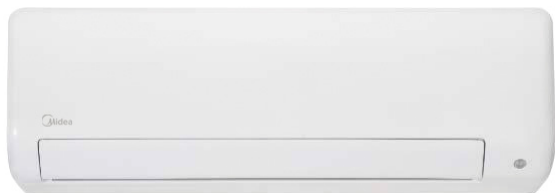
COMPATIBILITY:

Indoor Unit		Outdoor Unit								38MARBQ36AB3
		38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3	
High Wall	DHMAHBQ12XA1	•								
	DHMAHBQ06XA3		•							
	DHMAHBQ09XA3			•						
	DHMAHBQ12XA3				•					
	DHMAHBQ18XA3					•				
	DHMAHBQ24XA3						•			
	DHMAHBQ30XA3							•		
Cassette	DHMAHBQ36XA3								•	
	40MBCQ09---3			•						
	40MBCQ12---3				•					
	40MBCQ18---3					•				
One-Way Cassette	40MBCA024XA3						•			
	40MCCAQ09XA3		•	•						
Ducted	40MCCAQ18XA3				•	•				
	40MBDQ09---3			•						
	40MBDQ12---3				•					
	40MBDQ18---3					•				
High Static Slim Ducted	40MBDQ24---3					•	•			
	40MBDAQ09XH3			•						
	40MBDAQ12XH3				•					
	40MBDAQ18XH3					•				
	40MBDAQ24XH3						•			
	40MBDAQ36XH3							•		
	40MBDAQ48XH3								•	
Console	40MBDAQ58XH3									•
	40MBFAQ12XA3				•					
	40MBFQ18---3					•				
Air Handler	40MBFQ24---3						•			
	40MBABQ18XB3					• †				
	40MBABQ24XB3						• †			
	40MBABQ30XB3							• †		
	40MBABQ36XB3									•

Not available/compatible or phased out

• Compatible

† Compatible with phased out outdoor unit models starting with serial number: 5122V10319, see TIC 2022-0021 for additional information



FEATURES

- Available in 208/230V (6-36K) or 115V (12K)
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Fully modulating fan speeds
- Sleep Mode
- Up-Down / Left-Right louver control (fixed or swing)
- ECO Mode
- Heating setback (46° F Heating Mode)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel High Wall

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

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Time-saving Design

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

Improved Efficiency & Performance

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

Customizable Comfort

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

CONTROLS

Wireless Remote Controller included with indoor unit
Optional Wired Remote Controller KSACN0801AAA (7-Day Programmable)



Wireless
Remote Controller



Optional Wired Controller
KSACN0801AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0601AAA

24V interface for third-party
thermostat compatibility KSAIC0301230





SPECIFICATIONS:

DHMAHB High Wall									
Heat Pump									
System									
Size		12	6	9	12	18	24	30	36
Indoor Model		DHMAHBQ12XA1	DHMAHBQ06XA3	DHMAHBQ09XA3	DHMAHBQ12XA3	DHMAHBQ18XA3	DHMAHBQ24XA3	DHMAHBQ30XA3	DHMAHBQ36XA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit							
MCA	A.	0.2500	0.3125	0.3125	0.3125	0.1625	0.6250	0.6250	0.6250
Controls									
Wireless Remote Controller (° F / ° C Convertible)		Standard							
Wired Remote Controller (° F / ° C Convertible)		Optional							
24V Interface for Third-Party Thermostat Control		Optional							
Wi-Fi® for Phone App Control		Optional							
Operating Range									
Cooling Outdoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Outdoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping									
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor Coil									
Face Area	Sq. Ft.	2.15	2.15	2.15	2.15	2.75	3.60	3.60	3.60
No. Rows		2	2	2	2	2	3	3	3
Fins per inch		20	20	20	20	20	20	20	20
Circuits		3	3	3	3	4	7	7	7
Indoor									
Unit Width	in (mm)	31.3 (795)	31.3 (795)	31.3 (795)	31.3 (795)	37.99 (965)	44.88 (1140)	44.88 (1140)	44.88 (1140)
Unit Height	in (mm)	11.61 (295)	11.61 (295)	11.61 (295)	11.61 (295)	12.56 (319)	14.57 (370)	14.57 (370)	14.57 (370)
Unit Depth	in (mm)	8.86 (225)	8.86 (225)	8.86 (225)	8.86 (225)	9.41 (239)	10.83 (275)	10.83 (275)	10.83 (275)
Net Weight	lbs (kg)	22.93 (10.4)	22.71 (10.3)	22.71 (10.3)	22.93 (10.4)	27.12 (12.3)	43.65 (19.8)	43.65 (19.8)	43.65 (19.8)
Number of Fan Speeds		4	4	4	4	4	4	4	4
Airflow (lowest to highest)	CFM	235/294/353/412	176/229/335/382	176/229/335/382	176/229/335/382	306/376/524/635	319/414/611/719	382/505/646/843	382/506/639/843
Sound Pressure (lowest to highest)	dB(A)	24/30/41/47	32/34/38/47	32/34/38/47	30/32/37/47	37/40/46/48	37/39/44/52	38/41/46/52	39/41/46/52
Air Throw Data	ft (m)	27.9 (8.5)	21.2 (7.1)	24.9 (7.6)	26.2 (8.0)	27.9 (8.5)	31.5 (9.6)	33.8 (10.3)	33.8 (10.3)
Moisture Removal	Pint/h (L/h)	0.048 (0.023)	0.67 (0.82)	0.015 (0.007)	0.046 (0.022)	0.091 (0.044)	0.108 (0.052)	0.154 (0.074)	0.240 (0.115)
Field Drain Pipe Size O.D.	in (mm)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)	0.625 (16)

COMPATIBILITY:

Indoor Unit	DHMAHBQ12XA1	DHMAHBQ06XA3	DHMAHBQ09XA3	DHMAHBQ12XA3	DHMAHBQ18XA3	DHMAHBQ24XA3	DHMAHBQ30XA3	DHMAHBQ36XA3
Outdoor Unit Single Zone*	38MARBQ12AA1	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AA3
Outdoor Unit Multi-Zone*		38MGRQ18B--3						
		38MGRQ24C--3						
		38MGRQ30D--3						
		38MGRQ36D--3						
		38MGRQ48E--3						

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



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Four fan speeds
- Sleep Mode
- ECO Mode
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel One-Way Cassette

Sizes: 06 / 09 / 12 / 18

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Flexible Installation

The one-way cassette is designed to be mounted between 16in. joists for a range of installation applications, including corners.

High Efficiency

Achieve up to 25.0 SEER2 and 12.4 HSPF2 with an indoor unit that's inherently energy efficient, no matter the mode.

Dual Capacity

A capability available through a dipswitch setting on each one-way cassette indoor unit of the 6K / 9K and 12K / 18K sizes.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional Wired
Remote Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0601AAA

24V interface for compatibility with conventional thermostat KSAIC0301230





SPECIFICATIONS:

40MCCAQ One-Way Cassette			
Heat Pump			
System			
Size		6/9*	12/18*
Indoor Model		40MCCAQ09XA3	40MCCAQ18XA3
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	3.0	3.0
Controls			
Wireless Remote Controller (° F / ° C Convertible)			Standard
Wired Remote Controller (° F / ° C Convertible)			Optional
Wi-Fi® for Phone App Control			Optional
Operating Range			
Cooling Indoor DB Min - Max	° F (° C)	60~90 (16~32)	60~90 (16~32)
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 Coil			
Face Area	Sq. Ft.	2.81	2.81
No. Rows		2	2
Fins per inch		20	20
Circuits		2	3
Indoor			
Unit Width	in (mm)	50.31 (1278)	50.31 (1278)
Unit Height	in (mm)	8.98 (228)	8.98 (228)
Unit Depth	in (mm)	13.19 (335)	13.19 (335)
Net Weight	lbs (kg)	43.87 (19.9)	43.87 (19.9)
Number of Fan Speeds		4	4
Airflow (lowest to highest)	CFM	235/259/294/341	247/282/312/353 - 12K 207/300/352/400 - 18K
Sound Pressure (lowest to highest)	dB(A)	35/37/38/40	37/40/42/43 - 12K 38/42/45/47 - 18K
Moisture Removal	Pint/h (L/h)	2.16 (1.02)	3.06 (1.45) - 12K 4.61 (2.18) - 18K

*Refer to the installation instructions for capacity setting
Performance may vary based on the compatible outdoor units. See respective pages for performance data.

COMPATIBILITY:

Indoor Unit	40MCCAQ09XA3	40MCCAQ09XA3	40MCCAQ18XA3	40MCCAQ18XA3
Outdoor Unit Single Zone	38MARBQ06AA3	38MARBQ09AA3	38MARBQ12AA3*	38MARBQ18AA3*
Outdoor Unit Multi-Zone	38MGRBQ18BA3			
	38MGHBQ24CA3			
	38MGHBQ30DA3			
	38MGRBQ36DA3			
	38MGHBQ36DA3			
	38MGRBQ48EA3			
	38MGHBQ48EA3			

*IDU must be set to the capacity size matching the ODU, refer to the installation instructions for more information.



