

mission pro

Save Energy with Midea
INVERTER QUATTRO Technology

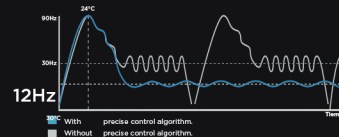
Up to
25 SEER

α Precise Control Algorithm

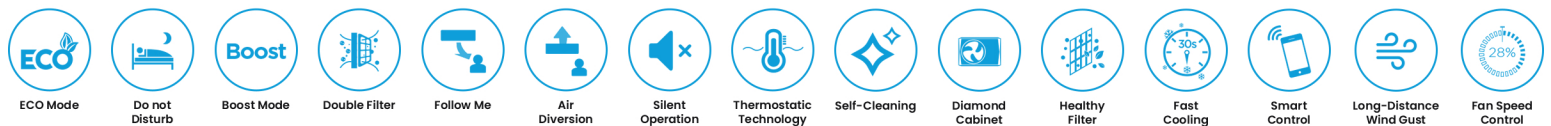
Midea's fourth-generation Precise Control Inverter Deduction algorithm enables the microchip to perform more precise signal capture and data calculations. This enables more precise control over the Inverter Quattro™ compressor's power consumption, thus avoiding energy waste.



**Ultra-low frequency,
Ultra-stable**



Main Functions



Professional installation required - 110v & 220v AC applications
Consult an HVAC service professional for details.

OLDACH
REFRIGERATION, AIR CONDITIONING & VENTILATION SUPPLIER

TECHNICAL SPECIFICATIONS

		Indoor Outdoor	MSEP-12CFN8AC MOX2-12CFN8AC	MSEP-18HFN10AE MOX4-18HFN10AE	MSEP-24HFN10AE MOD-24HFN10AE
	Power Supply	V-Ph-Hz	208~230V / 1Ph / 60HZ	208~230V / 1Ph / 60HZ	208~230V / 1Ph / 60HZ
Cooling	BTU Capacity	BTU/hr	12,500	18,000	24,000
	Input	W	992	1417	1714
	Current	A	4.31	6.16	7.45
	EER2	BTU/hr/W	12.60	12.70	14.00
	SEER2	BTU/hr/W	25.0	23.5	23.0
Cooling at 5 F (-15°C)	Rated Capacity	BTU/hr	-	19000	28500
Cooling at 109 F (43°C)	Rated Capacity	BTU/hr	12000	14700	23100
Cooling (B2)	Rated Capacity	BTU/hr	-	19700	26000
	EER	BTU/hr/W	-	16	18.55
Moisture Removal	L/h	-	-	-	2.17
Minimum Circuit Ampacity (Indoor)	A	3	3.0	3.0	3.0
Max. Fuse (Indoor)	A	15	15	15	15
Minimum Circuit Ampacity (Outdoor)	A	12	18	18	24
Max. Fuse (Outdoor)	A	15	20	20	25
Compressor	Capacity	W	2020/3245 ±3%	4315	4780/7600
	Input	W	332/850 ±3%	1090	805/2045
	Rated Current (RLA)	A	6.7	10.0	15.4
Indoor Fan Motor	RLA	A	0.5	0.8	1.32
	Fan Speed (Hi/Mi/Lo)	Rev / Min	1150/950/870	1190/994/896	1000/850/630
Indoor Unit	Indoor Air Flow (Turbo/Hi/Mi/Lo)	CFM	417.65/335.29/229.41/176.47	635.29/502.94/361.76/294.12	718.82/611.18/414.12/318.82
	Indoor Noise Level (Hi/Mi/Lo)	dB(A)	35.5/30.5/28.5	45/39/28	43.5/39.5/21.5
	Dimension (W*D*H)	inch	31.30 x 8.86 x 11.61	37.99 x 9.41 x 12.56	44.88 x 10.83 x 14.57
	Packing (W*D*H)	inch	34.25 x 14.57 x 12.01	41.14 x 15.75 x 12.80	48.43 x 17.91 x 13.98
	Net/Gross weight	lb	22.05/28.22	27.34/36.60	43.65/55.56
Outdoor Fan Motor	RLA	A	0.7	0.9	1.0
	Speed	Rev / Min	780/700/600	780/700/550	810/450
	Outdoor Air Flow	m3/h	2100	3000	3800
Outdoor Unit	Outdoor Air Flow	CFM	1235.29	1764.71	2235.29
	Outdoor Noise Level	dB(A)	53	58	58
	Throttle Type	/	(Capillary)	(EXV+Throttle valve)	(EXV+Throttle valve)
	Dimension (W*D*H)	inch	30.12 x 11.93 x 21.85	35.04 x 13.46 x 26.50	37.24 x 16.14 x 31.89
	Packing (W*D*H)	inch	34.92 x 13.27 x 24.02	39.17 x 15.67 x 29.13	42.91 x 19.69 x 34.84
Refrigerant Piping	Net/Gross Weight	lb	47.84/53.35	92.59/100.31	122.13/132.28
	Refrigerant	Type	R32	R454B	R454B
	Refrigerant Charge	oz	18	48	71
	Additional Charge / Meter	g/m	12	15	30
	Additional Charge Per ft.	oz/ft	0.13	0.16	0.32
Refrigerant Piping	Design Pressure	PSIG	550/340	550/340	550/340
	Liquid Side / Gas Side	inch	1/4in / 1/2in	1/4in / 1/2in	3/8in / 5/8in
	Max. Refrigerant Pipe Length	ft	82.02	98.42	164.04
	Max. Difference in Level	ft	32.81	65.62	82.02
	Connection Wiring	Type	#16 x 4//	#14 x 4//	#14 x 4//
Room Temperature	Indoor (Cooling)	°F	60.8 / 89.6	60.8 / 89.6	60.8 / 89.6
		°C	(-)59 / 122	(-)77 / 122	(-)77 / 122

ADDITIONAL FEATURES



Dustproof



Moisture-proof



Insect Repellent

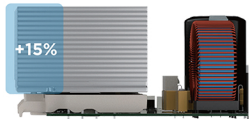


Low Temperatures Resistant



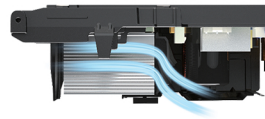
High Temperatures Resistant

MAIN FUNCTIONS AND FEATURES



Maximum Heat Dissipation

The total surface area of the heat sink has been increased by 15% for maximum heat dissipation and stable performance.



Innovative Fan Design

Midea's patented dual-outlet fan can eliminate more heat, protecting against damage caused by high temperatures generated by continuous work.

For 115V alternating current



For 230V alternating current



Higher Voltage Range

In areas with 230V power supply, Midea offers a wide operating voltage range, from 150V to 270V; while in areas with 115V, Midea's range extends from 100V to 150V. If the voltage falls outside this range, the Midea Inverter Air Conditioner will automatically shut off for protection and will resume operation once the voltage returns to a safe operating range.

Protection against voltage variations

The Midea Inverter Air Conditioner's printed circuit board (PCB) can withstand consecutive sudden voltage changes, thus preventing system failures due to frequent power on and off. This allows for constant cooling comfort even in areas with extremely unstable power supplies.



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