



COMMERCIAL AIR CONDITIONER FAN COIL UNIT

FCU



INTRODUCTION

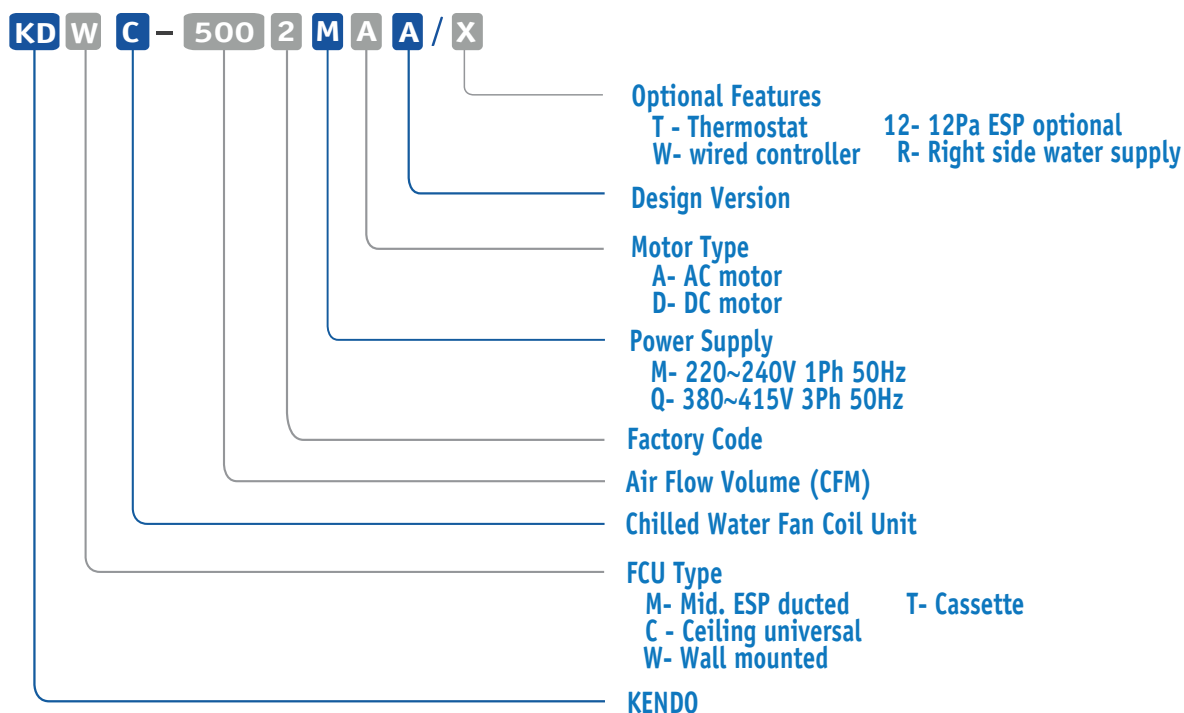
The KENDO Chilled Water Fan Coil Unit are designed and manufactured base on advance technology, qualify structure and high quality material.

Compact design, beautiful outlook, space saving design, easy installation and maintenance friendly are common advantages for all FCU product.

The KENDO chilled water fan coil unit model type contain ceiling universal, floor standing, midium ESP ducted, cassette and wall mounted. The varies air volume from 200CFM to 1500CFM can be choose to suite the room size and capacity requirement.



NOMENCLATURE



PRODUCT LINE-UP

FCU

CFM

200

300

400

500

600

800

1000

1200

1300

1500

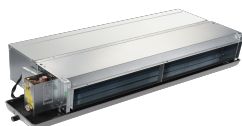
360° Cassette



Ceiling Universal



Mid ESP Ducted



Wall Mounted



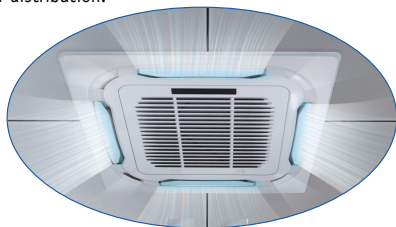


MAIN FEATURES

❖ Capacity range 400CFM ~ 1500CFM.

