Easy Upgrade.
Premium Heat Pump Comfort.

Quality inverter comfort within easier reach-smart value,
quiet performance, and dependable comfort for everyday homes.

Variable-speed heat pump · 18K–60K



EVOX GEN2 LITE

WHY EASY UPGRADE

A Smarter Way Into Heat Pump Comfort

Gen2 Lite removes more of the friction from a comfort upgrade-making it easier to install, easier to fit, easier to control, and quieter to live with every day.



Quieter Comfort Starts Outside

Outdoor Quiet Mode runs below 45 dB at night, helping your upgrade bring more comfort with less disruption around bedrooms, patios, and neighboring homes.



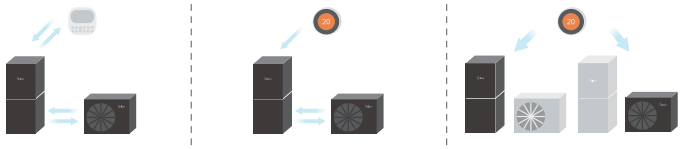
Flexible Power Makes Upgrading Easier

115V and 230V indoor-unit compatibility gives your contractor more ways to work with the electrical setup already in your home.



More Control Choices, Less Upgrade Friction

RS485 and 24V compatibility can support familiar thermostat control or a connected Midea control experience, depending on your installation.



RS485 Communication Mode

EVOX Heat pump
EVOX Air Handler
Midea Wired Controller

OR

EVOX Heat Pump
EVOX Air Handler
Third-Party 24V Thermostat

Adapt to 24V Thermostat

EVOX/Third-Party Heat Pump
EVOX/Third-Party Air Handler
Third-Party 24V Thermostat

A Compact Design That Is Easier to Fit

Single-fan outdoor units across the lineup help simplify placement where space around the home may be limited.



Outdoor quiet mode applies to all current Gen2 Lite models per approved product information. Installed control options and electrical requirements vary by application.

EASY UPGRADE COMFORT

Comfort That Follows Every Season

Variable-speed operation gently adjusts output as conditions change, helping your home stay more consistent through quiet nights, winter cold, and summer heat.



122°F
Ready for Summer
Cooling operation across the lineup.

37 dB
Hear More of Home
18K indoor Silent mode.

-13°F
Ready for Winter
Heating operation across the lineup.



Steady Comfort, Not Just On or Off

Inverter operation varies capacity with demand to help reduce noticeable temperature swings and maintain a more even indoor feel.

Optional Dual-Fuel Path

A compatible Gen2 Lite outdoor unit can pair with a Midea EVOX A-Coil and furnace for dual-fuel comfort and dependable backup heat in extreme cold.





37 dB applies to the 18K indoor unit in Silent mode. Operating ranges apply to current models per submittal. A-Coil dual-fuel configurations require compatible matched equipment and qualified installation.

EASY UPGRADE EFFICIENCY

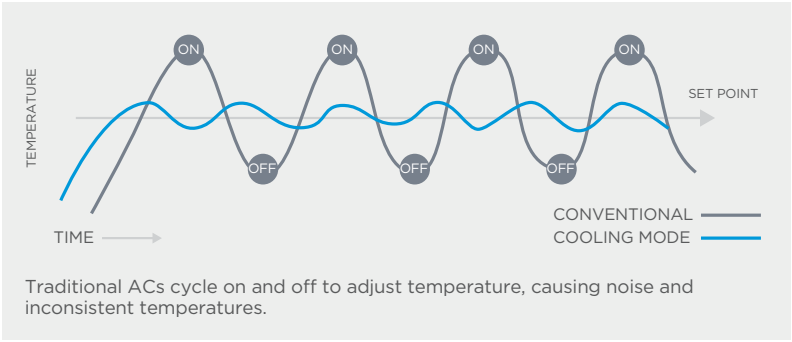
Smart Energy. Steady Comfort.

Instead of running at one fixed level, inverter operation can adjust output with changing demand-supporting comfort with more thoughtful energy use.



Midea INVERTER

Precise tempcontrol with low energy consumption



Traditional ACs cycle on and off to adjust temperature, causing noise and inconsistent temperatures.



Sensors in both the indoor and outdoor units, continuously monitor operating conditions, and can detect temperature changes, as small as 0.1 degrees Celsius (0.18°F). This enables the system to respond, quickly to changing conditions, and provide more precise temperature and humidity control. Beyond powerful performance. Midea delivers more from a compact outdoor unit. Its space-saving design makes installation more flexible, without compromising heating or cooling performance. And comfort goes beyond temperature. Midea inverter driven technology.

More ways to make the upgrade work.