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- Outside air intake
- Built-in condensate lift pump
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation, as low as 34 dB(A)
- Anti-corrosive fin coating
- Grille/ceiling panel 2" x 2" sizes 9 to 18 40MBCQ01XXX3
- Grille/ceiling panel 3" x 3" size 24 P/N 40MBCQ02XXX4

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel Cassette

Sizes: 09 / 12 / 18

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Built-in Condensate Lift Pump

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

Integrated Electrical Components

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

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional
Wired Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)

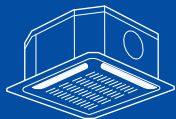
ACCESSORIES

Wi-Fi® Smartphone control kit KSAIF0401AAA

24V interface for compatibility with conventional thermostat KSAIC0301230

Grille is required; sold separately





SPECIFICATIONS:

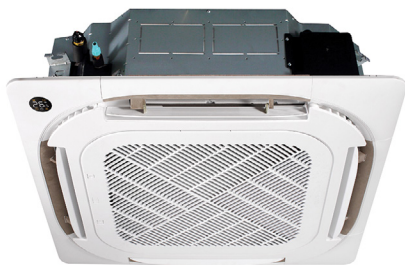
40MBCQ Cassette				
Heat Pump				
System				
Size		9	12	18
Indoor Model		40MBCQ09---3	40MBCQ12---3	40MBCQ18---3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit		
MCA	A	0.2	0.2	0.2
Controls				
Wireless Remote Controller (° F / ° C Convertible)		Standard		
Wired Remote Controller (° F / ° C Convertible)		Optional		
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)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)
Indoor				
Body Unit Width	in (mm)	22.44 (570)	22.44 (570)	22.44 (570)
Body Unit Height	in (mm)	10.24 (260)	10.24 (260)	10.24 (260)
Body Unit Depth	in (mm)	22.44 (570)	22.44 (570)	22.44 (570)
Body Net Weight	lbs (kg)	35.27 (16)	35.27 (16)	39.68 (18)
Panel Unit Width	in (mm)	25.47 (647)	25.47 (647)	25.47 (647)
Panel Unit Height	in (mm)	1.97 (50)	1.97 (50)	1.97 (50)
Panel Unit Depth	in (mm)	25.47 (647)	25.47 (647)	25.47 (647)
Panel Net Weight	lbs (kg)	5.51 (2.5)	5.51 (2.5)	5.51 (2.5)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	cfm	260/320/380	280/340/400	290/350/420
Sound Pressure (lowest to highest)	dB(A)	34/39/44	36/39/42	46/48/50
Air Throw Data	ft (m)	23 (7)	23 (7)	30 (9)
Moisture Removal	Pint/h (L/h)	1.58 (0.75)	2.88 (1.366)	4.26 (2.02)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBCQ09---3	40MBCQ12---3	40MBCQ18---3
Outdoor Unit Single Zone	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3
Outdoor Unit Multi-Zone	38MGRQ18B--3		
	38MGRQ24C--3		
	38MGRQ30D--3		
	38MGRQ36D--3		
	38MGRQ48E--3		

Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto, Turbo
- Louver control (fixed or swing)
- Outside air intake
- Built-in condensate lift pump
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel Cassette

Size: 24

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Easier Service & Installation

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

Seamless Connection

Optimized Wi-Fi® connectivity means fewer installation steps for faster, more seamless connections.

Enhanced Design

A new, ergonomic design and larger vents for improved airflow means greater comfort from an unobtrusive indoor unit.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional
Wired Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)



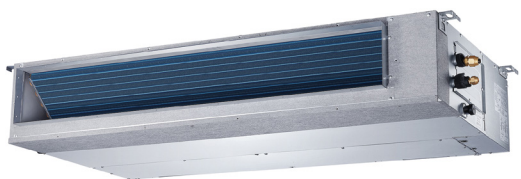
SPECIFICATIONS:

40MBCAQ Cassette		
Heat Pump		
System		
Size		24
Indoor Model		40MBCAQ24XA3
Electrical		
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit
MCA	A	1.0
Controls		
Wireless Remote Controller (° F / ° C Convertible)		Standard
Wired Remote Controller (° F / ° C Convertible)		Optional
Operating Range		
Cooling Indoor DB Min - Max	° F (° C)	60.8~90 (16~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)
Piping		
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (15.9)
Indoor		
Body Unit Width	in (mm)	32.68 (830)
Body Unit Height	in (mm)	8.07 (205)
Body Unit Depth	in (mm)	32.68 (830)
Body Net Weight	lbs (kg)	47.18 (21.4)
Panel Unit Width	in (mm)	37.40 (950)
Panel Unit Height	in (mm)	2.17 (55)
Panel Unit Depth	in (mm)	37.40 (950)
Panel Net Weight	lbs (kg)	11.02 (5)
Number of Fan Speeds		4
Airflow (lowest to highest)	cfm	547/635/706/764
Sound Pressure (lowest to highest)	dB(A)	42/44/47/49
Air Throw Data	ft (m)	14.7 (4.5)
Moisture Removal	Pint/h (L/h)	5.6 (2.6)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)

Performance may vary based on the Outdoor unit matched to. See compatible Outdoor Units pages for Performance Data

COMPATIBILITY:

Indoor Unit	40MBCAQ24XA3
Outdoor Unit Single Zone	38MARBQ24AA3
Outdoor Unit Multi-Zone	38MGRQ30D--3
	38MGRQ36D--3
	38MGRQ48E--3
	38MGHBQ30DA3
	38MGRBQ36DA3
	38MGHBQ36DA3
	38MGRBQ48EA3
	38MGHBQ48EA3



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical or horizontal installation
- Up to 0.64 in W.C.
- Rear or bottom return
- Outside air intake
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation, as low as 30 dB(A)
- Anti-corrosive fin coating
- External condensate lift pump shipped with the unit (sizes 09-18)
- Built-in condensate lift pump (size 24)

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel Ducted

Sizes: 09 / 12 / 18 / 24

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Vertical or Horizontal Installation

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

Flexible Air Intake

Air inlet can be installed either at the back or the bottom of the unit due to the small plate size on the flange, allowing for flexible installation to meet the needs of each job.

CONTROLS

Wireless Remote Controller included with indoor unit

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



Wireless
Remote
Controller



Wired Controller
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0401AAA

24V interface for compatibility with conventional thermostat KSAIC0301230





SPECIFICATIONS:

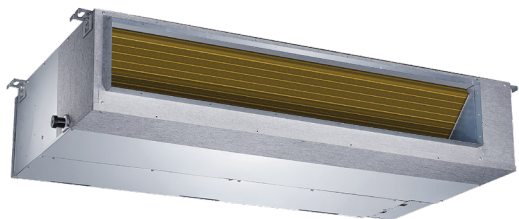
40MBDQ Ducted					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Electrical					
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor Unit Powered From Outdoor Unit			
MCA	A	1.11	1.11	1.20	1.20
Controls					
Wireless Remote Controller (° F / ° C Convertible)		Standard			
Wired Remote Controller (° F / ° C Convertible)		Standard			
Operating Range					
Cooling Indoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping					
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor					
Unit Width	in (mm)	27.56 (700)	27.56 (700)	34.65 (880)	43.31 (1100)
Unit Height	in (mm)	7.87 (200)	7.87 (200)	8.27 (210)	9.8 (249)
Unit Depth	in (mm)	19.92 (506)	19.92 (506)	26.54 (674)	30.47 (774)
Net Weight	lbs (kg)	43.56 (19.8)	43.56 (19.8)	54 (24.5)	86.86 (39.4)
Number of Fan Speeds		3	3	3	3
Airflow (lowest to highest)	cfm	147/211/264	176/282/353	300/400/480	440/700/780
Sound Pressure (lowest to highest)	dB(A)	30/34/38	35/37/39	35/37/39	35.5/40/44
Max Static Pressure	in W.C.	0.20	0.20	0.40	0.64
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)	1 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBDQ09---3	40MBDQ12---3	40MBDQ18---3	40MBDQ24---3
Outdoor Unit Single Zone	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3
Outdoor Unit Multi-Zone	38MGRQ18B--3			
	38MGRQ24C--3			
	38MGRQ30D--3			
	38MGRQ36D--3			
	38MGRQ48E--3			

For Sizes 36 and 48, refer to the Light Commercial Section
Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems



FEATURES

- Vertical or horizontal installation
- External static pressures of up to 0.80 in W.C.
- Constant air volume control
- Modes: Cool, Heat, Dry, Fan, Auto
- Rear or bottom return
- Outside air intake
- Built-in condensate lift pump
- *Follow Me* (senses temperature at handheld remote)
- Quiet indoor operation, as low as 35 dB(A)

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel High Static Slim Ducted

Sizes: 09 / 12 / 18 / 24

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Discrete Design

A slim duct design, recessed installation and exterior connection via flexible refrigerant tubing allow this unit to integrate seamlessly into existing architecture and new construction.

Improved Indoor Air Quality

Each unit comes equipped with a washable, reusable filter for simple, cost-effective servicing. And with the ability to accommodate filters rated up to MERV 13, customers can benefit from the gold standard in indoor air quality technology without sacrificing performance or efficiency.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional
Wired Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0401AAA

24V interface kit 230V KSAIC0301230





SPECIFICATIONS:

40MBDAQ High Static Slim Ducted					
Heat Pump					
System					
Size		9	12	18	24
Indoor Model		40MBDAQ09XH3	40MBDAQ12XH3	40MBDAQ18XH3	40MBDAQ24XH3
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	3.0	3.0	3.0	3.0
Controls					
Wireless Remote Controller (° F / ° C Convertible)					Standard
Wired Remote Controller (° F / ° C Convertible)					Standard
24V Interface for Third-Party Thermostat Control					Optional
Wi-Fi® Control for Phone App Control					Optional
Operating Range					
Cooling Indoor DB Min - Max	° F (° C)	62~90 (16~32)	62~90 (16~32)	62~90 (16~32)	62~90 (16~32)
Heating Indoor DB Min - Max	° F (° C)	59~84 (15~29)	59~84 (15~29)	59~84 (15~29)	59~84 (15~29)
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)	34.65 (880)	43.31 (1100)	43.31 (1100)	43.31 (1100)
Unit Height	in (mm)	8.27 (210)	9.80 (249)	9.80 (249)	9.80 (249)
Unit Depth	in (mm)	26.54 (674)	30.47 (774)	30.47 (774)	30.47 (774)
Net Weight	lbs (kg)	55.34 (25.1)	83.11 (37.7)	88.18 (40)	87.52 (39.7)
Number of Fan Speeds		3	3	3	3
Airflow (lowest to highest)	cfm	176/235/300	176/294/400	619/812/949	642/861/1045
Sound Pressure (lowest to highest)	dB(A)	30/32/38	36/37/39	29/33/36	33/36/38
Max Static Pressure	in W.C.	0.64	0.64	0.68	0.80
Field Drain Pipe Size O.D.	in (mm)	2.64 (1.25)	1.0 (25.4)	1.0 (25.4)	1.0 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBDAQ09XH3	40MBDAQ12XH3	40MBDAQ18XH3	40MBDAQ24XH3
Outdoor Unit Single Zone	38MARBQ09AA3	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3
Outdoor Unit Multi-Zone	38MGHBQ24CA3			
		38MGHBQ30DA3		
		38MGRBQ36DA3		
		38MGHBQ36DA3		
		38MGRBQ48EA3		
		38MGHBQ48EA3		

For Sizes 36, 48 and 58, refer to the Light Commercial Section
Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- 4-way installation (Upflow, Downflow, Right, Left)
- New aluminum coil
- Automatic Airflow Technology with static pressure up to 0.8 in W.C.
- Less than 2% air leakage
- Easy maintenance
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel Air Handler

Sizes: 18 / 24 / 30 / 36

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Unmatched Maintenance Simplicity

With a top panel and an indoor coil that can be easily removed, get faster access to the core parts of the unit needed for service. You only need to remove two screws!

