

Midea®

Fan Coil Units

kubic®

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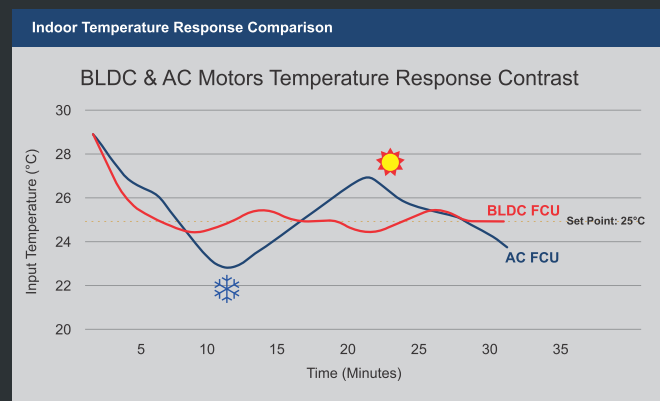
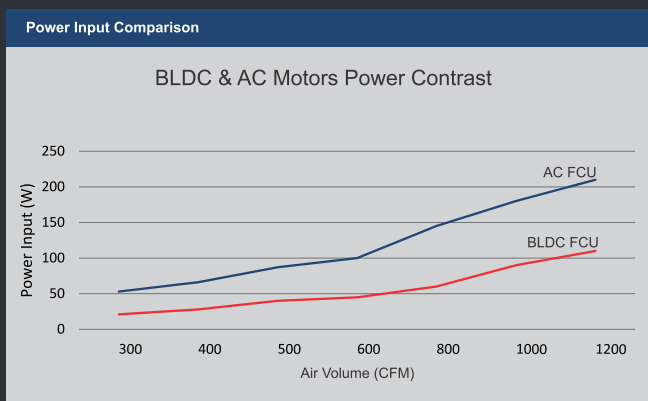
*This app can help calculate savings and payback period when using Midea BLDC Fan Coil Units.*

# BLDC Fan Coil Units

## Brushless DC Motor Technology

Midea BLDC FCU are the latest and widest range of energy saving smart Fan Coil Units. As always, Midea has pioneered the introduction of this latest in global technology to India. BLDC FCU are a product of the future, providing for lower energy consumption, lower noise levels, higher green ratings and greater flexibility of design.

## BLDC Motor



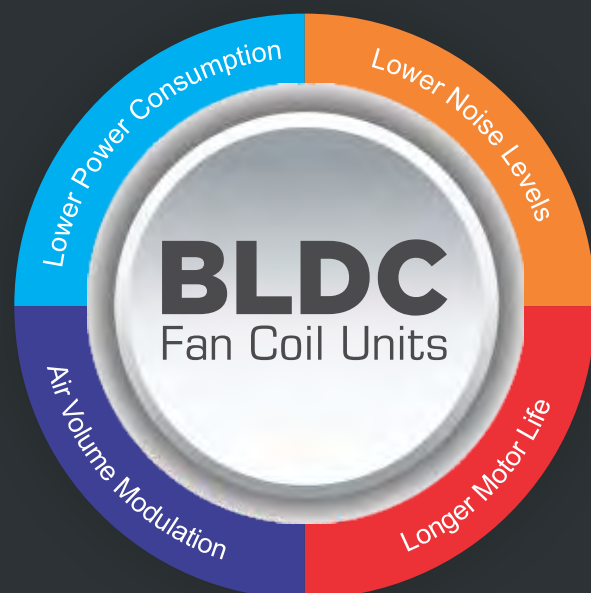
Midea BLDC FCU adopts a brushless DC motor with permanent magnets, efficiency upto 90%, input power reduced by 40% and more & air temperature turbulence less than 0.5°C. The DC brushless motor runs according to the actual load to achieve constant indoor temperature and the control accuracy can arrive at  $\pm 0.5^{\circ}\text{C}$ .

## Low Noise

BLDC motor adopts electronic commutation instead of mechanical reverse which dispels the friction between electric brush and motor. This results in noise reduction between 1 to 3dB(A) compared with normal AC motor. The unit can run under very low speed so the noise level is reduced even more under part load running.

## Bearing Life up to 80000 hours

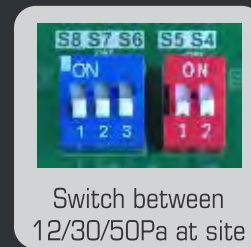
The BLDC motor adopts fully enclosed structure design, with high operating efficiency and durability. The motor bearing can operate 80,000 hours continuously, and is easy to maintain.



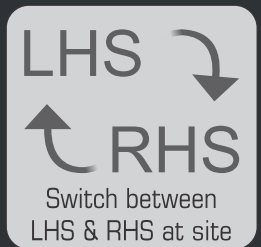
# BLDC Ceiling Concealed FCU



- Capacity Range: 200 CFM - 1200 CFM
- Both air side and water side modulation possible
- 3-Row / 4-Row / 4-Pipe design optional
- Lower noise level, huge power savings, quick payback
- Panasonic make BLDC motor