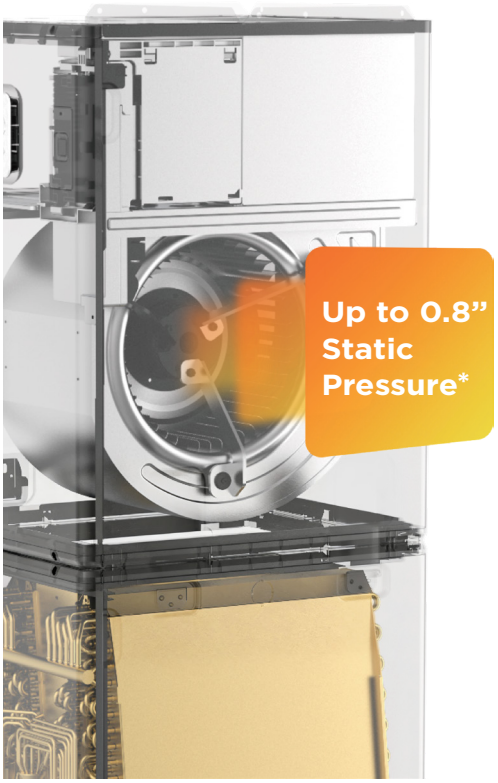
Eligible households may have access to local or federal heat pump incentives. Ask your dealer to verify current program and model requirements.

Up to 17.7 SEER2 and 9.2 HSPF2 Region IV apply to the 30K matched system. COP 2.05 at 5°F applies to the 18K matched system. Per current submittal. Incentive eligibility varies.

EASY UPGRADE FIT

A Better Fit. An Easier Upgrade.

Gen2 Lite gives your contractor more ways to work with the home you already have-helping reduce the need for unnecessary changes during replacement.



Airflow That Adapts to Your Ductwork

The ECM constant-airflow motor automatically adjusts to help deliver the airflow your duct system requires.



Total Static Pressure **0.4”**
Total Air Flow Volume **1200CFM**



Total Static Pressure **0.8”**
Total Air Flow Volume **1200CFM**



Normal Filter



Total Static Pressure **0.4”**
Total Air Flow Volume **1200CFM**



MERV 13



Total Static Pressure **0.8”**
Total Air Flow Volume **1200CFM**

*Based on the testing result of the unit without auxiliary electric heater.

Fits More Indoor Spaces

17.5-inch and 21-inch cabinet platforms cover six capacities.

18K / 24K / 30K:
17-1/2″ x 21″ x 45″

36K / 48K / 60K:
21″ x 21″ x 49″

Next-gen compact. Fits even more.



Works in More Positions

Upflow, downflow, left, or right installation flexibility.





Power Options for Replacement

115V and 230V indoor-unit compatibility supports more project paths.

- Automatically identifying the required voltage, no need for manual conversion.
- Automatically adapting to existing voltage system.
- Eliminating the hassle of rewiring.



Less disruption. More ways forward.

Your contractor can choose the cabinet, position, power, and airflow setup that best fits the installation.

Cabinet widths, installation positions, voltage compatibility, and airflow setup depend on model and application. Installation must follow approved instructions and system design requirements.

EASY UPGRADE CONTROL

Your Control. Your Comfort.

Dual RS485 and 24V compatibility gives you a choice: keep familiar control for everyday operation or choose Midea control to unlock a more connected experience.

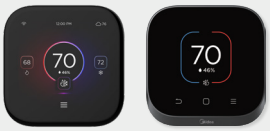




OPTION 1

Keep Familiar Control

Use a compatible existing 24V thermostat for essential heating and cooling operation.



OPTION 2

Choose Midea Control

Use a compatible Midea thermostat or wired controller to access supported smart and service functions.

A Smarter Comfort Experience

With compatible Midea control, connected functions can bring more visibility, convenience, and support to everyday comfort.

Smart Home

SmartHome App



M-Station
Smart Thermostat



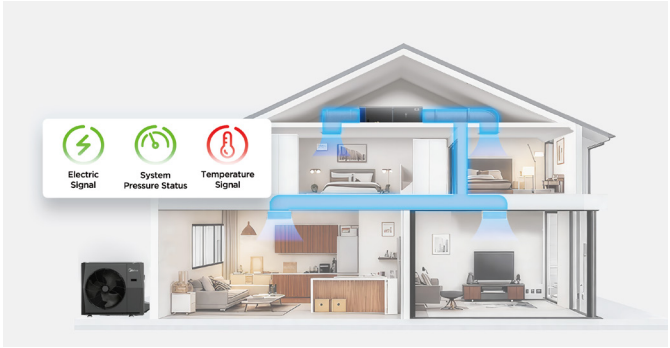
Set your schedule
Customize your specific comfort schedule

Manage your comfort
Enjoy your desired air flow, temperature and relative humidity at home

Keep an eye on your electricity usage
Take a look at your power consumption at any time

iCheck Diagnostics

Helps technicians identify system conditions and support more informed service.