Less Complex Electronics

Having only two integrated printed circuit boards means the electronic components are less complicated. One is the main control board, and the other is the function board for the 24V interface, dip switch, wired controller and LED display.

Easier Access to Electric Heater

This single-piece construction enables easy installation and maintenance.

Modular Slide Design

The indoor coil can be easily pulled out through the slide track for quick and easy maintenance.

CONTROLS

Wireless Remote Controller included with indoor unit
24V interface for third-party thermostat compatibility built-in

WARRANTY

Limited Warranty*

10-year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years.

*For residential applications. See warranty for full details.



SPECIFICATIONS:

40MBAB Air Handler					
Heat Pump					
System					
Size		18	24	30	36
Indoor Model		40MBABQ18XB3	40MBABQ24XB3	40MBABQ30XB3	40MBABQ36XB3
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.	3.0	4.0	4.5	5.0
Controls					
Wireless Remote Controller (° F / ° C Convertible)		Standard			
Wired Remote Controller (° F / ° C Convertible)		Standard			
Operating Range					
Cooling Indoor DB Min - Max	° F (° C)	62~90 (17~32)	60~90 (16~32)	60~90 (16~32)	60~90 (16~32)
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)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor					
Unit Width	in (mm)	17.5 (445)	17.5 (445)	21 (534)	21 (534)
Unit Height	in (mm)	45 (1143)	45 (1143)	49 (1245)	49 (1245)
Unit Depth	in (mm)	21 (534)	21 (534)	21 (534)	21 (534)
Net Weight	lbs (kg)	106.7 (48.4)	106.7 (48.4)	129.63 (58.8)	129.63 (58.8)
Number of Fan Speeds		4	4	4	4
Airflow (lowest to highest)	CFM	488/529/576/618	629/694/759/824	712/806/894/1088	865/971/1082/1188
Sound Pressure - Cooling (lowest to highest)	dB(A)	35.2/35.7/36.4/37.2	38.2/39.9/41.0/42.5	35.8/38.1/40.4/42.7	41.4/44.0/48.5
Sound Pressure - Heating (lowest to highest)	dB(A)	28.9/30.5/33.6/34.2	32.2/35.8/39.5/40.5	28.1/33.1/39.3/42.4	33.9/39.0/45.1
Max Static Pressure	in W.C.	0.8	0.8	0.8	0.8
Field Drain Pipe Size O.D.	in (mm)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)

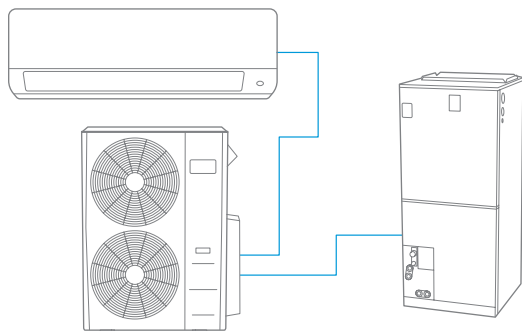
*Performance may vary based on the compatible outdoor units. See respective pages for performance data.

COMPATIBILITY:

Indoor Unit	40MBABQ18XB3	40MBABQ24XB3	40MBABQ30XB3	40MBABQ36XB3
Outdoor Unit Single Zone	38MARBQ18AA3	38MARBQ24AA3	38MARBQ30AA3	38MARBQ36AB3
Outdoor Unit Multi-Zone	38MGHBQ24CA3			
	38MGHBQ30DA3	38MGHBQ30DA3		
	38MGRBQ36DA3	38MGRBQ36DA3		
	38MGHBQ36DA3	38MGHBQ36DA3		
	38MGRBQ48EA3	38MGRBQ48EA3	38MGRBQ48EA3	38MGRBQ48EA3
	38MGHBQ48EA3	38MGHBQ48EA3	38MGHBQ48EA3	38MGHBQ48EA3

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

Multi-Zone configuration:





Floor Console Size 12
40MBFAQ



Console Sizes 18 & 24
40MBFQ

FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Louver control (fixed or swing)
- Three fan speeds
- Air discharge from top and bottom (size 12)
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation, as low as 31.3 dB(A)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MARB Outdoor Unit Single Zone (p 16)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Excel Console

Sizes: 12 / 18 / 24

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

2-Way Optional Air Outlet

Both up and down air-outlet or up air-outlet only. (Size 12 only.)

Outside Air Intake

Outside air is brought into the room via a connection pipe, which keeps the indoor air fresher and cleaner. (Sizes 18 to 24 only.)

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0601AAA (7-Day Programmable) Size 12

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



Wireless
Remote
Controller



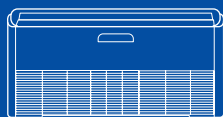
Optional
Wired Controller
KSACN0601AAA or
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0401AAA (sizes 18-24)

24V interface for compatibility with conventional thermostat KSAIC0301230





SPECIFICATIONS:

40MBFAQ & 40MBFQ Console				
Heat Pump				
System				
Size		12	18	24
Indoor Model		40MBFAQ12---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
Controls				
Wireless Remote Controller (° F / ° C Convertible)		Standard		
Wired Remote Controller (° F / ° C Convertible)		Optional		
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	63~90 (17~32)	62~90 (17~32)	62~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Indoor				
Unit Width	in (mm)	27.56 (700)	42.05 (1,068)	42.05 (1,068)
Unit Height	in (mm)	23.62 (600)	26.57 (675)	26.57 (675)
Unit Depth	in (mm)	8.27 (210)	9.25 (235)	9.25 (235)
Net Weight	lbs (kg)	32.41 (14.7)	55.12 (25)	58.42 (26.5)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	cfm	220/250/280	420/485/550	600/710/760
Sound Pressure (lowest to highest)	dB(A)	34/41/45	39/44/47	46/50/52
Air Throw Data	ft (m)	23 (7)	26 (8)	26 (8)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBFAQ12---3	40MBFQ18---3	40MBFQ24---3
Outdoor Unit Single Zone	38MARBQ12AA3	38MARBQ18AA3	38MARBQ24AA3
Outdoor Unit Multi-Zone	38MGRQ18B--3		
	38MGRQ24C--3		
		38MGRQ30D--3	
		38MGRQ36D--3	
		38MGRQ48E--3	

Backward compatible with 38MAQ Single Zone and 38MGQ Multi-Zone Systems



FEATURES

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

COMPATIBLE WITH:

- 40MHHAC High Wall Cooling only (p 40)
- 40MHHAQ High Wall Heat Pump (p 40)

Essence Cooling Only & Heat Pump

Cooling Only — 38MHRDC

Sizes: 09 / 12 / 18 / 24

Heat Pump — 38MHRCQ

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

Up to 21.7 SEER2

Up to 9.4 HSPF2

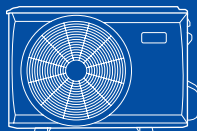
KEY FEATURES

Easy Maintenance

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

Small Physical Size

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



ESSENCE SERIES

38MHRDC & 38MHRCQ OUTDOOR UNIT

SPECIFICATIONS:

38MHRCQ Outdoor Unit									
Heat Pump									
System									
Size		09	12	09	12	18	24	30	36
Outdoor Model		38MHRCQ09AA1	38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3	38MHRCQ30AA3	38MHRCQ36AA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	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.	20	18.5	12	15	15	19	25	28
MOCP - Fuse Rating	A.	30	25	15	15	20	30	30	35
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)	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)	0~86 (-17~30)	0~86 (-17~30)	0~86 (-17~30)
Piping									
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	82 (25)	98.4 (30)	164 (50)	164 (50)	213 (65)
Piping Lift*	ft (m)	32 (10)	32 (10)	32 (10)	32 (10)	65.6 (20)	82 (25)	82 (25)	98.4 (30)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (12.7)	1/2 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)	5/8 (15.9)	5/8 (15.9)
Refrigerant									
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.59 (0.72)	1.59 (0.72)	1.59 (0.72)	2.98 (1.35)	3.92 (1.78)	1.79 (0.81)	2.98 (1.35)	3.92 (1.78)
Compressor									
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Outdoor									
Unit Width	in (mm)	30.12 (765)	30.12 (765)	30.12 (765)	30.12 (765)	31.69 (805)	35.04 (890)	37.24 (946)	37.24 (946)
Unit Height	in (mm)	21.85 (555)	21.85 (555)	21.85 (555)	21.85 (555)	21.81 (554)	26.50 (673)	31.89 (810)	31.89 (810)
Unit Depth	in (mm)	11.93 (303)	11.93 (303)	11.93 (303)	11.93 (303)	12.99 (330)	13.46 (342)	16.14 (410)	16.14 (410)
Net Weight	lbs (kg)	57.76 (26.2)	62.17 (28.2)	55.11 (25.0)	59.30 (26.9)	73.85 (33.5)	97.88 (44.4)	142.86 (64.8)	150.13 (68.1)
Airflow	CFM	1,294	1,235	1,294	1,235	1,235	1,765	2,235	2,235
Sound Pressure	dB(A)	55	54	55	56	55	60	63	65

*Condensing unit above or below indoor unit.