Switch between 12/30/50Pa at site



Switch between LHS & RHS at site

## 3-Row FCU

Model			MKT3-V400-C	MKT3-V600-C	MKT3-V700-C	MKT3-V800-C	MKT3-V1000-C	MKT3-V1200-C	MKT3-V1400-C
Airflow	(12,30,50Pa) (H/M/L)	CMH	734/584/436	1022/810/552	1190/1015/806	1400/1082/816	1650/1201/746	1750/1222/912	2250/1952/1675
Cooling Capacity	(H/M/L)	kW	4.25/3.69/2.88	5.85/4.88/3.66	6.50/6.04/5.09	8.02/6.65/5.37	9.05/7.10/4.97	10.08/7.25/6.02	11.11/10.58/9.77
Heating Capacity	(H/M/L)	kW	5.0/4.31/3.36	6.90/5.66/4.21	7.60/6.96/5.81	9.40/7.36/5.85	11.0/8.02/5.41	11.83/8.32/6.78	12.67/11.98/10.59
Water Flow Rate	(H/M/L)	L/h	0.76/0.63/0.49	1.00/0.84/0.65	1.19/1.05/0.91	1.36/1.17/0.94	1.58/1.26/0.88	1.69/1.44/1.16	2.02/1.84/1.71
Water Pressure Drop	(H/M/L)	kPa	19.0/14.7/9.4	34.0/26.5/16.9	22.0/19.0/15.6	32.0/26.1/18.1	32.0/22.0/11.7	27.0/20.7/14.0	33.0/29.3/25.9
Power Input		W	39/33.5/26	45.5/39.5/30	47/41/36	45.5/39/32	50.5/42/30	45.5/38.5/29.5	49/46/42.5
Noise Level (NC)	(12Pa) (H/M/L)		35/22/13	65/36/19	75/52/33	70/42/22	119/54/19	119/54/29	119/90/64
Dimensions	WxHxD	mm	908x243x482	1003x243x482	1178x243x482	1368x243x482	1368x243x482	1658x243x482	1898x243x482

## 4-Row FCU

Model			MKT4-V300	MKT4-V400	MKT4-V500	MKT4-V600	MKT4-V800	MKT4-V1000	MKT4-V1200
Airflow	(12,30,50Pa) (H/M/L)	CMH	510/385/255	680/510/340	850/640/425	1020/765/510	1360/1020/680	1700/1275/850	2040/1530/1020
Cooling Capacity	(H/M/L)	kW	3.3/2.85/2.47	4.4/3.72/3.22	4.8/4.18/3.64	6.2/5.38/4.65	8.8/7.43/6.57	9.5/8.18/7.06	11.8/9.82/8.74
Heating Capacity	(H/M/L)	kW	5.8/5.05/4.35	7.1/6.11/5.33	8.5/7.04/6.28	10.5/9.03/7.77	14.5/12.38/10.88	16.3/13.45/12.05	20.1/16.72/14.88
Water Flow Rate	(H/M/L)	L/h	568	757	826	1066	1514	1634	2030
Water Pressure Drop	(H/M/L)	kPa	4.8	9.3	9.6	18.8	12.5	14.5	23.1
Power Input		W	26	38	48	54	74	99	135
Noise Level (NC)	(12Pa) (H/M/L)		33/29/22	34/31/23	34/31/24	35/32/25	37/33/26	38/35/28	40/36/29
Dimensions	WxHxD	mm	841x241x522	941x241x522	941x241x522	1161x241x522	1461x241x522	1566x241x522	1856x241x522



# BLDC Chilled Water Cassettes



New 360° round air flow



Self contained valve station

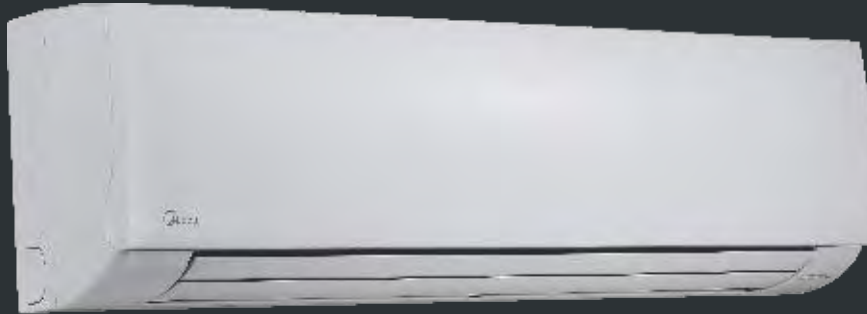
- Capacity Range: 300 CFM - 1500 CFM
- Lower noise levels, huge power savings
- New 360° Round Flow Panel
- 2-pipe and 4-pipe coils available
- Available with BMS connectivity
- Individual louver control
- 7-speed DC fan for perfect comfort
- Optional smart eye for energy saving and enhanced comfort

	Model		MKD-V300	MKD-V400	MKD-V500
Airflow	(H/M/L)	CMH	560/392/280	717/502/359	785/550/393
Cooling Capacity	(H/M/L)	kW	3.02/2.3/1.75	3.93/3.07/2.48	4.24/3.31/2.67
Heating Capacity	(H/M/L)	kW	4.1/3/2.22	5.34/4/3.15	6/4.76/3.06
Water Flow Rate	(H/M/L)	L/h	519	676	729
Water Pressure Drop	(H/M/L)	kPa	7.4	12	9.4
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Power Input		W	23	27	32
Noise Level (NC)	(H/M/L)		30/25/17	36/32/24	39/33/26
Dimensions-Indoor Unit	WxHxD	mm	575x261x575	575x261x575	575X261X575
Dimensions-Panel	WxHxD	mm	647x50x647	647x50x647	647X50X647

