



# CONCEALED DUCT Inverter Series

*Residential & Light Commercial*

Timeless ducted systems from Midea. No need to change your living room layout, our inverter systems will blend easily to your existing ceiling ducted paneling hardware, but with a welcome to added modern energy efficiency. Convenience, simple installation and no-regrets ducted system from Midea!

- Simple
- Modern
- Practical

High Efficiency | Up to **21.5 SEER**



**MODELS:**  
MTIU-12HWFN1-M | MTIU-18HWFN1-M | MTIU-24HWFN1-M | MTI-36HWFN1-M  
MTI-48HWFN1-M | MHG-60HWFN1-M  
Requires professional installation - R410A Refrigerant - 220v Applications - Up to 21.5 SEER.  
Consult your Air Conditioning professional for more details. See reverse for product information.

**OLDACH** [www.oldachpr.com](http://www.oldachpr.com)  
REFRIGERATION, AIR CONDITIONING & VENTILATION SUPPLIER



Indoor		MTIU-12HWFN1-M	MTIU-18HWFN1-M	MTIU-24HWFN1-M	MTI-36HWFN1-M	MTI-48HWFN1-M	MHG-60HWFN1-M	
Outdoor		MOX230-12HFN1-MV5W	MOX430-18HFN1-MU0W	MOD-24HFN1-MTOW	MOD30U-36HFN1-M	MOD30U-48HFN1-M	MOD30U-60HFN1-M	
Power supply (Indoor)		208/230V, 1Ph, 60Hz	208-230V, 1Ph, 60Hz	208-230V, 1Ph, 60Hz	208-230V, 1Ph, 60Hz	208-230V, 1Ph, 60Hz	208-230V, 1Ph, 60Hz	
Cooling (Standard conditions)	Capacity (range)	12000(2100~13450)	18000	24000	36000	48000	60000	
	EER	12.5	12.5	12.5	9.0	9.2	10.0	
	SEER	21.5	20.5	21.5	16.5	17.4	18.0	
Cooling at 5 F (-15°C)	Rated capacity	12500	19000	24345	32380	44697	3420	
	MINIMUM CIRCUIT AMPACITY (Indoor)	A	3	25	50	50	0	
MAX.FUSE(Indoor)	A	15	15	15	35	35	0	
	Qty	1	1	1	1	1	1	
Indoor fan motor	Input	W	130.0	90.0	90	250	560	
	RLA	A	1.11	1.2	2	2	0	
	Speed(Hi/Mi/Lo)	r/min	1170/1030/850	850/700/450	880/820/690	1130/2050/990	1020/800/600	1060/910/790
Indoor air flow (Hi/Mi/Lo)	m <sup>3</sup> /h	600/480/300	900/765/630	1318.3/1178.2/739.3	1839/1551/1195	2088.3/1752.7/1214.9	3665/2906/2145	
Indoor air flow (Hi/Mi/Lo)	CFM	352.94/282.35/176.47	529.41/450.00/370.59	776.693-435	1082/913/703	1229/1032/715	2155.88/1709.41/1261.76	
Indoor noise level (Hi/Mi/Lo)	dB(A)	38/34.5/31	42/38/35.5	44/41/34	45.5/42/38.5	50.5/48.5/46	57/54/51	
	Dimension(W*D*H)	mm	700x506x200	880x674x210	1100x774x249	1360x774x249	1200x874x300	1400x858x440
Indoor unit	Dimension(W*D*H)	inch	27.56x19.92x7.87	34.65x26.54x8.27	43x30x10	54x30x10	47.24x34.41x11.81	55.12x33.78x17.32
	Packing (W*D*H)	mm	860x540x285	1070x725x280	1305x805x305	1570x805x305	1405x915x355	1605x910x515
	Packing (W*D*H)	inch	33.86x21.26x11.22	42.13x28.54x11.02	51x32x12	32x32x12	55.31x36.02x13.98	63.19x35.83x19.88
	Net/Gross weight	kg	17.8/22	25.1/30.4	39.4/46.7	48.3/55.5	54.3/64.3	74/86
	Net/Gross weight	lb	39.24/48.50	55.34/67.02	87/103	106/122	54.3/64.3	163.14/189.60
Drainage water pipe dia	mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	ODΦ25mm	
<b>OUTDOOR MODEL</b>		<b>MOX230-12HFN1-MV5W</b>	<b>MOX430-18HFN1-MU0W</b>	<b>MOD-24HFN1-MTOW</b>	<b>MOD30U-36HFN1-M</b>	<b>MOD30U-48HFN1-M</b>	<b>MOD30U-60HFN1-M</b>	
Compressor	Type	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	
	Capacity	W	2035/3255	4315	24345	32380	44697	
	Input	W	325/826	1090	1970	2600	3420	
	Rated current(RLA)	A	6.4	12	7	5.1	6.85	
	Refrigerant oil/oil charge	ml	ESTER OIL VG74 310	ESTER OIL VG74 440	POE (VG74)/1000	POE (VG74)/1000	ESTER OIL VG74 1400	ESTER OIL VG74 1400
Speed	RLA	A	0.4	0.76	0.6	1.0	1.2	
	r/min	800/600	810/720	810	950	900	900/800	
Outdoor air flow	m <sup>3</sup> /h	2200	3500	4000	4300	7600	7500	
Outdoor air flow	CFM	1294.12	2058.82	2354	2530	4470	4411.76	
Outdoor noise level	dB(A)	53.5	60	59.0	64.0	63.0	64.0	
	Dimension(W*D*H)	mm	765x303x555	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333
Outdoor unit	Dimension(W*D*H)	inch	30.12x11.93x21.85	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48
	Packing (W*D*H)	mm	887x337x610	995x398x740	1090x500x875	1090x500x875	1095x495x1480	1095x495x1480
	Packing (W*D*H)	inch	34.92x13.27x24.02	39.17x15.67x29.13	42.91x19.69x34.45	42.91x19.69x34.45	43.11x19.49x58.27	43.11x19.49x58.27
	Net/Gross weight	kg	28.9/31.3	42.8/45.8	64/69	67.4/73	101/115	102.1/115.4
	Net/Gross weight	lb	63.71/69.00	94.36/100.97	141.09/152.12	148.59/160.94	222.66/253.53	102.1/115.4
Refrigerant type		R410A/1.08kg	R410A/56.44ozs	RA410A/82.9	R410A/108	RA410A/148	RA410A/148	
Additional charge for each ft	oz/ft	0.16	0.16	0.32	0.32	0.32	0.32	
Design pressure	PSIG	550/340	550/340	550/340	550/340	550/340	550/340	
Refrigerant piping	Liquid side/ Gas side	mm(inch)	6.35mm(1/4in)/12.7mm(1/2in)	6.35mm(1/4in)/12.7mm(1/2in)	9.52mm 15.9(3/8"/5/8")	9.52mm 15.9(3/8"/5/8")	9.52mm 15.9(3/8"/5/8")	9.52mm (3"/8") 19mm (3"/4"1)
	Max. refrigerant pipe length	m	25	30	50	65	65	
	Max. refrigerant pipe length	ft	82.02	98.42	164	213	213	
	Max. difference in level	m	10	20	25	30	30	
	Max. difference in level	ft	32.81	65.62	82	98	98	

➤ Highly efficient heat exchange for complete contranant flow.

➤ Left & right-hand piping connections are optional, flexible installation.

➤ Large range of available static pressure.

➤ Wired controller is optional.