COMPATIBILITY:

Indoor Unit		Outdoor Unit							
		38MHRCQ09AA1	38MHRCQ12AA1	38MHRCQ09AA3	38MHRCQ12AA3	38MHRCQ18AA3	38MHRCQ24AA3	38MHRCQ30AA3	38MHRCQ36AA3
High Wall	40MHHAQ09XA1	•							
	40MHHAQ12XA1		•						
	40MHHAQ09XA3			•					
	40MHHAQ12XA3				•				
	40MHHAQ18XA3					•			
	40MHHAQ24XA3						•		
	40MHHAQ30XA3							•	
	40MHHAQ36XA3								•

Backward compatible with 38MHRBQ Single Zone Systems

ESSENCE SERIES

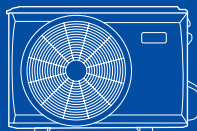
38MHRDC & 38MHRCQ OUTDOOR UNIT

PERFORMANCE:

40MHHAQ High Wall									
Heat Pump									
Indoor Unit		40MHHAQ09XA1	40MHHAQ12XA1	40MHHAQ09XA3	40MHHAQ12XA3	40MHHAQ18XA3	40MHHAQ24XA3	40MHHAQ30XA3	40MHHAQ36XA3
ENERGY STAR®		NO	NO	NO	NO	NO	NO	NO	NO
Cooling System Tons		0.75	1.0	0.75	1.0	1.5	2.0	2.5	3.0
Cooling Rated Capacity	Btu/h	9,000	12,000	9,000	12,000	18,000	24,000	30,000	36,000
Cooling Cap. Range Min - Max		Btu/h 2,650~10,300	3,800~12,100	2,900~10,500	3,800~13,350	3,900~20,000	6,200~24,600	8,200~30,670	8,300~37,500
SEER2		21.5	20.8	21.7	21.4	19.5	18.5	21.0	18.0
EER2		12.5	10.3	12.6	10.8	11.0	9.5	12.2	9.5
Heating Rated Capacity (47° F)	Btu/h	10,000	12,000	10,000	12,000	18,800	24,000	30,000	36,000
Heating Rated Capacity (17° F)	Btu/h	5,800	7,000	5,800	7,000	11,400	16,300	20,000	20,000
Heating Maximum Capacity (17° F)	Btu/h	7,800	9,000	7,500	9,000	12,500	14,800	21,100	25,000
Heating Maximum Capacity (5° F)	Btu/h	7,500	6,272	7,300	8,000	11,700	15,400	17,800	20,000
Heating Cap. Range Min - Max		Btu/h 2,700~10,500	2,730~12,500	2,400~10,500	2,730~13,900	6,300~19,400	6,800~26,800	11,800~30,800	10,900~37,360
HSPF2		9.1	8.7	9.4	9.2	8.7	8.6	8.7	7.8
COP (47° F)	W/W	3.26	3.05	3.24	3.38	3.05	2.99	2.75	2.78
COP (17° F)	W/W	2.50	2.50	2.50	2.50	2.52	2.30	2.39	2.30
COP (5° F)	W/W	2.15	1.68	2.20	1.80	2.05	1.76	1.80	1.76

PERFORMANCE:

40MHHAC High Wall						
Cooling Only						
Indoor Unit		40MHHAC09XA3	40MHHAC12XA1	40MHHAC12XA3	40MHHAC18XA3	40MHHAC24XA3
Outdoor Model		38MHRDC09AA3	38MHRDC12AA1	38MHRDC12AA3	38MHRDC18AA3	38MHRDC24AA3
Cooling Rated Capacity	Btu/h	9,000	12,000	12,000	18,000	24,000
Cooling System Tons		0.75	1.0	1.0	1.5	2.0
Cooling Cap. Range Min - Max	Btu/h	2,800~11,000	3,300~12,500	3,030~12,500	4,200~18,300	4,700~23,600
SEER2		20.5	21.0	21.0	21.0	20.0
EER2		12.5	11.9	12.0	11.3	10.2



ESSENCE SERIES

38MRDC & 38MRQC OUTDOOR UNIT

SPECIFICATIONS:

38MRDC Outdoor Unit						
Cooling Only						
System						
Size		9	12	12	18	24
Outdoor Model		38MRDC09AA3	38MRDC12AA1	38MRDC12AA3	38MRDC18AA3	38MRDC24AA3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	115-1-60	208/230-1-60	208/230-1-60	208/230-1-60
MCA	A.	11	18	11	16	16
Recommended Fuse Size	A.	15	20	15	20	20
MOCP - Fuse Rating	A.	15	30	12	20	20
Max-Min Voltage*	V	253-187	127-104	253-187	253-187	253-187
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)
Piping						
Total Piping Length	ft (m)	82 (25)	82 (25)	82 (25)	98 (30)	98 (30)
Piping Lift**	ft (m)	32 (10)	32 (10)	32 (10)	65 (20)	82 (25)
Pipe Connection Size - Liquid	in (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (16)
Refrigerant						
Type		R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	1.26 (0.57)	1.46 (0.66)	1.46 (0.66)	1.98 (0.9)	2.36 (1.07)
Metering Device		Capillary	Capillary	Capillary	Capillary	Capillary
Outdoor Coil						
Face Area	Sq. Ft.	3.73	3.75	3.75	4.15	4.78
No. Rows		1	1	1	2	2
Fins per inch		21	21	21	21	21
Circuits		2	2	2	2	4
Compressor						
Compressor Type		Rotary Inverter				
Model		KSK103D33UEZ3	KSK103D33UEZ3	KSK103D33UEZ3	KSN140D58UFZ	KSN140D58UFZ
Oil Type		VG74	VG74	VG74	VG74	VG74
Oil Charge	Fl. Oz.	10.48	10.48	10.48	14.88	14.88
Rated Input Current of the Power Conversion Equipment	A.	6.7	14.0	7.0	11.5	15.5
Outdoor						
Unit Width	in (mm)	28.35 (720)	28.35 (720)	28.35 (720)	30.12 (765)	31.69 (805)
Unit Height	in (mm)	19.49 (495)	19.49 (495)	19.49 (495)	21.85 (555)	21.81 (554)
Unit Depth	in (mm)	10.63 (270)	10.63 (270)	10.63 (270)	11.93 (303)	12.99 (330)
Net Weight	lbs (kg)	54.45 (24.7)	54.45 (24.7)	54.45 (24.7)	59.30 (26.9)	73.85 (33.5)
Airflow	CFM	1,059	1,059	1,059	1,235	1,353
Sound Pressure	dB(A)	54.0	54.0	54.5	55.5	56.5

* Permissible limits of the voltage range at which the unit will operate satisfactorily

** Condensing unit above or below indoor unit

COMPATIBILITY:

Indoor Unit		Outdoor Unit				
		38MRDC09AA3	38MRDC12AA1	38MRDC12AA3	38MRDC18AA3	38MRDC24AA3
High Wall	40MHHAC09XA3	•				
	40MHHAC12XA1		•			
	40MHHAC12XA3			•		
	40MHHAC18XA3				•	
	40MHHAC18XA3					•



FEATURES

- Available in 115V and 208/230V
- Modes: Cool, Heat, Dry, Fan, Auto
- Turbo Mode
- Up-Down Right-Left louver control (fixed or swing)
- Four fan speeds
- ECO Mode
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MHRDC & 38MHRCQ Outdoor Unit Single Zone (p 36)
- 38MGRB & 38MGHB Outdoor Unit Multi-Zone (p 46)

Essence High Wall

Cooling Only - 40MHHAC

Sizes: 09 / 12 / 18 / 24

Heat Pump - 40MHHAQ

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

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.

Eco Mode

An intelligent eight-hour night cycle program provides huge energy savings—up to 60%—while maintaining a comfortable sleeping environment.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0901AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional Wired
Remote Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0901AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0601AAA

24V interface for compatibility with conventional thermostat KSAIC0301230





SPECIFICATIONS:

40MHHAC High Wall						
Cooling Only						
System						
Size		09	12	12	18	24
Indoor Model		40MHHAC09XA3	40MHHAC12XA1	40MHHAC12XA3	40MHHAC18XA3	40MHHAC24XA3
Electrical						
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	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	0.20	0.10	0.27	0.40	0.40
Controls						
Wireless Remote Controller (° F / ° C Convertible)		Standard				
Wired Remote Controller (° F / ° C Convertible)		Optional				
24V Interface for Third-Party Thermostat Control		Optional	N/A	Optional	Optional	Optional
Wi-Fi® Control for Phone App Control		Optional				
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)
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)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)
Indoor Coil						
Face Area	Sq. Ft.	1.66	2.05	2.05	2.71	2.67
No. Rows		2	2	2	2	2
Fins per inch		20	20	20	20	20
Circuits		2	2	2	4	4
Indoor						
Unit Width	in (mm)	28.7 (729)	31.57 (802)	31.57 (802)	38.23 (971)	42.60 (1082)
Unit Height	in (mm)	11.5 (292)	11.61 (295)	11.61 (295)	12.64 (321)	13.27 (337)
Unit Depth	in (mm)	7.87 (200)	7.87 (200)	7.87 (200)	8.98 (228)	9.21 (234)
Net Weight	lbs (kg)	17.37 (7.88)	19.18 (8.7)	18.96 (8.6)	24.69 (11.2)	29.98 (13.6)
Number of Fan Speeds		4	4	4	4	4
Airflow (lowest to highest)	CFM	147/206/246/312	212/253/333/347	194/232/324/347	306/353/471/500	400/471/588/706
Sound Pressure (lowest to highest)	dB(A)	31/32/36	32/36/41	31/36/41	31/38/44	33/41/48
Air Throw Data	ft (m)	22.6 (6.9)	24.3 (7.4)	24.3 (7.4)	26.2 (8)	27.2 (8.3)
Moisture Removal	Pint/h (L/h)	2.0 (0.97)	2.58 (1.22)	2.6 (1.23)	4.5 (2.14)	4.9 (2.34)
Field Drain Pipe Size O.D.	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)

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

SPECIFICATIONS:

40MHHAQ High Wall									
Heat Pump									
System									
Size		09	12	09	12	18	24	30	36
Indoor Model		40MHHAQ09XA1	40MHHAQ12XA1	40MHHAQ09XA3	40MHHAQ12XA3	40MHHAQ18XA3	40MHHAQ24XA3	40MHHAQ30XA3	40MHHAQ36XA3
Electrical									
Voltage-Phase-Cycle	V-Ph-Hz	115-1-60	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	0.31	0.31	0.19	0.19	0.50	0.63	0.63	0.63
Controls									
Wireless Remote Controller (° F / ° C Convertible)		Standard							
Wired Remote Controller (° F / ° C Convertible)		Optional							
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)	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)	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)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	3/8 (9.52)	1/2 (12.7)	3/8 (9.52)	1/2 (12.7)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)
Indoor									
Unit Width	in (mm)	28.7 (729)	31.57 (802)	28.7 (729)	31.57 (802)	38.23 (971)	42.60 (1082)	49.57 (1259)	49.57 (1259)
Unit Height	in (mm)	11.5 (292)	11.61 (295)	11.5 (292)	11.61 (295)	12.64 (321)	13.27 (337)	14.25 (362)	14.25 (362)
Unit Depth	in (mm)	7.87 (200)	7.87 (200)	7.87 (200)	7.87 (200)	8.98 (228)	9.21 (234)	11.14 (283)	11.14 (283)
Net Weight	lbs (kg)	17.64 (8.0)	18.52 (8.4)	17.64 (8.0)	18.74 (8.5)	24.47 (11.1)	29.98 (13.6)	42.99 (19.5)	42.77 (19.4)
Number of Fan Speeds		4	4	4	4	4	4	4	4
Airflow (lowest to highest)	cfm	137/170/ 239/312	176/241/ 300/341	141/176/ 246/312	156/197/ 291/347	271/329/ 459/550	330/402/ 546/728	380/536/ 702/741	330/447/ 753/795
Sound Pressure (lowest to highest)	dB(A)	28/32/36/43	30/36/40/44	27/31/36/43	30/35/40/45	31/38/44/49	32/38/44/51	34/40/44/50	36/38/43/51
Air Throw Data	ft (m)	22.6 (6.9)	24.3 (7.4)	22.6 (6.9)	24.3 (7.4)	26.2 (8.0)	27.2 (8.3)	29.8 (9.1)	31.2 (9.5)
Moisture Removal	Pint/h (L/h)	1.5 (0.69)	2.9 (1.39)	1.5 (0.69)	3.0 (1.47)	3.6 (1.72)	5.3 (2.54)	7.9 (3.73)	10.6 (5.03)
Field Drain Pipe Size O.D.	in (mm)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)	5/8 (16)