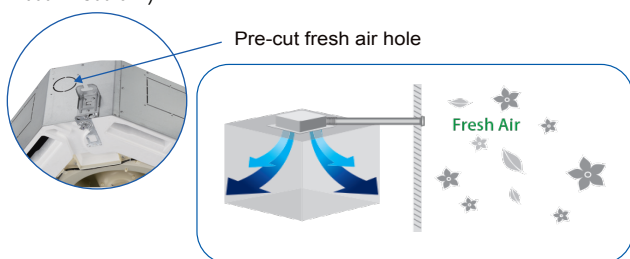
❖ 360° panel.

- Designed with 360° corner large air flow outlet with auto air swing function to provide smooth and high discharge air flow.
- Aerodynamic turbo fan enhance strong air flow for better air circulation and air distribution.



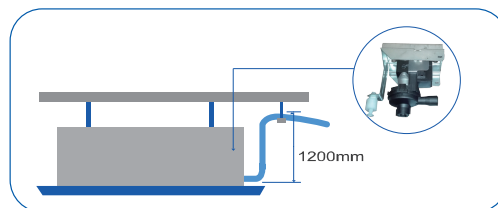
❖ Fresh air intake

- Fresh air makes indoor air more healthy, fresh and comfortable (for model 600 ~ 1500 CFM)



❖ Built-in drain pump

- All unit come with standard built-in drain pump can lift drain water up to 1.2m high from the drain pan.



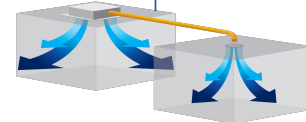
❖ Fire proof electrical box

- Fire proof electrical box enhance electrical safety and designed with maintenance friendly.



❖ Pre-cut extended duct hole

- Cool air can be duct to any corner for better and flexible air distribution.



Remote Control



Built-in Drain Pump



Auto Restart Function



Hydrophilic Aluminum Fin



Fresh Air Intake



Fire-proof Electric Box



Wired Control

■ optional ■ standard

SPECIFICATION

Model			KDTC-4002MAA	KDTC-5002MAA	KDTC-6002MAA	KDTC-8502MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1			
Air Volume	Hi Speed	CFM/CMH	400 / 680	500 / 850	590 / 1003	820 / 1394
	Medium Speed	CFM/CMH	340 / 578	430 / 731	500 / 850	700 / 1190
	Low Speed	CFM/CMH	280 / 476	350 / 595	420 / 714	590 / 1003
Cooling Capacity	Hi Speed	W	3700	4500	5700	7270
	Medium Speed	W	3180	3600	4730	6460
	Low Speed	W	2640	3060	3960	5710
Heating Capacity	Hi Speed	W	5200	6000	9660	12420
	Medium Speed	W	4470	4760	7720	9930
	Low Speed	W	4110	4070	6270	8070
Noise Level		dB(A)±3	42/39/32	45/42/34	45/41/36	47/43/38
Motor / Fan Quantity		qty	1 / 1			
Motor Power Input		W	62	76	90	131
Water Flow Volume		l/h±5	720	780	960	1260
Hydraulic Resistance		kPa±3	15	16	23.8	27
Max.Working pressure		MPa	1.6			
Dimension (W×D×H)	Net(Body)	mm±5	570×570×260		835×835×250	
	Packing(Body)	mm±5	650×650×290		910×910×310	
	Net(Panel)	mm±5	650×650×55		950×950×55	
	Packing(Panel)	mm±5	710×710×80		1000×1000×100	
Weight	Net/Gross(Body)	kg±0.5	18/20.3	18/20.3	24.5/28	25.5/29
	Net/Gross(Panel)	kg±0.5	3/5	3/5	5/7	5/7
Inlet/Outlet Water Pipe		inch (DN)	Rc3/4"(DN20)			
Drain Pipe		inch (DN)	R3/4"(DN20)			
Container Loading (20/40/40Hq)		qty	138/315/354		64/134/152	

