

Midea CAC The 3rd Generation 3-Row Ductable Fan Coil Unit - New product Notice

We are pleased to announce the new product – The 3rd Generation 3-Row Ductable Fan Coil Unit.



MKT3-200G12/G30/G50 MKT3-300G12/G30/G50 MKT3-400G12/G30/G50 MKT3-500G12/G30/G50 MKT3-600G12/G30/G50 MKT3-1000G12/G30/G50 MKT3-1200G12/G30/G50

For widen product lineup and better satisfying the market, Midea has launched the 3rd generation 3-row ductable fan coil units for the global market. The 3rd generation 3-row ductable type has more choices on static pressure, capacity and other functions for customers.

Technical Support, CAC Operation Department, The International Division, Midea Air-Conditioning and Refrigeration Sector, TID MARS, Midea headquarter building, No.6 Midea Avenue, Beijiao, Shunde, Foshan, Guangdong, Postal code: 528311



Midea central air conditioner improved performance and operation

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1) Main Features

- **4** Nested in the ceiling, space-saving and noble.
- ↓ Air return from the rear or below for increased installation flexibility.
- ↓ Unit constructed by electrostatic galvanized sheet, providing maximum protection against corrosion.

2) Main improvement

- Wider capacity range: 200~1400CFM, adding1400CFM compared with the 2nd generation 3-row ductable type
- Wider external static pressure supplying. Three external static pressure (12Pa/30Pa/50Pa) settings for added flexibility
- Air inlet and air outlet both with flange
- Lower noise for larger fin spacing. The fin spacing of 3rd generation 3-row ductable type is 2.2mm, 2nd generation is 1.8mm
- Higher efficient heat exchange for complete contranatant flow type.



• Filter can be extracted in upward/downward/leftward/rightward way





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• Four-speed motor with an optional reserved speed for more choice

For below wiring diagram: Black-Supper high speed, Orange-High speed, Blue-Middle speed, Yellow-Low speed.



For 30Pa series Supper high speed is reserved, the wiring connection is shown as right

For 12Pa and 50Pa series High speed is reserved, the wiring connection is shown as left



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• Symmetrical structural design. Pipe connection form left or right can be exchanged conveniently by exchanging fan ass'y and outflow flange for the symmetrical structural design



• Optimized partition board through finite element analysis



• Connection type for duct and flange is optional. Duct can be connected with air outlet flange in two different directions, as shown in below figure, the connection type can be in red arrowhead way or in blue arrowhead way



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• The gradient design for air outlet flange which has applied for patent has been authorized, it can solve the abnormal sound from fin efficiently



• Fresh air provision makes life healthier and more comfortable



• Eurovent certified performance



You can get the eurovent information of our products from the website:

http://www.eurovent-certification.com



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3) Basic Specification

Model MKT3-			200G12 200G30 200G50	300G12 300G30 300G50	400G12 400G30 400G50	500G12 500G30 500G50	600G12 600G30 600G50		
Air Volume (Hi/Med/Lo)		m ³ /h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510		
Cooling Capacity		W	2200	3100	4000	4600	5800		
Heating Capacity		W	3500 5300 6800		7900	9800			
Standard External Static Pressure		Pa	12/30/50						
Power Input	12	W	33	53	66	87	100		
	30	W	49	64	75	93	114		
	50	W	51	76	89	111	128		
Noise (Hi/Med/Lo)	12	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32		
	30	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35		
	50	dB(A)	45/40/35	47/42/37	48/43/38	49/44/39	49/44/40		
Coil	Row		3						
	Working Pressure	MPa	1.6						
Indoor Unit	Net Dimension (W×H×D)	mm	757×241×526	812×241×526	912×241×526	912×241×526	1135×241×526		
	Net Weight	kg	18	21	23	23	27		
Pipe	Water inlet/outlet pipe	Inch	RC3/4" internal thread						
	Drainage pipe	Inch	ZG3/4" external thread						

	Model MKT3-	800G12 800G30 800G50	1000G12 1000G30 1000G50	1200G12 1200G30 1200G50	1400G12 1400G30 1400G50			
Air Volume (Hi/Med/Lo)		m ³ /h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190		
Cooling Capacity		W	8200	9000	11000	12500		
Heating Capacity		W	13600	16000	20100	21000		
Standard External Static Pressure		Pa	12/30/50					
Power Input	12	W	145	180	210	222		
	30	W	154	180	220	278		
	50	W	174	225	271	335		
Noise (Hi/Med/Lo)	12	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38		
	30	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39		
	50	dB(A)	49/45/40	50/45/40	51/46/41	51/46/42		
Coil	Row		3					
	Working Pressure	MPa	1.6					
Indoor Unit	Net Dimension (W×H×D)	mm	1435×241×526	1540×241×526	1830×241×526	1992×241×526		
	Net Weight	kg	36	41.5	47.5	49.5		
Pipe	Water-inlet/outlet pipe	Inch	RC3/4" internal thread					
	Drainage pipe	Inch	ZG3/4" external thread					

Note: 1. The data is the performance in high speed with relevant static pressure.

2. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB,19°CWB.

Heating Conditions: Entering Water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.

3. Noise is tested in full-anechoic test room.



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4) Nomenclature



5) Technical data

All technical information and manuals on the new 3-row ductable type chiller water Fan Coil Units are now under preparing, and will be available on October 20th, 2011.

6) Price information

Get the price information from Midea local office or Branch Company.

7) Timing of mass production

The New product will be available on Sept. 20th.