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



COMPATIBILITY:

Cooling Only					
Indoor Unit	40MHHAC09XA3	40MHHAC12XA1	40MHHAC12XA3	40MHHAC18XA3	40MHHAC24XA3
Outdoor Unit Single Zone	38MHRDC09AA3				
		38MHRDC12AA1			
			38MHRDC12AA3		
				38MHRDC18AA3	
					38MHRDC24AA3

COMPATIBILITY:

Heat Pump								
Indoor Unit	40MHHAQ09XA1	40MHHAQ12XA1	40MHHAQ09XA3	40MHHAQ12XA3	40MHHAQ18XA3	40MHHAQ24XA3	40MHHAQ30XA3	40MHHAQ36XA3
Outdoor Unit Single Zone	38MGRQ18B--3							
		38MHRCQ12AA1						
			38MHRCQ09AA3					
				38MHRCQ12AA3				
					38MHRCQ18AA3			
						38MHRCQ24AA3		
							38MHRCQ30AA3	
								38MHRCQ36AA3

Backward compatible with 38MHRQ Single Zone.

MULTI-ZONE RESIDENTIAL



Multi-Zone Ductless



38MGRB & 38MGHB Outdoor Unit

Up to 26.0 SEER2

Up to 10.5 HSPF2

Sizes: 18 / 24HH / 30HH /

36 / 36HH / 48 / 48HH



FEATURES

- Cost competitive
- Built-in basepan heater
- Auto-restart function
- Quiet outdoor operation, as low as 59 dB(A)
- Anti-corrosive fin coating
- Total zones range from 2 to 5 indoor heads
- Piping length 131-328 ft. (40-100 m)
- Cooling operating range: -22° - 122° F (-30° - 50° C)
- Heating operating range: -22° - 75° F (-30° - 24° C)

COMPATIBLE WITH:

- | | |
|-----------------------------------|--------|
| • DHMPHB High Wall | (p 14) |
| • DHMAHB High Wall | (p 20) |
| • 40MCCAQ One-Way Cassette | (p 22) |
| • 40MBCQ Cassette | (p 24) |
| • 40MBCAQ Cassette | (p 26) |
| • 40MBDQ Ducted | (p 28) |
| • 40MBDAQ High Static Slim Ducted | (p 30) |
| • 40MBAB Air Handler | (p 32) |
| • 40MBFQ Console | (p 34) |
| • 40MBFAQ Floor Console | (p 34) |
| • 40MHHAC & 40MHHAQ High Wall | (p 40) |

High Performance Outdoor Unit for Customizable Indoor Comfort

Heat Pump with Basepan Heater

Inverter Compressor

Sizes: 18 / 24HH / 30HH / 36 / 36HH / 48 / 48HH

Up to 26.0 SEER2

Up to 10.5 HSPF2

Select systems are ENERGY STAR® certified based on indoor unit pairings



KEY FEATURES

Multi-Zone Compatibility

Mix and match up to five indoor units to this outdoor unit to bring customizable comfort to multiple rooms or your whole home.

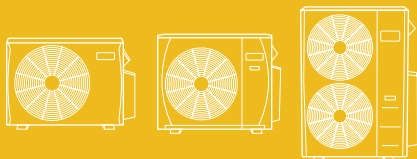
Improved Performance

With new high-heat models, plus standard heat models, experience high performance in cold climates and temps.

Quiet Operation

A sleek, unobtrusive outdoor unit that's ultra-quiet means less noise pollution and more peaceful outdoor spaces.

Note: Multi-Zone units cannot heat and cool simultaneously.



EXCEL SERIES

38MGRB & 38MGHB OUTDOOR UNIT

SPECIFICATIONS:

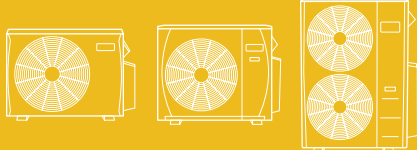
38MGRB & 38MGHB Outdoor Unit								
Heat Pump								
System								
Size		18R	24HH	30HH	36R	36HH	48R	48HH
Outdoor Model		38MGRBQ18BA3	38MGHBQ24CA3	38MGHBQ30DA3	38MGRBQ36DA3	38MGHBQ36DA3	38MGRBQ48EA3	38MGHBQ48EA3
Max Number of Zones		2	3	4	4	4	5	5
Operating Range								
Cooling Outdoor DB Min - Max	° F (° C)	5~122 (-15~50)	5~122 (-15~50)	5~122 (-15~50)	5~122 (-15~50)	5~122 (-15~50)	5~122 (-15~50)	5~122 (-15~50)
Heating Outdoor DB Min - Max	° F (° C)	13~75 (-30~24)	-22~75 (-30~24)	-22~75 (-30~24)	13~75 (-30~24)	-22~75 (-30~24)	13~75 (-30~24)	-22~75 (-30~24)
Piping								
Total Piping Length	ft (m)	131 (40)	197 (60)	262 (80)	262 (80)	262 (80)	328 (100)	328 (100)
Piping to furthest FCU	ft (m)	82 (25)	98 (30)	115 (35)	115 (35)	115 (35)	115 (35)	115 (35)
Drop (OD above ID)	ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	65 (20)	65 (20)	65 (20)
Lift (OD below ID)	ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	65 (20)	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*4 (6.35*4)	1/4*5 (6.35*5)	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 *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)	1/2 *2+ 3/8*3 (12.7*2+9.52*3)
Refrigerant								
Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	4.08 (1.85)	5.73 (2.6)	8.38 (3.8)	8.38 (3.8)	10.14 (4.6)	10.14 (4.6)	10.14 (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	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit						
MCA	A.	18	24.5	25	25	40	40	40
Recommended Fuse Size	A.	20	25	30	30	45	45	45
MOCP - Fuse Rating	A.	25	30	40	40	60	60	60
Compressor								
Type		Rotary Inverter						
Outdoor								
Unit Width	in (mm)	35.04 (890)	37.24 (946)	37.24 (946)	37.24 (946)	37.48 (952)	37.48 (952)	37.48 (952)
Unit Height	in (mm)	26.50 (673)	31.89 (810)	31.89 (810)	31.89 (810)	52.48 (1333)	52.48 (1333)	52.48 (1333)
Unit Depth	in (mm)	13.46 (342)	16.14 (410)	16.14 (410)	16.14 (410)	16.34 (415)	16.34 (415)	16.34 (415)
Net Weight	lbs (kg)	100.31 (45.5)	139.77 (63.4)	169.09 (76.7)	169.09 (76.7)	223.10 (101.2)	225.50 (102.3)	238.32 (108.1)
Airflow	CFM	1,765	2,129	2,147	2,147	4,500	4,500	4,500
Sound Pressure	dB(A)	59	61	63	63	64	64	65

PERFORMANCE:

Non-Ducted								
Size		18R	24HH	30HH	36R	36HH	48R	48HH
Outdoor Model		38MGRBQ18BA3	38MGHBQ24CA3	38MGHBQ30DA3	38MGRBQ36DA3	38MGHBQ36DA3	38MGRBQ48EA3	38MGHBQ48EA3
Max Number of Zones		2	3	4	4	4	5	5
ENERGY STAR®		YES	YES	YES	NO	YES	YES	NO
Cooling System Tons		1.5	2.0	2.5	3.0	3.0	4.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	36,000	48,000	48,000
Cooling Cap. Range Min - Max	Btu/h	5,650~22,000	9,573~32,100	9,429~40,800	8,209~40,555	17,900~42,000	19,000~50,000	19,300~51,000
SEER2		22.9	24.6	26.0	23.9	22.2	23.4	21.8
EER2		13.9	13.4	13.0	11.7	13.6	12.5	11.7
Heating Rated Capacity (47° F)	Btu/h	19,000	25,000	30,000	37,000	36,500	48,000	49,000
Heating Maximum Capacity (5° F)	Btu/h	12,400	23,000	29,400	23,900	36,000	36,000	48,000
Heating Cap. Range Min - Max	Btu/h	5,050~24,400	8,439~33,930	8,118~41,400	8,008~44,632	12,500~49,000	12,500~52,000	11,500~58,000
HSPF2		10.5	10.0	9.8	9.5	10.3	8.7	9.8
COP (47° F)	W/W	3.92	4.10	3.81	3.61	3.85	3.60	3.59
COP (5° F) - Maximum	W/W	1.75	1.75	1.90	1.75	1.75	1.75	2.00

PERFORMANCE:

Ducted								
Size		18R	24HH	30HH	36R	36HH	48R	48HH
Outdoor Model		38MGRBQ18BA3	38MGHBQ24CA3	38MGHBQ30DA3	38MGRBQ36DA3	38MGHBQ36DA3	38MGRBQ48EA3	38MGHBQ48EA3
Max Number of Zones		2	3	4	4	4	5	5
ENERGY STAR®		NO	YES	NO	NO	NO	NO	NO
Cooling System Tons		1.5	2.0	2.5	3.0	3.0	4.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	36,000	48,000	48,000
Cooling Cap. Range Min - Max	Btu/h	3,850~22,400	6,193~30,697	8,124~38,500	8,789~40,288	17,400~44,000	19,400~51,000	18,500~51,000
SEER2		19.0	21.3	20.0	20.0	19.0	20.5	20.9
EER2		12.0	12.5	12.0	11.0	11.7	10.8	11.7
Heating Rated Capacity (47° F)	Btu/h	19,000	24,000	30,000	37,000	37,000	50,000	50,000
Heating Maximum Capacity (5° F)	Btu/h	13,000	21,500	28,600	24,000	36,000	36,000	48,000
Heating Cap. Range Min - Max	Btu/h	4,350~25,800	7,394~33,700	6,652~43,200	6,900~46,624	13,300~47,000	15,500~56,000	12,000~59,000
HSPF2		9.8	9.7	9.2	9.2	10.0	9.7	8.9
COP (47° F)	W/W	3.80	3.81	3.81	3.60	3.74	3.57	3.86
COP (5° F) - Maximum	W/W	1.75	1.95	1.85	1.68	1.80	1.80	1.85