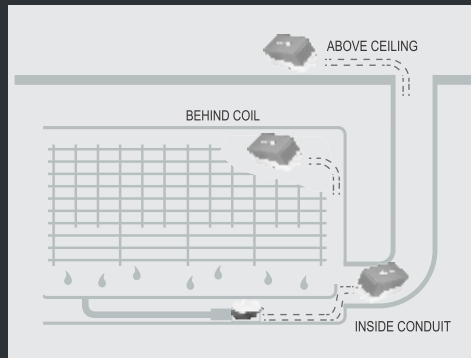


	Model		MKA-V600R	MKA-V850R	MKA-V950R	MKA-V1200R	MKA-V1500R	MKA-V1200RB	MKA-V1400RB
Airflow	(H/M/L)	CMH	1133/793/567	1441/1009/721	1494/1046/747	1596/1117/798	1850/1295/925	2040/1400/900	2550/1740/1130
Cooling Capacity	(H/M/L)	kW	5.58/4.35/3.52	6.84/5.33/4.30	6.99/5.27/4.16	7.01/5.32/4.34	10.64/8.09/6.60	10.6/8.6/6.1	11.1/9.0/6.5
Heating Capacity	(H/M/L)	kW	7.72/5.92/4.5	9.37/7.25/5.5	9.52/7.35/5.32	9.62/7.43/5.55	14.38/11.29/8.44	11.6/9.3/6.5	12.4/10/7.1
Water Flow Rate	(H/M/L)	L/h	960	1176	1202	1206	1830	2110	2330
Water Pressure Drop	(H/M/L)	kPa	21	27	25	23	36	45	55
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power Input		W	42	64	71	91	124	116	182
Noise Level (NC)	(H/M/L)		38/29/22	42/32/24	43/33/27	44/35/28	46/36/29	43/36/25	47/40/34
Dimensions-Indoor Unit	WxHxD	mm	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840	950X300X950	950X300X950
Dimensions-Panel	WxHxD	mm	950x45x950	950x45x950	950x45x950	950x45x950	950x45x950	1050X55X1050	1050X55X1050

# BLDC High Wall FCU



- Capacity Range: 0.75Tr to 3Tr
- 3-panel designs available
- No false ceiling required
- In-built 2 or 3 way control valve, condensate drain pump available
- LHS / RHS Drain outlet optional at site
- Available with BMS connectivity<sup>#</sup> (with built-in Modbus feature)



Optional Condensate Drain Pump



In-built control valve



	Model		MKG-V300-C	MKG-V400-C	MKG-V600-C	KUCX-VM24*	KUCX-VM36*	KUCX-VM60*
Airflow	(H/M/L)	CMH	510/427/349	680/550/504	1020/820/670	1116	1764	1944
Cooling Capacity	(H/M/L)	kW	2.97/2.48/2.06	3.28/2.90/2.66	5.00/3.95/3.21	6.1	8.0	10.1
Heating Capacity	(H/M/L)	kW	3.69/2.92/2.49	4.34/3.77/3.35	6.30/5.17/4.18	8.53	10.3	12.5
Water Flow Rate	(H/M/L)	L/h	454	530	765	1047	1374	1738
Water Pressure Drop	(H/M/L)	kPa	33.6	42	36.3	38.4	31.2	28.8
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power Input		W	14.3	33	37.5	46	128	142
Noise Level (NC)	(H/M/L)		28/24/21	32/28/25	36/32/27	39/36/31	43/42/41	40/39/38
Inlet Outlet Dia		mm	19	19	19	13	19	19
Drain Dia		mm	20	20	20	16	16	16
Dimensions	WxHxD	mm	915x290x230	915x290x230	1072x315x230	1150x315x230	1550x380x370	1550x380x370
Net Weight	WxHxD	kg	12	12	14.8	17	26	29

\*Kubic Make  
<sup>#</sup>KUCX-VM series for BMS connectivity

## BLDC One-Way Cassettes / BLDC Floor cum Ceiling FCU

- Capacity range: 300 CFM to 600 CFM
- Ultra-thin: Unit height only 206mm
- With / without forced fan on setting by PCB switch at site
- Auto mode and 7-speed Fan motor
- Centralised group control and BMS compatible



	Model		MKC-V300R-B	MKC-V400R-B	MKC-V600R-B
Airflow	(H/M/L)	CMH	510/432/330	630/509/428	1000/786/583
Cooling Capacity	(H/M/L)	kW	2.64/2.23/1.68	3.94/3.43/3.07	5.09/4.36/3.58
Heating Capacity	(H/M/L)	kW	3.85/3.27/2.53	4.86/3.94/3.24	6.49/5.30/4.01
Water Flow Rate	(H/M/L)	L/h	493/419/331	604/516/452	870/698/547
Water Pressure Drop	(H/M/L)	kPa	8.63/6.26/3.69	23.85/18.07/14.8	38.22/28.95/19.41
Power Input	(H/M/L)	W	22/18/14	23/19/17	38/27/19
Noise Level (NC)	(H/M/L)		40.3/36.3/29.5	32.6/28.6/26.4	40.6/34.6/29.1
Dimensions-Indoor Unit	WxHxD	mm	1055x169x425	1275x206x452	1275x206x452
Dimensions-Panel	WxHxD	mm	1181x60x466	1350x25x505	1350x25x505



- Flexible installation, designed for horizontal / vertical, concealed / exposed application
- High efficiency and low operating sound level
- Air return from side or bottom
- Movable louver makes wide angle air flow



### Midea MKH2/3/4 Row Ceiling & Floor Concealed Fan Coil Unit

Model			MKH2-V350-R3	MKH2-V700-R3	MKH2-V800-R3	MKH2-V800-R4
Airflow	(H/M/L)	CMH	595/470/340	1190/855/505	1360/1015/685	1300/980/680
External Static Pressure	MKH2/MKH3	Pa	0/10	0/10	0/10	0/10
Cooling Capacity	(H/M/L)	kW	3.5/2.89/2.22	5.6/4.47/3.14	7.35/6.1/4.57	8.25/6.65/4.84
Water Flow Rate	(H/M/L)	L/h				
Water Pressure Drop	(H/M/L)	kPa	34.1/24.6/15.4	50.7/33.4/17.7	44.1/33.7/19.4	71.4/46.1/25.4
Power Input	(H/M/L)	W	26/17/10	96/44/17	113/53/22	102/49/22
Noise Level	(H/M/L)	NC	52/44/36	64/56/45	63/58/50	63/57/47
Dimensions	WxHxD	mm	1240x200x495	1360x200x495	1360x200x591	1360x200x591
Net Weight		Kg	25.5	28.5	32.5	34.5