SPECIFICATION

Model			KDTC-9502MAA	KDTC-12002MAA	KDTC-15002MAA
Power Supply		V/Ph/Hz		220~240 / 50 / 1	
Air Volume	Hi Speed	CFM/CMH	940 / 1598	1180 / 2006	1500 / 2550
	Medium Speed	CFM/CMH	800 / 1360	1000 / 1700	1280 / 2176
	Low Speed	CFM/CMH	680 / 1156	850 / 1445	1080 / 1836
Cooling Capacity	Hi Speed	W	8220	10390	12900
	Medium Speed	W	7390	9250	11510
	Low Speed	W	6540	8200	10190
Heating Capacity	Hi Speed	W	13850	17580	17600
	Medium Speed	W	11080	14060	14080
	Low Speed	W	9000	11420	11440
Noise Level		dB(A)±3	48/44/39	49/45/40	50/46/41
Motor / Fan Quantity		qty		1 / 1	
Motor Power Input		W	145	186	225
Water Flow Volume		l/h±5	1440	1800	2220
Hydraulic Resistance		kPa±3	31.2	44	40
Max.Working pressure		MPa		1.6	
Dimension (W × D × H)	Net(Body)	mm±5		835×835×290	
	Packing(Body)	mm±5		910×910×350	
	Net(Panel)	mm±5		950 × 950 × 55	
	Packing(Panel)	mm±5		1000 × 1000 × 100	
Weight	Net/Gross(Body)	kg±0.5	26.5/31	28/32.5	28/32.5
	Net/Gross(Panel)	kg±0.5	5/7	5/7	5/7
Inlet/Outlet Water Pipe		inch (DN)		Rc3/4"(DN20)	
Drain Pipe		inch (DN)		R3/4"(DN20)	
Container Loading (20/40/40Hq)		qty		60/122/136	

NOTE :

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB, 19°C WB, Water inlet/outlet Temp. : 7°C DB, 12°C.
2. Heating capacity test conditions: Air inlet Temp. : 20°C DB, Water inlet Temp. : 50°C, water flow set same as cooling conditions.
3. Noise level is tested in full-anechoic room.
4. The above design and specification are subject to change without prior notice for further improvement.



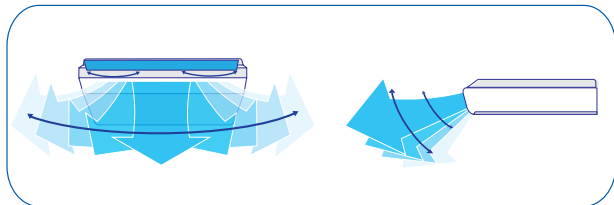


MAIN FEATURES

❖ Capacity range 400CFM ~ 1200CFM.

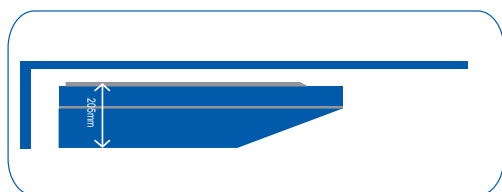
❖ 4D air direction

- Vertical and horizontal control swing make air distribute to every corner.



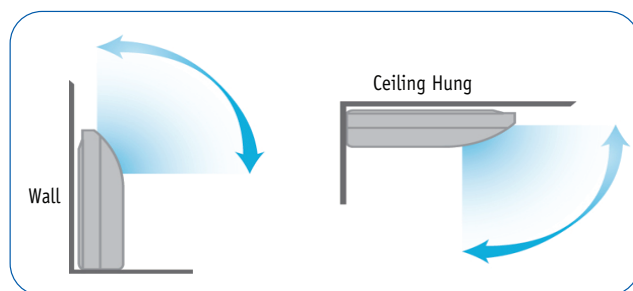
❖ Ultra slim design

- Body thickness only 205mm, minimize the installation space.



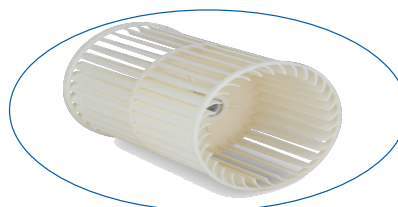
❖ Flexible installation

- Can be vertically installed against the wall or horizontally installed under the ceiling.



❖ Innovative centrifugal fan design

- All unit design with 3 speed fan motor combining with innovative centrifugal fan to produce large air flow volume with lower operation noise.