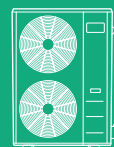
EXCEL SERIES

38MGRB & 38MGHB OUTDOOR UNIT

PERFORMANCE:

Mixed Ducted and Non-Ducted								
Size		18R	24HH	30HH	36R	36HH	48R	48HH
Outdoor Model		38MGRBQ18BA3	38MGHBQ24CA3	38MGHBQ30DA3	38MGRBQ36DA3	38MGHBQ36DA3	38MGRBQ48EA3	38MGHBQ48EA3
Max Number of Zones		2	3	4	4	4	5	5
ENERGY STAR®		YES	YES	NO	NO	YES	NO	NO
Cooling System Tons		1.5	2.0	2.5	3.0	3.0	4.0	4.0
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	36,000	48,000	48,000
Cooling Cap. Range Min - Max	Btu/h	4,750~22,200	7,883~31,399	8,777~39,650	8,499~40,422	17,500~43,000	19,200~50,500	18,900~51,000
SEER2		20.95	22.95	23.0	21.95	20.6	21.95	21.35
EER2		12.95	12.95	12.5	11.35	12.65	11.65	11.7
Heating Rated Capacity (47° F)	Btu/h	19,000	24,500	30,000	37,000	36,750	49,000	49,500
Heating Maximum Capacity (5° F)	Btu/h	12,700	22,000	29,000	23,900	36,000	36,000	48,000
Heating Cap. Range Min - Max	Btu/h	4,700~25,100	7,917~33,815	7,385~42,300	7,454~45,628	12,900~48,000	14,000~54,000	11,750~58,500
HSPF2		10.15	9.85	9.5	9.35	10.15	9.2	9.35
COP (47° F)	W/W	3.86	3.96	3.81	3.61	3.80	3.59	3.73
COP (5° F) - Maximum	W/W	1.75	1.85	1.88	1.72	1.80	1.80	1.90

LIGHT COMMERCIAL



38MBRC Outdoor Unit

Up to 19.8 SEER2

Up to 10.2 HSPF2

Sizes: 36 / 48 / 58



40MBCAQ Cassette

Sizes: 36 / 48



40MBDQ Ducted

Sizes: 36 / 48 / 58



40MBDAQ High Static Slim Ducted

Sizes: 36 / 48 / 58



40MBFQ Console

Sizes: 36 / 48 / 58



40MBAB Air Handler

Sizes: 36 / 48 / 60



36K

48K/58K

FEATURES

- Variable speed compressor
- High-efficiency ECM fan motor
- Factory installed basepan heater
- Factory installed crankcase heater
- Low voltage controls
- Auto-restart function
- Condenser high-temperature protection
- Quiet operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 40MBCAQ Cassette (p 56)
- 40MBDQ Ducted (p 58)
- 40MBDAQ High Static Slim Ducted (p 60)
- 40MBFQ Console (p 62)
- 40MBAB Air Handler (p 64)

An Efficient Outdoor Unit with **Easy Maintenance**

Outdoor Heat Pump Unit

Inverter Compressor

Sizes: 36 / 48 / 58

Up to 19.8 SEER2

Up to 10.2 HSPF2

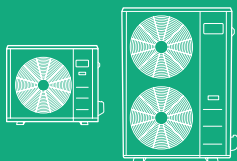
KEY FEATURES

Premium Efficiency

Enjoy increased energy savings with a unit equipped with inverter technology that delivers first-rate comfort and efficiency.

Simple Maintenance

With convenient access to the control compartment through both top and side panels, this outdoor unit makes servicing and maintenance a breeze.



EXCEL SERIES

38MBRC OUTDOOR UNIT

SPECIFICATIONS:

38MBRC Outdoor Unit				
Heat Pump				
System				
Size		36K	48K	58K
Outdoor Model		38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3
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)	-22~130 (-30~55)	-22~130 (-30~55)	-22~130 (-30~55)
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)	7/8 (22)
Refrigerant				
Type		R410A	R410A	R410A
Charge	lbs (kg)	6.72 (3.05)	9.26 (4.2)	10.58 (4.8)
Compressor				
Type		Rotary Inverter		
Dimensions				
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)	148.59 (67.4)	219.14 (99.4)	217.15 (98.5)
Airflow	CFM	2,130	4,500	4,500
Sound Pressure	dB(A)	63	62.5	61.2

*Condensing unit above or below indoor unit.

COMPATIBILITY:

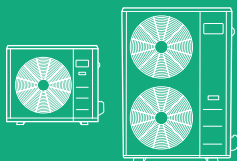
Indoor Unit		Outdoor Unit		
		38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3
Air Handler	40MBABQ36XA3	•		
	40MBABQ48XA3		•	
	40MBABQ60XA3			•
Cassette	40MBCAQ36XA3	•		
	40MBCAQ48XA3		•	
Console	40MBFQ36---3	•		
	40MBFQ48---3		•	
	40MBFQ58---3			•
Ducted	40MBDQ36---3	•		
	40MBDQ48---3		•	
	40MBDQ58---3			•
High Static Slim Ducted	40MBDAQ36XH3	•		
	40MBDAQ48XH3		•	
	40MBDAQ58XH3			•

PERFORMANCE:

40MBAB Air Handler				
Size		36K	48K	60K
Indoor Model		40MBABQ36XA3	40MBABQ48XA3	40MBABQ60XA3
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	11,600~41,000	11,800~51,900	11,000~60,000
SEER2		15.4	15.3	16.0
EER2		8.2	8.2	9.6
Heating Rated Capacity (47° F)	Btu/h	38,000	55,000	60,000
Heating Rated Capacity (17° F)	Btu/h	25,600	37,500	34,000
Heating Maximum Capacity (17° F)	Btu/h	27,000	37,500	34,600
Heating Maximum Capacity (5° F)	Btu/h	22,000	31,000	33,000
Heating Cap. Range Min - Max	Btu/h	9,200~43,000	11,900~58,000	12,000~60,400
HSPF2		9.0	9.2	8.5
COP (47° F)	W/W	3.35	3.03	3.20
COP (17° F)	W/W	2.61	2.46	2.52
COP (5° F)	W/W	1.90	1.75	1.81

PERFORMANCE:

40MBCAQ Cassette			
Size		36K	48K
Indoor Model		40MBCAQ36XA3	40MBCAQ48XA3
Cooling System Tons		3.0	4.0
Cooling Rated Capacity	Btu/h	36,000	48,000
Cooling Cap. Range Min - Max	Btu/h	12,400~36,000	16,600~48,000
SEER2		19.2	18.5
EER2		9.4	9.5
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000
Heating Rated Capacity (17° F)	Btu/h	23,000	28,000
Heating Maximum Capacity (17° F)	Btu/h	25,300	37,900
Heating Maximum Capacity (5° F)	Btu/h	22,300	30,200
Heating Cap. Range Min - Max	Btu/h	11,200~38,000	11,850~52,000
HSPF2		8.8	9.8
COP (47° F)	W/W	3.01	3.10
COP (17° F)	W/W	1.90	1.80
COP (5° F)	W/W	2.02	1.92



PERFORMANCE:

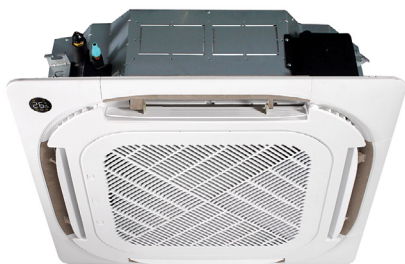
40MBFQ Floor Console				
Size		36K	48K	58K
Indoor Model		40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Cooling System Tons		3.0	4.0	4.5
Cooling Rated Capacity	Btu/h	36,000	48,000	54,000
Cooling Cap. Range Min - Max	Btu/h	11,400~36,000	15,800~48,000	15,000~54,000
SEER2		19.0	18.9	19.8
EER2		8.5	9.3	9.8
Heating Rated Capacity (47° F)	Btu/h	38,000	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	23,000	29,000	35,000
Heating Maximum Capacity (17° F)	Btu/h	23,000	29,000	35,000
Heating Maximum Capacity (5° F)	Btu/h	22,000	28,000	30,000
Heating Cap. Range Min - Max	Btu/h	11,400~38,000	12,000~50,000	17,000~62,000
HSPF2		9.0	10.0	9.0
COP (47° F)	W/W	2.80	2.50	3.00
COP (17° F)	W/W	2.34	2.52	2.49
COP (5° F)	W/W	1.80	1.95	1.90

PERFORMANCE:

40MBDQ Ducted				
Size		36K	48K	58K
Indoor Model		40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
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	5,900~36,000	12,000~48,000	13,000~59,000
SEER2		15.8	15.1	17.0
EER2		8.8	8.5	10.3
Heating Rated Capacity (47° F)	Btu/h	40,000	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	27,000	29,000	35,400
Heating Maximum Capacity (17° F)	Btu/h	25,000	29,000	35,400
Heating Maximum Capacity (5° F)	Btu/h	22,000	32,000	35,000
Heating Cap. Range Min - Max	Btu/h	12,700~40,000	11,600~50,000	12,000~61,000
HSPF2		8.8	9.3	8.4
COP (47° F)	W/W	3.37	3.00	3.50
COP (17° F)	W/W	2.63	2.57	2.50
COP (5° F)	W/W	1.90	1.95	2.01

PERFORMANCE:

40MBDAQ High Static Slim Ducted				
Size		36K	48K	58K
Indoor Model		40MBDAQ36XH3	40MBDAQ48XH3	40MBDAQ58XH3
Cooling System Tons		3.00	4.00	4.92
Cooling Rated Capacity	Btu/h	36,000	48,000	59,000
Cooling Cap. Range Min - Max	Btu/h	8,900-37,000	10,500-48,800	12,000-62,000
SEER2		16.0	15.2	17.0
EER2		9.2	8.8	10.3
Heating Rated Capacity (47° F)	Btu/h	39,500	50,000	60,000
Heating Rated Capacity (17° F)	Btu/h	26,200	35,000	34,400
Heating Maximum Capacity (17° F)	Btu/h	26,400	35,600	31,000
Heating Maximum Capacity (5° F)	Btu/h	26,400	40,000	36,000
Heating Cap. Range Min - Max	Btu/h	12,800-42,000	11,000-55,600	12,000-60,000
HSPF2		10.2	9.7	8.4
COP (47° F)	W/W	3.18	3.19	3.52
COP (17° F)	W/W	2.52	2.36	2.46
COP (5° F)	W/W	2.08	1.93	2.00



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto, Turbo
- Louver control (fixed or swing)
- Outside air intake
- Built-in condensate lift pump
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBRC Outdoor Unit (p 52)

Excel Cassette

Sizes: 36 / 48

Select systems are ENERGY STAR® certified based on outdoor unit pairings



KEY FEATURES

Easier Service & Installation

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

Seamless Connection

Optimized Wi-Fi® connectivity means fewer installation steps for faster, more seamless connections.