## Chilled Water Cassettes

- Eurovent Certified Performance
- Capacity Range: 300 CFM to 1500 CFM
- New 360° round flow panel
- Heating / Cooling compliant
- 4-speed motor, choose any 3
- Pressure Independent Valves Station available
- BMS compatible (with built-in Modbus feature)
- Fresh Air Provision – 600 CFM to 1500 CFM
- In-built Drain Pump with interlock arrangement
- Wired Controller for group control – optional
- Ducted flow diversion possible
- 4-pipe / aux. electric heater variants available
- Customised selection using Selection Software
- In-built Modulating feature available

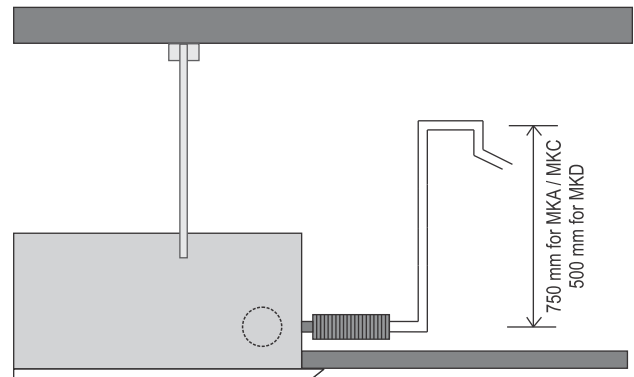


### Self-contained Valve Station



Control Valve, Actuator, Cable, Ball Valves, Strainer, Aux. Drain Tray, Copper pipe, Insulation, Unions, Washer...

### In-built Drain Pump



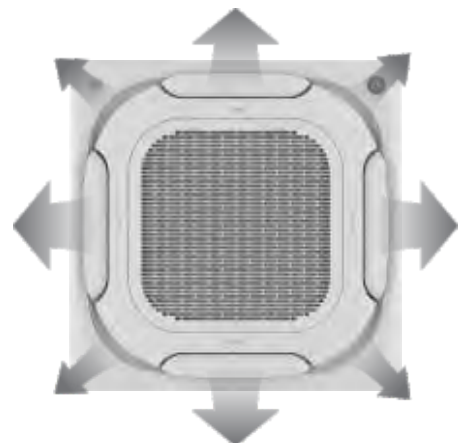
Recommended Drain pipe design.

### Fresh Air



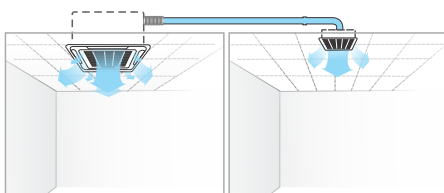
Fresh air can be led into the cassette via a connection pipe, making air quality healthier. 360° air outlet circulates air all around and provides even temperature distribution in the room.

### 360° Air Flow



With corner airflow for complete 360° area coverage

### Side Air Outlet



The unit can be connected to air duct from each side of the body to the nearby small room.



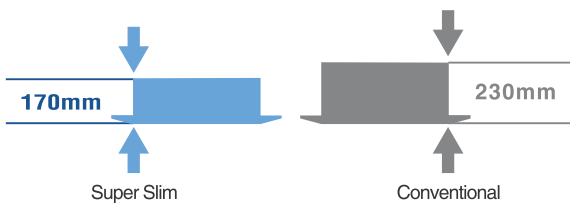


# One-way Chilled Water Cassette



- Super Slim Design; as low as 170mm
- Capacity Range: 300 CFM to 400 CFM
- In-built Drain-pump with interlock
- Cordless Remote Control
- Wired Controller for group control - optional
- Ideal for cabins and conference rooms

## Super Slim Design



## Pre-fitted Valve Station



Includes Auxiliary Drain Tray, PICV or Control Valve, Ball valves and Y-strainer, Inter-connecting pipes and fittings

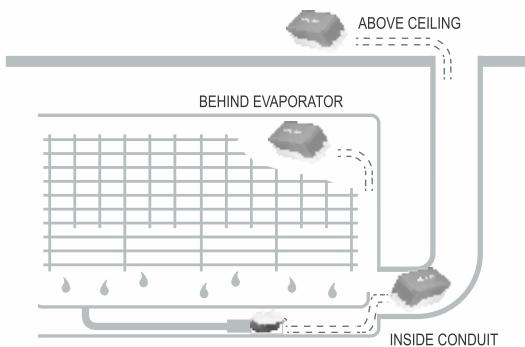
	MODEL	MKC-300R-B	MKC-400R-B
Air Volume (H/M/L)	CMH	510/450/400	630/560/500
Cooling Capacity	kW	3.04	3.79
Heating Capacity	kW	5.13	6.41
Noise Level (H/M/L)	(NC)	32/30/28	33/31/30
Water Flow Rate	m <sup>3</sup> /h	0.52	0.65
Water Pressure Drop	kPa	14	20
Power Supply	V / Ph / Hz	220-240/1/50	220-240/1/50
Power Input	W	32	40
Indoor Unit Dimensions (WxHxD)	mm	1054 x 169 x 425	1054 x 169 x 425
Panel Dimensions (WxHxD)	mm	1180 x 25 x 465	1180 x 25 x 465
Indoor Unit Net Weight	kg	12.8	12.8
Panel Net Weight	kg	3.5	3.5

