



Product news

Midea central air conditioner improved performance and operation

July 2019 | Ref. 002

Midea CAC New generation AC Ceiling & Floor Fan Coil Units

Midea is pleased to announce that the new generation AC Ceiling & Floor Fan Coil Units would be launched on Sept 30th 2019. The new generation units will be available in 3-row/4-row models as well as with/without cabinets and thereby covering the requirements for all customers. Moreover, the width of the units has also been reduced to a great extent (only 200 mm).

1. Product Lineup

Appearance	Series	Model name
	3-row	MKH2-150-R3
		MKH2-250-R3
		MKH2-300-R3
		MKH2-500-R3
		MKH2-700-R3
		MKH2-800-R3
	4-row	MKH2-150-R4
		MKH2-250-R4
		MKH2-300-R4
		MKH2-500-R4
		MKH2-700-R4
		MKH2-800-R4

Notice: 1. Footings should be purchased separately from manufacturer.

2. The without cabinet series should be customized.

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1. Specifications

Model		MKH2-150-R3	MKH2-250-R3	MKH2-350-R3	MKH2-500-R3	MKH2-700-R3	MKH2-800-R3	
Power supply		V/Ph/Hz 220-240/1/50						
Air flow (H/M/L)		m ³ /h	255/165/142	400/273/180	595/447/319	790/560/392	1190/855/555	1300/1088/782
		CFM	150/97/84	235/161/106	350/263/188	465/330/231	700/503/327	765/641/461
External static pressure		Pa 0						
Cooling	Capacity (H/M/L)	kW	1.65/1.22/1.09	2.65/2.02/1.40	3.85/3.19/2.46	4.65/3.80/2.92	6.00/5.03/3.71	7.35/6.51/5.15
	Water flow rate (H/M/L)	L/h	290/220/190	460/350/240	670/550/420	810/660/510	1050/860/630	1280/1150/890
	Water pressure drop (H/M/L)	kPa	14.89/8.82/6.97	15.75/9.77/4.79	38.23/27.11/16.96	53.31/37.53/23.73	53.79/36.96/21.16	42.27/34.48/21.67
Heating	Capacity (H/M/L)	kW	1.85/1.29/1.13	3.05/2.24/1.52	3.70/2.97/2.25	4.35/3.44/2.62	6.15/4.92/3.49	8.20/7.09/5.46
	Water flow rate (H/M/L)	L/h	310/220/190	510/380/260	700/570/430	860/680/530	1180/940/680	1390/1200/900
	Water pressure drop (H/M/L)	kPa	14.01/7.61/6.15	16.19/9.48/5.01	35.52/24.83/14.91	52.00/34.23/21.33	57.85/38.53/21.10	43.91/33.56/19.67
Power input (H/M/L)		W	35/17/14	47/26/14	51/32/19	91/54/34	123/98/68	123/109/83
Rated current		A	0.18	0.20	0.26	0.49	0.85	0.95
Sound power level	(H/M/L)	dB(A)	47/35/34	46/37/31	52/44/36	59/51/43	63/56/45	62/58/50
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	3	3	3	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	495×200×790	495×200×1020	495×200×1240	495×200×1240	495×200×1360	591×200×1360
	Packing size (W×H×D)	mm	595×300×895	595×300×1125	595×300×1345	595×300×1345	595×300×1465	695×300×1465
	Net weight	kg	16.3	20.0	24.0	24.0	27.3	31.7
	Gross weight	kg	21.8	26.0	31.0	31.0	34.8	40.2
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Note:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7℃, leaving water 12℃, Entering air temperature 27℃ DB/19℃ WB.
Heating conditions: Entering water 45℃, leaving water 40℃, Entering air temperature 20℃ DB/15℃ WB.
3. Noise is tested in a reverberation chamber.

Product specification change from time to time as product improvements and developments are released and may vary from those in this document.

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continued:

Model		MKH2-150-R4	MKH2-250-R4	MKH2-350-R4	MKH2-500-R4	MKH2-700-R4	MKH2-800-R4	
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m ³ /h	255/192/139	425/284/184	595/450/319	800/574/404	1150/885/591	1300/1132/836
		CFM	150/113/82	250/167/109	350/265/188	471/338/238	676/521/348	765/667/492
External static pressure		Pa	0					
Cooling	Capacity (H/M/L)	kW	2.25/1.85/1.46	3.05/2.26/1.63	4.20/3.38/2.48	5.35/4.25/3.31	6.75/5.80/4.24	8.25/7.52/5.87
	Water flow rate (H/M/L)	L/h	390/310/250	530/390/270	720/570/430	920/740/580	1190/1000/720	1400/1280/1000
	Water pressure drop (H/M/L)	kPa	33.19/22.37/14.64	26.71/15.66/8.42	38.35/25.23/14.64	59.4/40.04/25.72	40.26/29.2/16.15	64.72/55.03/34.88
Heating	Capacity (H/M/L)	kW	2.35/1.87/1.40	3.15/2.09/1.38	4.10/3.25/2.39	5.70/4.36/3.22	7.15/5.81/4.04	8.50/7.60/5.72
	Water flow rate (H/M/L)	L/h	400/320/240	540/380/260	730/580/420	950/730/540	1270/1040/720	1450/1250/960
	Water pressure drop (H/M/L)	kPa	28.38/19.04/11.3	22.37/12.06/5.86	34.89/22.98/12.90	56.46/35.05/20.24	42.16/28.68/14.66	61.96/47.46/28.84
Power input (H/M/L)		W	40/24/15	47/26/14	51/32/19	91/54/35	110/89/64	118/104/82
Rated current		A	0.21	0.22	0.28	0.51	0.79	0.87
Sound power level	(H/M/L)	dB(A)	53/47/39	47/38/32	52/45/37	59/51/43	62/56/46	62/58/50
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	495×200×790	495×200×1020	495×200×1240	495×200×1240	495×200×1360	591×200×1360
	Packing size (W×H×D)	mm	595×300×895	595×300×1125	595×300×1345	595×300×1345	595×300×1465	695×300×1465
	Net weight	kg	16.7	20.8	25.4	25.4	28.5	34.0
	Gross weight	kg	22.2	26.8	32.4	32.4	36.0	42.0
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
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3. Main Features

- Flexible for installation, designed for right/left connection, concealed/cabinet application, can be changed on site.
- AC motor.
- Three speed fan motor.
- Slim Design; the width of units is only 200mm.

4. Technical Data

All involved documentation will be finished before October 31th, 2019.