Enhanced Design

A new, ergonomic design and larger vents for improved airflow means greater comfort from an unobtrusive indoor unit.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional Wired
Remote Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)



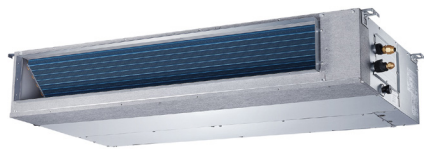
SPECIFICATIONS:

40MBCAQ Cassette			
Heat Pump			
System			
Size		36	48
Indoor Model		40MBCAQ36XA3	40MBCAQ48XA3
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	1.0	1.5
Controls			
Wireless Remote Controller (° F / ° C Convertible)			Standard
Wired Remote Controller (° F / ° C Convertible)			Optional
Operating Range			
Cooling Indoor DB Min - Max	° F (° C)	60.8~90 (16~32)	60.8~90 (16~32)
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			
Body Unit Width	in (mm)	32.68 (830)	32.68 (830)
Body Unit Height	in (mm)	9.65 (245)	11.3 (287)
Body Unit Depth	in (mm)	32.68 (830)	32.68 (830)
Body Net Weight	lbs (kg)	59.97 (27.2)	64.59 (29.3)
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		4	4
Airflow (lowest to highest)	cfm	753/853/947/1041	935/1059/1171/1288
Sound Pressure (lowest to highest)	dB(A)	46/49/51/53	49/52/54/56
Air Throw Data	ft (m)	16.4 (5)	16.4 (5)
Moisture Removal	Pint/h (L/h)	8.5 (4.0)	12.3 (5.8)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)

Performance may vary based on the Outdoor unit matched to. See compatible Outdoor Units pages for Performance Data

COMPATIBILITY:

Indoor Unit	40MBCAQ36XA3	40MBCAQ48XA3
Outdoor Unit	38MBRCQ36AA3	38MBRCQ48AA3



36K & 48K



58K

FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Vertical (sizes 36 & 48) or horizontal installation
- Up to 0.8 in W.C.
- Rear or bottom return
- 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 38.5 dB(A)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBRC Outdoor Unit (p 52)

Excel Ducted

Sizes: 36 / 48 / 58

KEY FEATURES

Vertical or Horizontal Installation

Designed for maximum installation flexibility. The secondary built-in drain allows the unit to be mounted vertically allowing either a floor or ceiling-concealed installation depending on existing conditions. (Sizes 36 and 48 only.)

Built-in Condensate Lift Pump

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

CONTROLS

Wireless Remote Controller included with indoor unit

Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Wired Remote Controller
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0401AAA

24V interface for third-party thermostat compatibility KSAIC0301230





EXCEL SERIES

40MBDQ DUCTED

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	3.20	3.65
Controls				
Wireless Remote Controller (° F / ° C Convertible)		Standard		
Wired Remote Controller (° F / ° C Convertible)		Standard		
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Indoor				
Unit Width	in (mm)	53.54 (1,360)	47.24 (1,200)	55.12 (1,400)
Unit Height	in (mm)	9.80 (249)	11.81 (300)	17.32 (440)
Unit Depth	in (mm)	30.47 (774)	34.41 (874)	33.78 (858)
Net Weight	lbs (kg)	106.48 (48.3)	119.71 (54.3)	163 (74)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	cfm	700/910/1,080	720/1,030/1,230	1,260/1,710/2,150
Sound Pressure (lowest to highest)	dB(A)	38.5/42/45.5	46/49.5/50.5	51/54/57
Max Static Pressure	in W.C.	0.64	0.64	0.80
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBDQ36---3	40MBDQ48---3	40MBDQ58---3
Outdoor Unit	38MBRCQ36A--3	38MBRCQ48A--3	38MBRCQ58A--3



FEATURES

- Vertical or horizontal installation (Except 58K)
- External static pressures 0.80 in W.C.
- Constant air volume control
- Modes: Cool, Heat, Dry, Fan, Auto
- Rear or bottom return
- Outside air intake
- Built-in condensate lift pump
- *Follow Me* (senses temperature at handheld remote)
- Quiet indoor operation, as low as 35 dB(A)

COMPATIBLE WITH:

- 38MBRC Outdoor Unit (p 52)

Excel High Static Slim Ducted

Sizes: 36 / 48 / 58

KEY FEATURES

Discrete Design

A slim duct design, recessed installation and exterior connection via flexible refrigerant tubing allow this unit to integrate seamlessly into existing architecture and new construction.

Improved Indoor Air Quality

Each unit comes equipped with a washable, reusable filter for simple, cost-effective servicing. And with the ability to accommodate filters rated up to MERV 13, customers can benefit from the gold standard in indoor air quality technology without sacrificing performance or efficiency.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0101AAA (Timer Function)

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



Optional
Wired Controller
KSACN0101AAA
(Timer Function)



Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)

ACCESSORIES

Wi-Fi® kit KSAIF0401AAA

24V interface kit 230V KSAIC0301230





EXCEL SERIES

40MBDAQ HIGH STATIC SLIM DUCTED

SPECIFICATIONS:

40MBDAQ High Static Slim Ducted				
Heat Pump				
System				
Size		36	48	58
Indoor Model		40MBDAQ36XH3	40MBDAQ48XH3	40MBDAQ58XH3
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	3.0	4.0	5.0
Controls				
Wireless Remote Controller (° F / ° C Convertible)		Standard		
Wired Remote Controller (° F / ° C Convertible)		Standard		
24V Interface for Third-Party Thermostat Control		Optional		
Wi-Fi® Control for Phone App Control		Optional		
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	62~90 (16~32)	62~90 (16~32)	62~90 (16~32)
Heating Indoor DB Min - Max	° F (° C)	59~84 (15~29)	59~84 (15~29)	59~84 (15~29)
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 (15.9)	7/8 (22)
Indoor				
Unit Width	in (mm)	47.24 (1200)	47.24 (1200)	55.12 (1400)
Unit Height	in (mm)	11.81 (300)	11.81 300)	18.11 (460)
Unit Depth	in (mm)	34.41 (874)	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	1000/1235/1588	1059/1588/1882	1262/1709/2156
Sound Pressure (lowest to highest)	dB(A)	36/41/45	45/51/54	50/53/57
Max Static Pressure	in W.C.	0.8	0.8	0.8
Field Drain Pipe Size O.D.	in (mm)	1.0 (25.4)	1.0 (25.4)	1.0 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBDAQ36XH3	40MBDAQ48XH3	40MBDAQ58XH3
Outdoor Unit	38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- Auto-restart function
- Capable to be mounted on floor and ceiling
- Louver control (fixed or swing)
- Three fan speeds
- *Follow Me* (senses temperature at handheld remote)
- Heating setback (46° F Heating Mode)
- Quiet indoor operation, as low as 43 dB(A)
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBRC Outdoor Unit (p 52)

Excel Console

Sizes: 36 / 48 / 58

KEY FEATURES

Outside Air Intake

Outside air is brought into the room via a connection pipe, which keeps the indoor air fresher and cleaner.

Flexible Installation

Can be installed on the floor or ceiling depending on the application need.

CONTROLS

Wireless Remote Controller included with indoor unit

Optional Wired Remote Controller KSACN0701AAA (7-Day Programmable)



Wireless
Remote
Controller



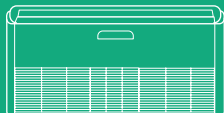
Optional
Wired Controller
KSACN0701AAA
(7-Day Programmable)

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
Controls				
Wireless Remote Controller (° F / ° C Convertible)			Standard	
Wired Remote Controller (° F / ° C Convertible)			Optional	
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	63~90 (17~32)	63~90 (17~32)	63~90 (17~32)
Heating Indoor DB Min - Max	° F (° C)	32~86 (0~30)	32~86 (0~30)	32~86 (0~30)
Piping				
Pipe Connection Size - Liquid	in (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
Pipe Connection Size - Suction	in (mm)	5/8 (16)	5/8 (16)	3/4 (19)
Indoor				
Unit Width	in (mm)	50.59 (1,285)	64.96 (1,650)	64.96 (1,650)
Unit Height	in (mm)	9.25 (235)	9.25 (235)	9.25 (235)
Unit Depth	in (mm)	26.57 (675)	26.57 (675)	26.57 (675)
Net Weight	lbs (kg)	69 (31.3)	83.78 (38)	110 (50)
Number of Fan Speeds		3	3	3
Airflow (lowest to highest)	cfm	638/917/1,037	1,000/1,120/1,350	796/1,029/1,385
Sound Pressure (lowest to highest)	dB(A)	43/49/54	52/54/57	46/49/55
Air Throw Data	ft (m)	33 (10)	39 (12)	39 (12)
Field Drain Pipe Size O.D.	in (mm)	1 (25.4)	1 (25.4)	1 (25.4)

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

COMPATIBILITY:

Indoor Unit	40MBFQ36---3	40MBFQ48---3	40MBFQ58---3
Outdoor Unit	38MBRCQ36A--3	38MBRCQ48A--3	38MBRCQ58A--3



FEATURES

- Modes: Cool, Heat, Dry, Fan, Auto
- 4-way installation (Upflow, Downflow, Right, Left)
- New aluminum coil
- Automatic Airflow Technology with static pressure up to 0.8 in W.C.
- Less than 2% air leakage
- Easy maintenance
- Quiet indoor operation
- Anti-corrosive fin coating

COMPATIBLE WITH:

- 38MBRC Outdoor Unit (p 52)

Excel Air Handler

Size: 36 / 48 / 60

KEY FEATURES

Unmatched Maintenance Simplicity

With a top panel and an indoor coil that can be easily removed, get faster access to the core parts of the unit needed for service. You only need to remove two screws!

Less Complex Electronics

Having only two integrated printed circuit boards means the electronic components are less complicated. One is the main control board, and the other is the function board for the 24V interface, dip switch, wired controller and LED display.

Easier Access to Electric Heater

This single-piece construction enables easy installation and maintenance.