# High Wall FCU



- No need for false ceilings and trap doors
- Capacity range: 0.5Tr to 3Tr
- In-built Italian make control valve
- In-built Modulating feature available<sup>#</sup>
- Low noise levels, high CFM, wider air-span
- Ideal for low height applications
- LHS / RHS drain outlet option
- Available with BMS connectivity<sup>#</sup> (with built-in Modbus feature)

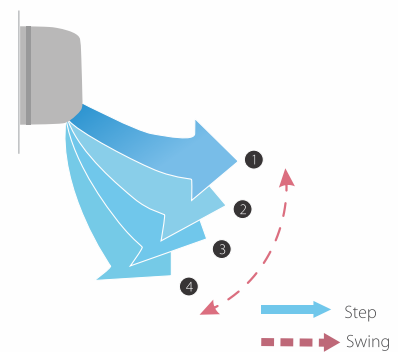
### Optional Condensate Drain Pump



### In-built Control Valve



### Multi position Swing Louver



	MODEL	MKG-300-C	MKG-400-C	MKG-500-C	MKG-600-C	KUCX-24*	KUCX-36*	KUCX-60*
Air Volume	CMH	510	680	850	1020	1116	1764	1944
Cooling Capacity	kW	2.97	3.28	4.25	5.0	6.34	8.04	10.3
Heating Capacity	kW	3.91	4.37	5.81	6.7	8.53	10.1	12.45
Noise Level (H/M/L)	(NC)	31/25/20	33/27/22	35/29/24	36/30/25	39/34/29	54/52/50	56/55/54
Water Flow Rate	m <sup>3</sup> /h	0.51	0.56	0.73	0.86	1.09	1.37	1.76
Water Pressure Drop	kPa	35.6	43.5	31.8	42.5	63	28.5	25.5
Power Supply	V / Ph / Hz	220-240/1/50				220-240/1/50		
Power Input	W	37	40	50	66	59	140	145
Inlet Outlet Dia.	mm	19	19	19	19	12.5	20	20
Drain Dia	mm	20	20	20	20	16	16	16
Dimensions (WxHxD)	mm	915x290x230	915x290x230	1072x315x230	1072x315x230	1145x315x245	1557x378x300	1557x378x300
Net Weight	kg	13	13.3	15.8	15.8	15	24	26

<sup>#</sup>For MKG series

\*Kubic Make

# Ceiling Concealed FCU



- Eurovent Certified Performance
- New V-shaped drain tray
- ABS plastic blowers with 4 - speed motor
- Patented technology for noise reduction
- Noise levels as low as 27db(A) for 1.5Tr
- External Static Pressure - 12Pa / 30Pa / 50Pa
- Capacity Range: 300 CFM - 2000 CFM
- Optional 2 / 3 / 4 row coil
- 2 pipe / 4 pipe / Aux. Heater variants available
- LHS / RHS coil connections - reversible at site
- Pre-fitted Valve station
- Customised selection using Selection Software

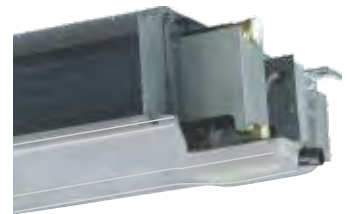
## Pre-fitted Valve Station



## 4-pipe units



## V-shaped Drain Tray



## THERMOSTATS



Manual



Digital on/off



Digital with  
Cordless Remote



Digital  
Proportionate



Digital Modbus  
(communicable via BACnet)

## 3-Row Fan Coil Unit



	Model	MK04A3S	MK06A3S	MK07A3S	MK08A3S	MK10A3S	MK12A3S	MK14A3S
Airflow (H/M/L)	CMH	680/551/381	1020/826/571	1150/920/670	1360/1102/762	1650/1374/949	2040/1652/1142	2380/1928/1333
Cooling Capacity	kW	4.41/3.77/2.9	5.00/4.27/3.36	7.05/6.00/4.68	8.03/6.87/5.40	9.00/7.84/6.17	11.20/9.75/7.67	13.0/11.30/8.90
Heating Capacity	kW	7.35/6.17/5.50	9.98/8.32/7.65	11.70/9.91/8.80	13.6/11.4/10.3	15.6/13.5/11.4	19.2/17.1/14.6	22.2/19.1/16.7
Noise Level (H/M/L)	(NC)	37/26.5/20	41/32.6/27	42/34/26	42/35.1/26	44/36.7/29	46/38.6/29	48/43.1/30
External Static Pressure	Pa	12	12	12	12	12	12	12
Water flow	m <sup>3</sup> /h	0.75/0.65/0.56	1.03/0.86/0.79	1.21/1.02/0.92	1.38/1.16/1.05	25.8/22.27/18.93	1.92/1.72/1.46	2.23/1.92/1.68
Water Pressure Drop	kPa	24/21/16	38/28/25	28/22/18	40/31/25	38/30/22	40/32/24	50/39/31
Power Supply	V / Ph / Hz	220-240V/1/50	220-240V/1/50	220-240V/1/50	220-240V/1/50	220-240V/1/50	220-240V/1/50	220-240V/1/50
Power input	W	60/47/39	93/68/56	112/97/80	130/114/95	147/118/94	183/133/112	221/177/140
Dimension (W×H×D)	mm	907x240x455	1002x240x455	1177x240x455	1367x240x455	1367x240x455	1657x240x455	1897x240x455
Net Weight	kg	16.9	20.5	20.5	25.5	26	33.8	35.3



