Midea®



EVOX
Inverter Heat Pump

Compact and versatile up to
18.0 SEER2 and 9.2 HSPF2*



Why Choose EVOX Inverter Heat Pump?

When you explore the Midea EVOX inverter heat pump, you'll discover the secret behind its efficient and reliable comfort: a dedication to top-notch quality. The unit's smooth-running compressor ensures quiet and dependable performance. Its galvanized steel casing offers solid protection against harsh elements like hail, stray balls, and lawn tools. Despite its tough exterior, the unit's compact design allows for easy installation on rooftops, under decks, on balconies, or even in a stacked configuration to serve larger or zoned spaces.







EFFICIENCY

SEER2 (Seasonal Energy Efficiency Ratio) and HSPF2 (Heating Seasonal Performance Factor) are similar to your car's miles per gallon (MPG) — the higher the rating, the more energy-efficient the system, which means greater potential savings. The EVOX inverter heat pumps offer efficiency starting at 14.7 SEER2 and 8.2 HSPF2.*

LIMITED WARRANTY

For the original owner, our EVOX Series heat pumps come with a 10-year limited warranty on parts when registered within the specified time frame. If registration is not completed within 90 days of installation, the limited warranty period is reduced to five years, except in areas where warranty benefits cannot be tied to registration.

ENVIRONMENT

Midea led the way in adopting clean refrigerant, an eco-friendly option that's safe for the ozone layer. Upgrading from an older, less efficient horizontal heat pump to an EVOX system not only helps lower your energy use but also reduces your environmental impact.

SOUND

The ultra-quiet design significantly reduces noise pollution both indoors and outdoors, fostering a more peaceful and comfortable atmosphere. With sound levels as low as 54 dBA, the EVOX model ensures a quieter, more enjoyable experience.

A Highly Efficient and Reliable System Perfect for Compact Outdoor Spaces



Heat Pump with Basepan Heater

Inverter-driven, variable speed, rotary compressor
Up to 18.0 SEER2
Up to 10.0 HSPF2
Sizes: 18 / 24 / 30 / 36 / 48 / 60

Key Features

Space-Saving Design
With its compact, low-profile outdoor unit, this system is the perfect choice for homes with limited outdoor space or zero lot lines.
Complete Home Solution
This versatile, energy-efficient system can seamlessly integrate with your existing setup, offering a convenient and effective way to upgrade your home's overall energy performance.

Controls

Integrated 24V interface for compatibility with third-party thermostat controls.

Optional Accessories

Electric heater kit
7-day programmable wired controller

Warranty*

10-year limited warranty on compressor and parts for the original purchaser with timely registration. Without registration, the warranty is 5 years. (*Terms and conditions apply.)

*For residential applications, see warranty for full details.

Sysytem Features

- Anti-corrosive fin coating
- Standard unitary line set sizes
- Quiet operation for minimal noise disruption

Outdoor Features

- Factory-installed basepan heater
- Factory-installed crankcase heater
- Low voltage controls
- Pre-installed 24V interface
- Options for standard heat and high heat
- Auto-restart function
- Condenser high-temperature protection

Indoor Features

- Operating modes: Cool, Heat, Dry, Fan, Auto
- 4-way installation: Upflow, Downflow, Right, Left
- New aluminum coil for improved performance
- Automatic airflow technology, supporting static pressure up to 0.8 inWG
- Less than 2% air leakage for efficiency
- Easy maintenance design for convenience