Modular Slide Design

The indoor coil can be easily pulled out through the slide track for quick and easy maintenance.

CONTROLS

Wireless Remote Controller included with indoor unit

24V interface for third-party thermostat compatibility built-in

WARRANTY

Limited Warranty*

10-year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years.

*For residential applications. See warranty for full details.



SPECIFICATIONS:

40MBAB Air Handler				
Heat Pump				
System				
Size		36	48	60
Indoor Model		40MBABQ36XA3	40MBABQ48XA3	40MBABQ60XA3
Electrical				
Voltage-Phase-Cycle	V-Ph-Hz	208/230-1-60	208/230-1-60	208/230-1-60
Power Supply		Indoor unit powered from outdoor unit		
MCA	A.	5.0	7.5	9.0
Controls				
Wireless Remote Controller (° F / ° C Convertible)		Standard		
Wired Remote Controller (° F / ° C Convertible)		Standard		
Operating Range				
Cooling Indoor DB Min - Max	° F (° C)	60~90 (16~32)	60~90 (16~32)	60~90 (16~32)
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)	7/8 (22)
Indoor				
Unit Width	in (mm)	21 (534)	21 (534)	24.5 (622)
Unit Height	in (mm)	49 (1245)	49 (1245)	53 (1346)
Unit Depth	in (mm)	21 (534)	21 (534)	21 (534)
Net Weight	lbs (kg)	129.63 (58.8)	132.50 (60.1)	164.02 (74.4)
Number of Fan Speeds		4	4	4
Airflow (lowest to highest)	CFM	865/971/1082/1188	906/1094/1282/1471	1135/1359/1582/1806
Sound Pressure - Cooling (lowest to highest)	dB(A)	41.4/44.0/48.5	44.6/47.7/51.0/53.7	45.7/47.5/51.2/53.3
Sound Pressure - Heating (lowest to highest)	dB(A)	33.9/39.0/45.1	43.4/47.8/50.5/53.8	39.4/44.9/50.1/51.0
Max Static Pressure	in W.C.	0.8	0.8	0.8
Field Drain Pipe Size O.D.	in (mm)	3/4 (19.1)	3/4 (19.1)	3/4 (19.1)

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

COMPATIBILITY:

Indoor Unit	40MBABQ36XA3	40MBABQ48XA3	40MBABQ60XA3
Outdoor Unit	38MBRCQ36AA3	38MBRCQ48AA3	38MBRCQ58AA3

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



24V Interface for Third-Party Thermostat

FEATURES

- Control the ductless system using a third-party thermostat (*1)
- One 24V interface kit per indoor head (*2)
- Single and multi-zone applications
- Keeps the inverter compressor operating as a variable-speed system (*3)
- Rated for outdoor and indoor mounting
- Dry mode contact for active dehumidification control
- Remote on/off contact
- Auxiliary heat control through the thermostat (*4)
- Diagnostic code display LEDs
- Power supplied through the outdoor unit

COMPATIBLE WITH:

- DHMPHB High Wall
- DHMAHB High Wall
- 40MCCAQ One-Way Cassette
- 40MBCQ Cassette
- 40MBCAQ Cassette
- 40MHHAC & 40MHHAQ High Wall
- 40MBDQ Ducted
- 40MBDAQ High Static Slim Ducted
- 40MBFQ Console

Included in:

- 40MBAB Air Handler

KSAIC0301230 Ductless Indoor + Outdoor Single Zone 208-230V

KEY FEATURES

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

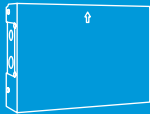
Experience quick and easy installation between either a single or multi-zone outdoor unit and the fan coil. The interface can be installed either indoors or outdoors.

Consumer Choice & Control

Consumers can choose the type of thermostat they want to use without adversely affecting the efficiency or performance of their ductless systems.

ACCESSORIES

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

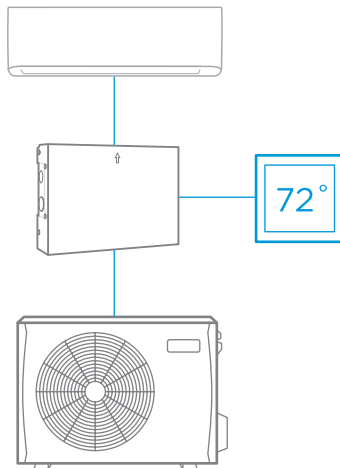


COMPATIBILITY:

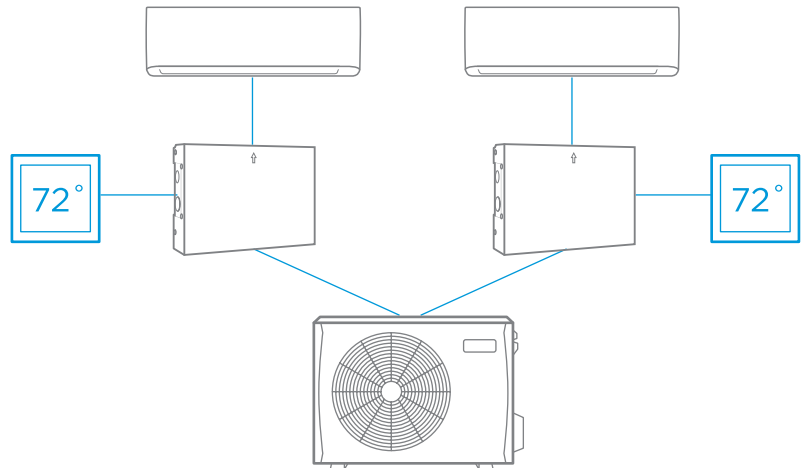
Compatibility Table				
Type of Indoor Unit	Indoor Family Name	Single Zone Outdoor Family Name	Multi-Zone Outdoor Family Name	208/230V
High Wall	DHMPHB	38MPRB	38MGR	All Sizes
	DHMAHB	38MARB	38MGR	All Sizes
	40MHHA	38MHR	38MGR	All Sizes
Cassette	40MCCAQ	38MARB	38MGR	All Sizes
	40MBCQ	38MARB	38MGR	All Sizes
	40MBCAQ	38MARB	38MGR	All Sizes
Ducted	40MBDQ	38MARB	38MGR	All Sizes Except Size 58 (See Note)
	40MBDAQ	38MARB	38MGH	All Sizes Except Size 58 (See Note)
Console	40MBFQ	38MARB	38MGR	All Sizes Except Sizes 12 and 58 (See Note)

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

Single Zone



Multi-Zone



Notes:

- (*1) 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.
- (*2) When using in a multi-zone system not all the indoor heads require a 24V interface kit.
- (*3) A conventional 5-wire thermostat is required.
- (*4) 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.

COMPATIBILITY:

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

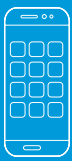
Indoor Unit Type			High Wall			Cassette	One-Way Cassette	Ducted	High Static Slim Ducted	Console	Air Handler
Wi-Fi® Kits	Indoor Family Name	Single Zone/Multi-Zone	DHMPHB	DHMAHB	40MHH	40MBCQ	40MCCAQ	40MBDQ	40MBDAQ	40MBFQ	40MBAB
	KSAIF0101AAA	Single Zone & Multi-Zone			• 9/12/24k						
	KSAIF0201AAA	Single Zone & Multi-Zone			• 18k						
	KSAIF0301AAA	Single Zone & Multi-Zone	↵	↵	↵						
	KSAIF0401AAA	Single Zone & Multi-Zone				•		•	•	• 18-58	
	KSAIF0601AAA	Single Zone & Multi-Zone	•	•			•				

○	Optional
•	Standard

Not available / compatible
Current models

Notes:

↵ Indoor unit model comes with everything to be compatible with the USB Wi-Fi® Dongle Model 17310900000281 from the KSAIF0301AAA kit. If installed in a high wall unit other than the DHMAHB, install the USB Wi-Fi® Dongle 17310900000281 into the high wall unit's factory USB port only and discard all other components of the KSAIF0301AAA kit.

**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.

WIRED CONTROLLER:

**Optional Wired Controller
(7-Day Programmable)**
KSACN0601AAA, KSACN0701AAA
KSACN0801AAA or KSACN0901AAA

Indoor Unit Type			High Wall			Cassette	One-Way Cassette	Ducted	High Static Slim Ducted	Console	Air Handler
Wired Controllers	Indoor Family Name	Single Zone/Multi-Zone	DHMPHB	DHMAHB	40MHH	40MBCQ	40MCCAQ	40MBDQ	40MBDAQ	40MBFQ	40MBAB
	KSACN0101AAA	Single Zone & Multi-Zone		○	○	○	○	○	○	○	
	KSACN0401AAA	Single Zone & Multi-Zone			○					○ 9-12 ‡	
	KSACN0501AAA	Single Zone & Multi-Zone				○		•		○ 18-58	
	KSACN0601AAA	Single Zone & Multi-Zone	○ 9-12K		○					○ 9-12 ‡	
	KSACN0701AAA	Single Zone & Multi-Zone				○	○	•**	•	○ 18-58	
	KSACN0801AAA	Single Zone & Multi-Zone	○ 18K	○							
	KSACN0901AAA	Single Zone & Multi-Zone			○						
	KSACN1001AAA	Single Zone & Multi-Zone									•

○	Optional
•	Standard

Not available / compatible
Current models

Notes:

‡ Compatible with indoor units starting with Serial Number 0117V10001.

** Starting with Serial Number 2820V10001 (Week 28, Year 2020) the KSACN0701AAA became the standard controller but is backwards compatible with previous production units.

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.

That's why we provide all our dealers with top-notch factory support—and team up with distributors to provide the tools needed for success, including:



Training on ductless systems



Dealer loyalty programs and incentives



A dealer locator tool to help drive leads



Educational and sales resources

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

NEED ASSISTANCE? WE'RE HERE FOR YOU!

Online: mideahomecomfort.com

Phone: 888-882-5234



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



Get technical support and information regarding parts and service.

Standard Features Glossary

24-Hour Timer

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

Airflow Panel

360° air outlet creates a soft and gentle airflow, 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 air conditioner 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 ductless systems can be used as a primary heat source, with heat output down to -22° F.

Follow Me

A temperature sensor built into the remote controller will sense its surrounding temperature. The unit will adjust the room temperature more accurately to give you comfort.

High Ambient Cooling

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

High Heating Operation

The high tier and mid-tier systems can be a primary heat source, with high heating down to -22° F, so when it's cold outside, it's warm inside.

Independent Vane Control

Airflow direction from individual outlets can be controlled separately to achieve the optimal airflow 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 energy consumption.

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.

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