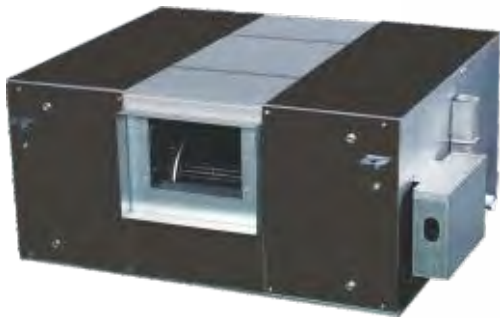
## 4-Row Fan Coil Unit

	Model	MKT4-400G30	MKT4-500G30	MKT4-600G30	MKT4-800G30	MKT4-1000G30	MKT4-1200G30	MKT4-1400G30
Airflow (H/M/L)	CMH	680/510/340	850/640/425	1020/765/510	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
Cooling Capacity	kW	4.4	4.8	6.2	8.8	9.5	11.8	13
Heating Capacity	kW	7.1	8.5	10.5	14.5	16.3	16.5	17
Noise Level (H/M/L)	(NC)	34/34/25	36/31/26	37/32/27	38/33/28	40/35/29	41/36/30	43/38/32
External Static Pressure	Pa	30	30	30	30	30	30	30
Water flow	m <sup>3</sup> /h	0.76	0.83	1.07	1.51	1.63	2.03	2.24
Water Pressure Drop	kPa	8.1	9.8	15.4	12.3	18	21.2	24.7
Power Supply	V / Ph / Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power input	W	80	95	110	155	180	220	275
Dimension (W×H×D)	mm	941x241x522	941x241x522	1161x241x522	1461x241x522	1566x241x522	1856x241x522	2022/241/522
Net Weight	kg	20.7	20.7	23.5	32.9	35.4	40.5	44.1

## A4 Duct Fan Coil Unit

	Model	MKT4-800G50-A4	MKT4-1000G50-A4	MKT4-1200G50-A4	MKT4-1400G50-A4	MKT4-1600G50-A4	MKT4-1800G50-A4	MKT4-2000G50-A4
Airflow (H/M/L)	CMH	1400/1342/1200	1650/1527/1405	2040/1851/1666	2420/1851/1666	2430/1917/1742	3380/2239/1878	3670/2544/2199
Cooling Capacity	kW	7.92	8.15	10.8	12.14	12.19	16.16	17.34
Heating Capacity	kW	10.42	11.25	14.3	16.08	16.55	21.7	23.4
Noise Level (H/M/L)	(NC)	44.4/43.9/42.6	45.5/44.1/43.3	46.5/46/44.5	47.7/46/45.5	48.9/46.7/46	49.6/47.1/46.2	50.4/48.7/47.6
External Static Pressure	Pa	50	50	50	50	50	50	50
Water flow	m <sup>3</sup> /h	1.36	1.4	1.89	2.08	2.09	2.77	2.98
Water Pressure Drop	kPa	48	21.4	27.8	32.5	33.4	58.3	61.5
Power Supply	V / Ph / Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power input	W	144	176	320	392	482	538	583
Dimension (W×H×D)	mm	1180x340x612	1180x340x612	1369x340x612	1369x340x612	1369x340x612	1500x340x612	1500x340x612
Net Weight	kg	39.3	40.8	46.3	46.3	46.3	54.8	54.8

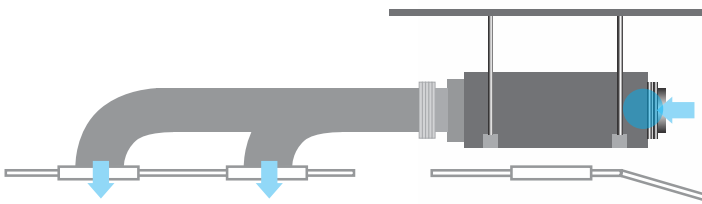
# High Static Fan Coil Unit



- Eurovent Certified Performance
- Capacity Range: 800 CFM - 2200 CFM
- 4 speed motor

- LHS / RHS coil connections
- Relatively low noise operation
- Electric Heater option available

## Long Length Duct



## Pre-fitted Valve Station



	Model	MKT3H-800G70	MKT3H-1000G70	MKT3H-1200G70	MKT3H-1400G70	MKT3H-1600G100	MKT3H-1800G100	MKT3H-2200G100
Airflow (H/M/L)	CMH	1360/1220/1090	1700/1530/1380	2040/1880/1610	2380/2120/1860	2720/2450/2170	3060/2750/2450	3740/3660/2990
Cooling Capacity	kW	6.6	8.8	10	12	14.1	15.8	19.9
Heating Capacity	kW	9.7	13.2	15	17.9	21.2	23.8	30
Noise Level (high)	(NC)	45	46	47	48	50	56	57
External Static Pressure	Pa	70	70	70	70	100	100	100
Water flow	m <sup>3</sup> /h	1.14	1.51	1.72	2.06	2.42	2.72	3.42
Water Pressure Drop	kPa	8	24	24	36	52	90	130
Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power input	W	350	350	350	350	550	800	950
Dimension (WxHxD)	mm	946x400x816	946x400x816	946x400x816	946x400x816	1290x400x809	1290x400x809	1290x400x809
Net Weight	kg	50	52	52	54	76	76	76

# Floor cum Ceiling Fan Coil Unit



MKH2 Series:

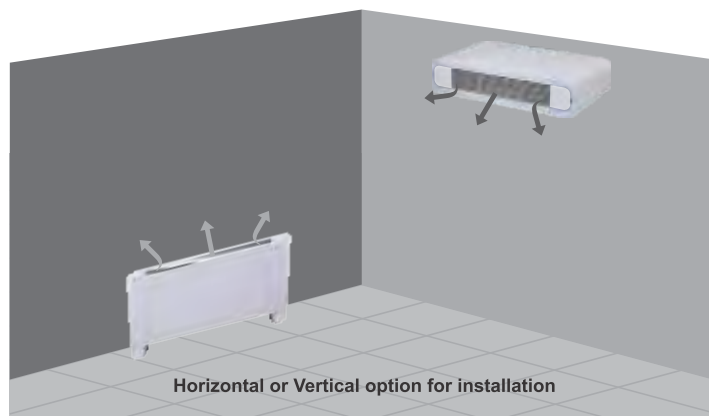


MKH3 Series:  
Concealed type



MKH1 Series

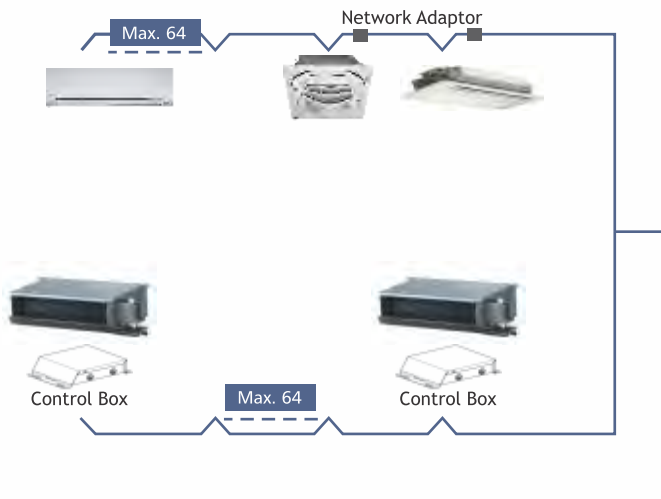
- Flexible installation options: horizontal/vertical, concealed/cabinet type
- Wide angle air flow facilitated by movable louver
- Capacity Range: 150CFM to 800CFM
- Ideal for low height applications/locations where wall provision is not available
- Even suitable for a room with glass walls
- Suited for rooms without false ceiling
- Best fit for rooms with false flooring



	Model		MKH2-150-R3	MKH2-250-R3	MKH2-350-R3	MKH2-500-R3	MKH2-700-R3	MKH2-800-R3
Airflow	(H/M/L)	CMH	255/165/142	400/273/180	595/447/319	790/560/392	1190/855/555	1300/1088/782
Cooling Capacity	(H/M/L)	kW	1.65	2.65	3.85	4.65	6.00	7.35
Heating Capacity	(H/M/L)	kW	1.85	3.05	4.10	5.20	6.15	8.20
Water Flow	(H/M/L)	m <sup>3</sup> /h	0.28	0.45	0.66	0.79	1.02	1.26
Water Pressure Drop	(H/M/L)	kPa	15.75	18.03	38.23	56.85	53.79	45.43
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Power Input		W	35	47	51	91	123	123
Noise Level (NC)	(H/M/L)		43/31/30	42/32/27	48/41/32	55/47/39	60/52/41	59/54/46
Inlet Outlet Dia		mm	19.05	19.05	19.05	19.05	19.05	19.05
Drain Dia		mm	18.5	18.5	18.5	18.5	18.5	18.5
Dimensions (12,30,50Pa)	WxHxD	mm	790×495×200	1020×495×200	1240×495×200	1240×495×200	1360×495×200	1360×591×200
Net Weight	WxHxD	kg	16.3	20	24	25.5	27.3	31.7

# Connect to BMS Systems

Midea Fan Coil Units can interact with BMS protocols such as BACnet / LonWorks / ModBus. The FCUs are connected through a Network Interface Module to a Group Controller. This in turn connects to various protocols via their respective gateways. This system can be expanded to a web based communication universe as well.

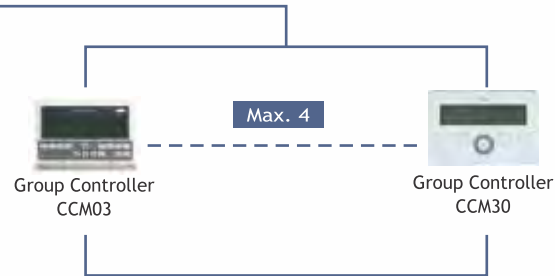


## Optional Group Controller - CCM03

- Indoor unit central controller
- Max. 64 indoor units can be controlled
- Automatically record all setting information when power is lost
- Clear and bright LCD screen, background light, more parameters display
- Emergency ON/OFF control with simple dry contact input

## Optional Group Controller - CCM30

- The new indoor unit central controller has a touch style key
- The big screen and LCD display can give you a more comfortable visual effect
- All basic function is the same as CCM03



BMS Gateway



TCP / IP



BACnet / IP Network

## Modbus Data Converter

- Can realise data conversion between TCP/IP protocol and 485 protocol
- Can remotely control the AC systems through computer, iPhone, iPad or other intelligent terminals
- Providing the TCP/IP port for AC system of Midea to achieve Web/HTTP/IP access
- User can monitor and query AC equipment through LAN and WAN
- Max. 64 units can be connected to a single Gateway

## BACnet Gateway

- BACnet / Ethernet optional
- No need to install the Network Control Software
- BMS Gateway to realise simple setting and controlling of AC
- Max. 4 Group Controllers can be connected to a single Gateway
- Max. 256 units can be connected to a single Gateway



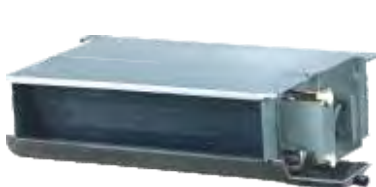


# WORLD'S FIRST UVC FAN COIL UNITS

The world's first UVC Fan Coil Unit from Midea uses UltraViolet Germicidal Irradiation (UVGI), short-wavelength ultraviolet (UV-C) light to inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions.