OTA Updates

Enables compatible system updates without replacing the installed control hardware.



Built-in refrigerant detection

Graphene fin treatment

Magnetic service panel

Available control and connected functions depend on installed equipment and compatible Midea controls. Third-party 24V thermostats support basic operation but do not enable Midea connected functions. Feature details subject to final confirmation.

EASY UPGRADE CHOICES

One Upgrade. Six Right Sizes.

Six matched indoor and outdoor combinations help your contractor select a Gen2 Lite system sized for your home.

Heating operation	Cooling operation	R-454B	Aux Heat	Multi-position
Down to **-13°F**	Up to **122°F**	GWP **466**	Up to **20 kW**	Up /down /left /right

Size	Indoor unit	Outdoor unit	Cabinet
18K	MAUAE-H18B-2A	MO1AE-H18B-2A	17.5 in.
24K	MAUAE-H24B-2A	MO1AE-H24B-2A	17.5 in.
30K	MAUAE-H30B-2A	MO1AE-H30B-2A	17.5 in.
36K	MAUAE-H36B-2A	MO1AE-H36B-2A	21 in.
48K	MAUAE-H48B-2A	MO1AE-H48B-2A	21 in.
60K	MAUAE-H60B-2A	MO1AE-H60B-2A	21 in.

Electric Heat Kit Data

Heater Part No.	Heater KW	Internal Circuit Protection	Circuit 1 208/230 V			Circuit 2		
			Heater Amps	MCA (1)	MOCP (2)	Heater Amps	MCA (1)	MOCP (2)
EAH-03E(UL)	3	Ckt Bkr	10.8/12	14/16	15/20	/	/	/
EAH-05E(UL)	5		18/20	23/27	25/30	/	/	/
EAH-08E(UL)	8		28.8/32	37/42	40/45	/	/	/
EAH-10E(UL)	10		36.1/39.5	46/53	50/60	/	/	/
EAH-15E(UL)	15		18/20	23/27	25/30	36/40	46/53	50/60
EAH-20E(UL)	20		36/40	46/53	50/60	36/40	46/53	50/60

Model Size Selection Chart

Outdoor Unit Model (Btu/h)	3kW	5kW	8kW	10kW	15kW	20kW
18k	Y	Y	Y	Y	-	-
24K	-	Y	Y	Y	Y	-
30K	-	Y	Y	Y	Y	-
36K	-	Y	Y	Y	Y	Y
48K	-	-	Y	Y	Y	Y
60K	-	-	-	Y	Y	Y

Relay And Breaker Specifications

Heat Siz	Number Of Circuit Breakers	Number of Relays	Number Of Power Cord Groups	Number Of Power Cord Grounding Screws
3kW	1	1	2	2
5kW	1	1	2	2
8kW	1	2	2	2
10kW	1	2	2	2
15kW	2	3	3	3
20kW	2	4	3	3

Product sizing must be completed by a qualified contractor. Model combinations and specifications are based on the current submittal and are subject to change without notice.

