

High-Efficiency Rooftop Package Units



UNIT NUMBERING:

M R B - 24 C W N1 - M 13

M	Midea
R	R: Rooftop Package
B	Product Design Series – A: 1st Design, B: 2nd Design, C: 3rd Design, D: 4th Design
24	Cooling Capacity (x1000Btu/h)
C	Function Mode – C: Cooling Only, H: Heat Pump
W	Controller – W: Wired Controller
N1	Refrigerant – N1: R410A
M	Power Supply – M: 208/230V, 60Hz 1PH, X: 208/230V, 60Hz, 3PH
13	SEER Rating – 13, 14 or 16

Features

- Wide-capacity range in both cooling-only and heat pump models.
- High-efficiency 13 and 14 SEER ratings.
- Architecturally compatible, anti-rust steel cabinets. 1,000-hour salt spray tested.
- Removable bottom for side- or bottom-return applications.
- High-efficiency compressors operate smoothly, quietly, consistently.
- Internal safeguards protect compressor against high pressure, low pressure, coil temperature and power surge. (heat pump only)
- Reliable thermostatic operation, with either Midea or many other brand-name controls.
- G90 galvanized heavy gauge plate conforms to ASTM A 653.
- All coils tested to 450 psig.
- Auxiliary electric heaters (5kW, 7.5kW, 10kW, 15kW, 20kW, 25kW) with optional adapters and thermostats.
- ARI Certified and ETL Listed.

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Single Phase (1Ph) 14 SEER Rooftop Package - Specifications

MODEL		MRB-24CWN1-M14	MRB-24HWN1-M14	MRB-30CWN1-M14	MRB-30HWN1-M14	MRB-36CWN1-M14	MRB-36HWN1-M14	
Power supply	V-Ph-Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	
Cooling	Capacity	Btu/h	23600	23400	29000	28600	35800	36000
	SEER		14	14	14	14	14	14
Heating	Capacity	Btu/h	N/A	21600	N/A	28800	N/A	36000
	HSPF		N/A	7.7	N/A	8	N/A	8
MCA	AMPS	19.3	19.3	19.4	20.8	24.5	24.5	
MOP	AMPS	30	30	30	30	40	40	
Compressor	Model	ZP20K5E-PFV-130	ZP20K5E-PFV-130	ZP25K5E-PFV-130	ZP25K5E-PFV-130	ZP31K5E-PFV-130	ZP31K5E-PFV-130	
	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
	Supplier	Copeland	Copeland	Copeland	Copeland	copeland	Copeland	
	Rated current (RLA)	AMPS	13.5	13.5	14.1	14.1	16.7	16.7
	Locked rotor Amp (LRA)	AMPS	58	58	73.0	73.0	79	79
Indoor fan motor	Model	YDK150-6E	YDK150-6E	YDK195-6E	YDK195-6E	YDK270-6E	YDK270-6E	
	Type	ODP	ODP	ODP	ODP	ODP	ODP	
	Motor HP	1/4	1/4	1/3	1/3	1/2	1/2	
	Capacitor	uF	10	10	10	10	10	
	RPM		1075	1075	1075	1075	1075	
Side supply /Side return duct dimensions (WxD)	inch	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	
Bottom supply /Bottom return duct dimensions (WxD)	inch	15x15	15x15	15x15	15x15	15x15	15x15	
Outdoor fan motor	Model	YDK60-6G-1	YDK60-6G-1	YDK110-8G-1	YDK110-8G-1	YDK110-8G-1	YDK110-8G-1	
	Type	PSC	PSC	PSC	PSC	PSC	PSC	
	Output	HP	1/12	1/12	1/6	1/6	1/6	1/6
	Capacitor	uF	6	6	6	6	6	6
	RPM		1075	1075	825	825	825	825
Outdoor sound level (sound pressure level)	dB(A)	25	56	60	60	58	57	
Outdoor unit	Dimension (WxHxD)	mm	1920x714x1068	1920x714x1068	1920x714x1068	1920x714x1068	1920x714x1068	
	Packing (WxHxD)	inch	75-5/8x28-1/8x42	75-5/8x28-1/8x42	75-5/8x28-1/8x42	75-5/8x28-1/8x42	75-5/8x28-1/8x42	75-5/8x28-1/8x42
	Net/Gross weight	Lbs.	410/419	419/428	423/441	441/450	423/441	441/450
Shipping(40HQ)		36	36	36	36	36	36	

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Single Phase (1ph) 14 SEER Rooftop Package - Specifications (Continued)

MODEL		MRB-42CWN1-M14	MRB-42HWN1-M14	MRB-48CWN1-M14	MRB-48HWN1-M14	MRB-60CWN1-M14	MRB-60HWN1-M14	
Power supply	V-Ph-Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230-1Ph-60Hz	208/230-1Ph-60Hz	
Cooling	Capacity	Btu/h	42000	42000	48000	48000	59500	60000
	SEER		14	14	14	14	14	14
Heating	Capacity	Btu/h	N/A	42000	N/A	48000	N/A	59000
	HSPF		N/A	8	N/A	8	N/A	8
MCA	AMPS	27	27.7	32.6	32.6	38.7	38.7	
MOP	AMPS	40	40	50	50	60	60	
Compressor	Model	ZP36K5E-PFV-130	ZP36K5E-PFV-130	ZP42K5E-PFV-130	ZP42K5E-PFV-130	ZP51K5E-PFV-130	ZP51K5E-PFV-130	
	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	
	Supplier	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	
	Rated current (RLA)	AMPS	17.9	17.9	21.8	21.8	26.4	26.4
	Locked rotor Amp (LRA)	AMPS	112	112	117	117	134	134
	Model	YDK450-6E	YDK450-6E	YDK400-6E	YDK400-6E	WZDK735-38G	WZDK735-38G	
Indoor fan motor	Type	ODP	ODP	ODP	ODP	ODP	ODP	
	Motor HP	3/4	3/4	3/4	3/4	1	1	
	Capacitor	uF	15	15	20	20	20	
	RPM		1075	1075	1075	1075	1075	
	Side supply /Side return duct dimensions (WxD)	inch	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2	14-1/2x14-1/2
Bottom supply /Bottom return duct dimensions (WxD)	inch	15x15	15x15	15x15	15x15	15x15	15x15	
Outdoor fan motor	Model	YDK110-8G-1	YDK230-6G-1	YDK230-6G-1	YDK230-6G-1	YDK230-6G-1	YDK230-6G-1	
	Type	PSC	PSC	PSC	PSC	PSC	PSC	
	Output	HP	1/6	1/3	1/3	1/3	1/3	
	Capacitor	uF	6	15	15	15	15	
	RPM		825	1075	1075	1075	1075	
Outdoor sound level (sound pressure level)	dB(A)	60	62	65	62	63	65	
Outdoor unit	Dimension (WxHxD)	mm	1920x840x1068	1920x840x1068	1920x840x1068	1920x840x1068	1920x840x1068	
	Packing (WxHxD)	inch	75-5/8x33x42	75-5/8x33x42	75-5/8x33x42	75-5/8x33x42	75-5/8x33x42	
	Net/Gross weight	Lbs.	469/505	505/514	496/505	505/514	507/516	516/525
Shipping(40HQ)		36	36	36	36	36	36	

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GD Midea Refrigeration Equipment Co., Ltd.
Have received ISO 9001 certification for quality assurance.

Certificate Registration NO.01 100 019209



GD Midea Refrigeration Equipment Co., Ltd.
Have received environmental management system Standard ISO 14001 certification.

Certificate NO.CC 1417

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