Not only does the UVC FCU eliminate disease spreading virus & bacteria, but also eliminates bad odour and mould formation. Increased cooling efficiency, reduced power input & maintenance costs, these UVC FCU are your best weapon in the IAQ battle been fought at our Hospitals, Hotels, Offices and Homes.

UVC FCU are available with Midea's widest range of Chilled Water Cassettes, One Way Cassettes, Concealed FCU, High Static Duct FCU, High Wall FCU, Floor cum Ceiling FCU & Floor Standing FCU.



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Humanizing Technology

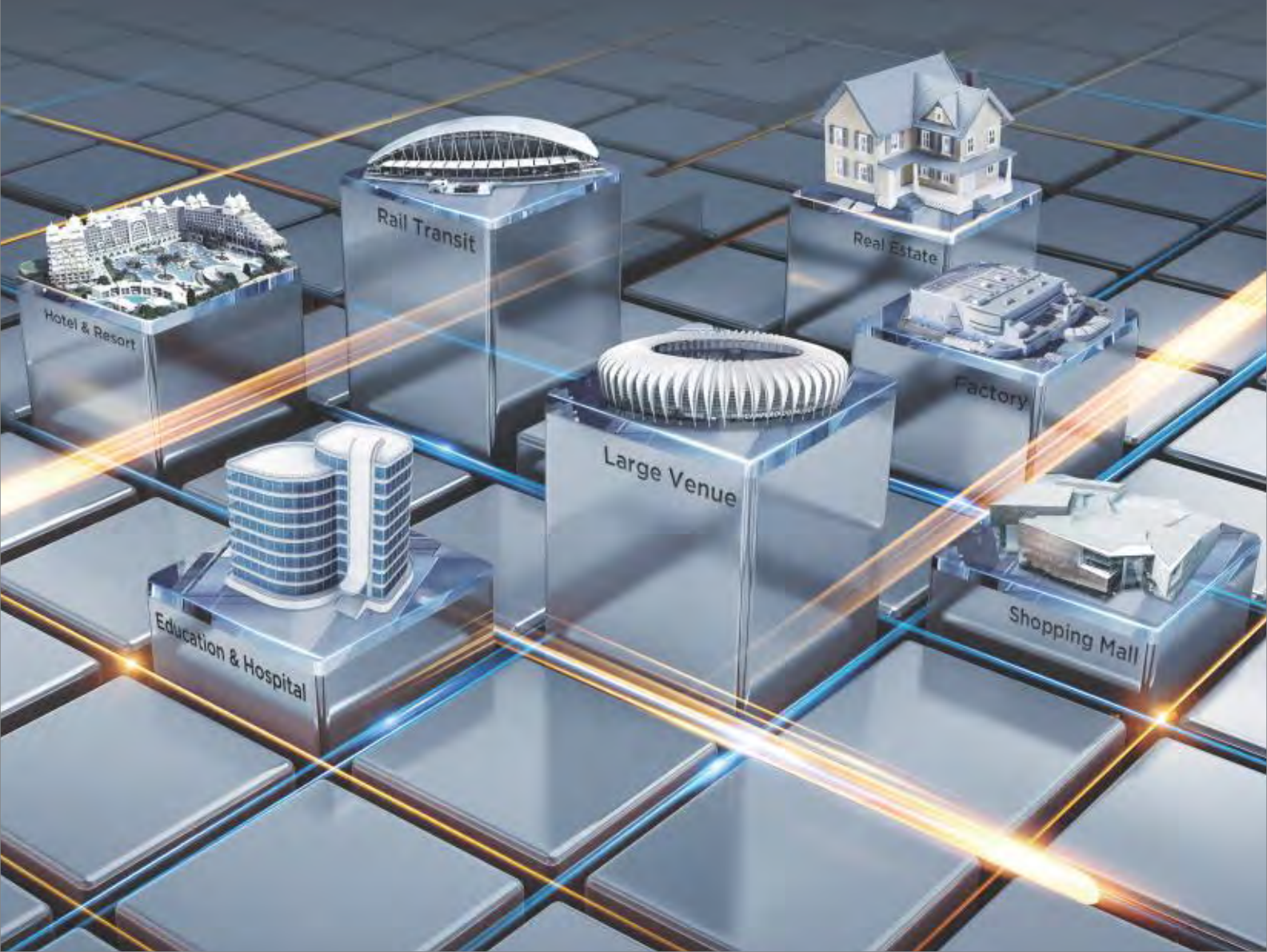


- 50+ years of expertise in manufacturing and technology, World's No. 1 Brand for Air Treatment Products
- USD 53.26 billion global sales in 2022, #245 on the Fortune 500 Global 2022 list
- Annual R&D investment is 5% of the division sales revenue; more than USD 3 billion invested in last 5 years alone, USD 100 million invested in labs & equipment for CAC division and further USD 100 million invested on automation
- 166,000 employees, 200 countries, 21 manufacturing hubs, 260 logistics centers
- Midea R&D: 10,000 employees, 550+ Engineers, 50,000 authorized patents, Global Innovator No. 1
- 161 various types of labs, calibration of testing equipment by Intertek, acknowledged by 35 international authorities, world class manufacturing and testing to meet Eurovent standards





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