EASY UPGRADE BEGINS HERE

PRODUCT SPECIFICATION

EVOX GEN2 LITE

Model	Indoor Unit		MAUAE-H18B-2A	MAUAE-H24B-2A	MAUAE-H30B-2A	MAUAE-H36B-2A	MAUAE-H48B-2A	MAUAE-H60B-2A
	Outdoor Unit		MO1AE-H18B-2A	MO1AE-H24B-2A	MO1AE-H30B-2A	MO1AE-H36B-2A	MO1AE-H48B-2A	MO1AE-H60B-2A
Performance								
Power Supply	IDU	V,Hz,Ph	115/208/230V,60Hz,1Ph					
	ODU	V,Hz,Ph	208/230V,60Hz,1Ph					
SEER2 (AHRI 210/240-2023)	Cooling Capacity	Btu/h	18,000	23,000	30,000	34,000	48,000	54,000
	Heating Capacity	Btu/h	18,000	23,000	30,000	34,000	48,000	54,000
	SEER2	Btu/W	17	16.5	17.7	15.2	15.2	16
	EER2	Btu/W	9.6	8	9.2	8.1	8	8.4
HSPF2 (Region IV & V)	HSPF2 (Region IV)	Btu/W	8.4	8.8	9.2	8.7	8.4	8.1
	HSPF2 (Region V)	Btu/W	6.6	6.9	7.2	6.8	6.8	6.6
	COP	W/W	3.34	3	3.18	2.98	2.33	3
Indoor unit								
Air Flow Volume	Turbo/Hi/ Mi/Lo/Si	CFM	618 / 574 / 530 / 486 / 486	824 / 759 / 694 / 630 / 630	989 / 896 / 803 / 710 / 710	1,189 / 1,083 / 971 / 865 / 865	1,601 / 1,398 / 991 / 594 / 594	1,730 / 1,500 / 1,270 / 1,040 / 1,040
Noise Level	Turbo/Hi/ Mi/Lo/Si	dB(A)	44 / 42 / 40 / 37 / 37	49 / 46 / 44 / 39.5 / 39.5	53 / 47 / 44 / 39 / 39	46.5 / 46.5 / 45 / 41 / 41	52 / 52 / 48.5 / 44 / 44	56 / 52 / 49 / 34.5 / 34.5
Net Dimension	W × D × H	mm	445×534×1,143	445×534×1,143	445×534×1,143	534×534×1,245	534×534×1,245	534×534×1,245
	W × D × H	inch	17-1/2 x 21 x 45	17-1/2 x 21 x 45	17-1/2 x 21 x 45	21 x 21 x 49	21 x 21 x 49	21 x 21 x 49
Packing Dimension	W × D × H	mm	675×530×1,235	675×530×1,235	675×530×1,235	675×620×1,335	675×620×1,335	675×620×1,335
	W × D × H	inch	26-5/8 x 20-7/8 x 48-5/8	26-5/8 x 20-7/8 x 48-5/8	26-5/8 x 20-7/8 x 48-5/8	26-5/8 x 24-3/8 x 52-1/2	26-5/8 x 24-3/8 x 52-1/2	26-5/8 x 24-3/8 x 52-1/2
Net/Gross Weight	IDU Net/ Gross	kg	47.7 / 57.4	47.7 / 57.4	49.3 / 59	57.1 / 68.4	60.5 / 71.5	60.5 / 71.5
	ODU Net/ Gross	kg	30.3 / 33.2	36 / 38.8	45 / 48.5	50.3 / 53.8	76.4 / 81.3	87.4 / 101.7
	IDU Net/ Gross	lbs	105 / 127	105 / 127	109 / 130	126 / 151	133 / 158	133 / 158
	ODU Net/ Gross	lbs	67 / 73	79 / 86	99 / 107	111 / 119	168 / 180	193 / 224
Piping Size & Run Limits	Liquid Side	inch	3/8	3/8	3/8	3/8	3/8	3/8
	Gas Side	inch	3/4	3/4	3/4	3/4	3/4	3/4
	Max. Pipe Length	m	30	50	50	75	75	75
	Max. Pipe Length	ft	98.4	164	164	246	246	246
	Max. Height Difference	m	20	25	25	30	30	30
	Max. Height Difference	ft	65.6	82	82	98.4	98.4	98.4

Eligible for most available rebates to offset the replacement cost! | **SEER2 15.2-17.7** | **1.5-5 Tons** | **R-454B**

Data sources: Midea EVOX Gen2 Lite AHU submittal (R454B Multi-Position AHU Lite 18-60K). Cooling/Heating Capacity per AHRI rating. Heating at 5°F Rated Capacity = Heat Pump only (H42 rating, without backup elements); 5°F heating COP not published in submittal — COP row shows 47°F rating per AHRI 210/240-2023. Pipe length/height difference per submittal (varies by model: 98.4-246 ft / 65.6-98.4 ft). Outdoor sound levels at 3/5/7/9/15 ft: see submittal full table.

EASY UPGRADE BEGINS HERE

Bring Better Heat Pump Comfort Home.

Talk with a qualified Midea dealer about the Gen2 Lite system that fits your home, comfort goals, and local climate.



Six capacities. One easier path forward.

Choose from 18K through 60K matched systems for a home-comfort solution sized by your Midea dealer.

EXTENDED WARRANTY
For residential applications, original purchasers receive an extended 12-year parts & compressor warranty.

STANDARD WARRANTY
For residential applications, original purchasers receive a standard 5/7 year parts & compressor warranty.

(If your product is properly registered with us within 60 days of the date of installation)

AHRI CERTIFIED® www.ahridirectory.org
Packaged Terminal HP
AHRI Standard 310/380

Learn More About Midea

Explore the right system for your home with a qualified Midea dealer.

www.mideacomfort.us

www.mideacomfortna.ca

Product availability and specifications are subject to change without notice. Performance varies by model and application. Installation must be completed by a qualified professional. See current product and warranty documentation for details.