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OUTDOOR UNIT

Heat Pump (Extreme Heat)							
System							
Outdoor Size		1.5T-HH	2T-HH	2.5T-HH	3T-HH	4T-HH	5T-HH
Outdoor Model		DLFUAAH18XAK	DLCURAH24ABK	DLCURAH30ABK	DLCURAH36ABK	DLCURAH48ABK	DLCURAH60ABK
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
MCA	A.	16	20	23	30	40	42
Recommended Fuse Size	A.	20	25	25	35	45	45
Operating Range							
Cooling Outdoor DB Min - Max	°F (°C)	-22~130 (-30~55)	-22~130 (-30~55)	-22~130 (-30~55)	-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)	-22~86 (-30~30)	-22~86 (-30~30)	-22~86 (-30~30)
Refrigerant							
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Charge	lbs (kg)	5.07 (2.3)	6.39 (2.9)	8.38 (3.8)	10.36 (4.7)	10.58 (4.8)	10.58 (4.8)
Compressor							
Type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
Model		KTM240D57UMT	KTM240D57UMT	KTM310D43UMT	EAPQ420D1UMUA	EAPQ420D1UMUA	EAPQ440D1UMUA
Rated Current	RLA	10	15	16.5	32	33	28
Airflow & Sound							
Airflow	CFM	1,279	3,000	3,000	4,500	4,412	4,500
Sound Pressure	dB(A)	58	64	62	64	64	64
Cooling Rated Capacity	Btu/h	18,000	24,000	30,000	36,000	47,000	55,000
Cooling Cap. Range Min-Max	BTu/h	6900~21000	6400~27000	10400~33600	12000~47400	18000~48000	18000~56000
SEER		20.0	20.0	18.0	18.0	16.0	16.4
EER		12.5	12.5	11	10.5	8.5	9
Heating Rated Capacity (5°F)	W/W	19,000	24,000	28,500	43,300	47,000	50,000
Heating Cap. Range Min-Max	W/W	2800~21000	10100~31000	12000~37000	9000~57200	20000~55000	20000~68000
HSPF		11.0	12.0	10.5	10.5	10.0	10.5
COP (5°F)		1.90	1.80	1.95	1.80	1.88	1.96
M1 Ratings							
SEER		18.0	17.4	16.2	15.8	15.6	15.0
EER		12.4	11.7	9.8	9.8	8.2	8.5
HSPF2		9.3	10.0	8.9	9.5	9.4	9.0
COP (5°F)	W/W	2.00	1.85	1.80	1.95	1.90	1.96

AIR HANDLER

System							
Indoor Size		18K	24K	30K	36K	48K	60K
Indoor Model		DLFUAAH18XAK	DLFUAAH24XAK	DLFUAAH30XAK	DLFUAAH36XAK	DLFUAAH48XAK	DLFUAAH60XAK
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
MCA	A.	2.5	4	4.5	5	7.5	9
Recommended Fuse Size	A.	5	5	5	10	10	10
Operating Range							
Cooling Indoor DB Min - Max	°F (°C)	60~90 (16~32)	60~90 (16~32)	60~90 (16~32)	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)	32~86 (0~30)	32~86 (0~30)
Refrigerant							
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Indoor Coil							
Face Area	Sq. Ft.	3	3	3.8	3.8	3.8	4.88
Fins Per Inch		20	20	20	20	20	20
Circuits		6	6	10	10	10	14
Airflow & Sound							
No.of Fan Speeds (low/med/high/turbo)		4	4	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	906/1094/1282/1471	1135/1359/1582/1806
Cooling Sound Pressure (low to high)	dB(A)	30.5/31.4/33.4/35.2	33.6/36.6/38.7/40.4	37.7/41.3/43.0/45.6	40.2/43.2/45.7/48.0	42.5/47.1/50.3/54.0	45.0/49.1/52.1/55.3
Heating Sound Pressure (low to high)	dB(A)	29.8/30.7/34.0/35.3	32.4/36.9/39.6/40.6	29.5/36.9/43.0/43.2	35.6/40.7/46.8/46.7	43.7/46.8/50.2/52.7	43.4/48.0/53.0/60.5

A-COIL

System				
Indoor Size		24K	36K	48K
Indoor Model		DLFULAH24XBX	DLFULAH36XBX	DLFULAH48XBX
Dimension				
Dimension (W*D*H)	mm	445*533*457	533*533*609	622*533*711
Dimension (W*D*H)	inch	17.52*20.98*17.99	20.98*20.98*23.98	24.49*20.98*27.99
Packing (W*D*H)	mm	505*650*490	595*650*645	705*665*770
Packing (W*D*H)	inch	19.88*25.59*19.29	23.43*25.59*25.39	27.76*26.18*30.31
Net/Gross weight	kg	19.4/23.6	30.2/35	39.3/44.6
Net/Gross weight	lb	42.77/52.03	66.58/77.16	86.64/98.33

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