Remote Control



3D Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Wired Control

■ optional ■ standard

SPECIFICATION

Model No			KDCC-4002MAA	KDCC-5002MAA	KDCC-6002MAA	KDCC-8502MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1			
Air Volume	Hi Speed	CFM/CMH	400 / 680	500 / 850	600 / 1020	820 / 1394
	Medium Speed	CFM/CMH	340 / 578	420 / 714	510 / 867	700 / 1190
	Low Speed	CFM/CMH	300 / 510	375 / 638	450 / 765	590 / 1003
Cooling Capacity	Hi Speed	W	3270	4850	5640	7270
	Medium Speed	W	2840	4410	5020	6460
	Low Speed	W	2540	3735	4460	5710
Heating Capacity	Hi Speed	W	4580	6980	8230	12420
	Medium Speed	W	3890	5930	7000	9930
	Low Speed	W	3440	5240	6170	8070
Noise Level		dB(A)±3	39/36/34	43/40/38	44/41/39	47/43/38
Motor / Fan Quantity		qty	1 / 2		1 / 3	
Motor Power Input		W	78	93	117	190
Water Flow Volume		l/h±5	560	840	970	1260
Hydraulic Resistance		kPa±3	26.3	20	11.4	27
Max.Working pressure		MPa	1.6			
Net Dimension (WxDxH)		mm±5	929 × 660 × 205		1280 × 660 × 205	
Packing Dimension (WxDxH)		mm±5	1010 × 720 × 280		1360 × 720 × 280	
Net/Gross Weight		kg±0.5	24/27	25/28	30/35	33/38
Inlet/Outlet Water Pipe		inch (DN)	Rc3/4 "(DN20)			
Drain Pipe		inch (DN)	R3/4 "(DN20)			
Container Loading (20/40/40Hq)		qty	136/280/306		104/222/246	

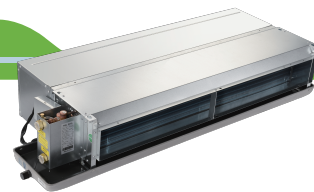
SPECIFICATION

Model No			KDCC-9502MAA	KDCC-12002MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1	
Air Volume	Hi Speed	CFM/CMH	940 / 1598	1180 / 2006
	Medium Speed	CFM/CMH	800 / 1360	1000 / 1700
	Low Speed	CFM/CMH	680 / 1156	850 / 1445
Cooling Capacity	Hi Speed	W	8220	10390
	Medium Speed	W	7390	9250
	Low Speed	W	6540	8200
Heating Capacity	Hi Speed	W	13850	17580
	Medium Speed	W	11080	14060
	Low Speed	W	9000	11420
Noise Level		dB(A)±3	48/44/39	49/45/40
Motor / Fan Quantity		qty	2 / 4	
Motor Power Input		W	210	230
Water Flow Volume		l/h±5	1440	1800
Hydraulic Resistance		kPa±3	31.2	44
Max.Working pressure		MPa	1.6	
Net Dimension (WxDxH)		mm±5	1631 × 660 × 205	
Packing Dimension (WxDxH)		mm±5	1710 × 720 × 280	
Net/Gross Weight		kg±0.5	44/50	44/50
Inlet/Outlet Water Pipe		inch (DN)	Rc3/4"(DN20)	
Drain Pipe		inch (DN)	R3/4"(DN20)	
Container Loading (20/40/40Hq)		qty	80/160/180	

NOTE :

1. Cooling capacity test conditions:Air inlet Temp. : 27°C DB, 19°C WB,Water inlet/outlet Temp. : 7°C DB, 12°C.
2. Heating capacity test conditions:Air inlet Temp. : 20°C DB,Water inlet Temp. : 50°C, water flow set same as cooling conditions.
3. Noise level is tested in full-anechoic room.
4. The above design and specification are subject to change without prior notice for further improment.



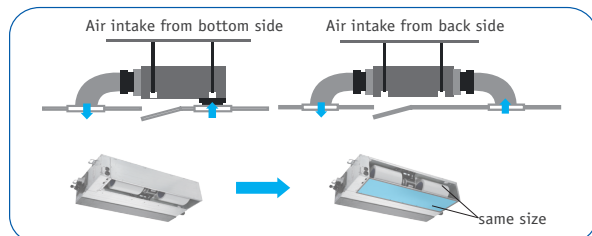


MAIN FEATURES

❖ Capacity range 300CFM ~ 1400CFM (30Pa & 12Pa).

❖ Flexible installation

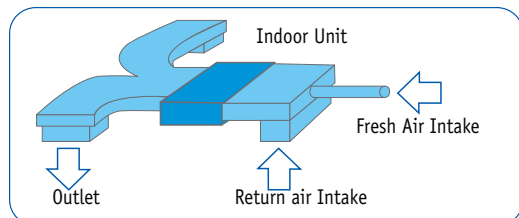
- Air intake from rear side is standard, from bottom side is optional. The size of plate from bottom side same as the flange from rear side, makes it convenient to change due to different decoration requirement.



❖ Return air plenum and air filter are standard.

❖ Fresh air intake

- Fresh air makes indoor air more healthy, fresh and comfortable.



Long-term Filter



Hydrophilic Aluminum Fin

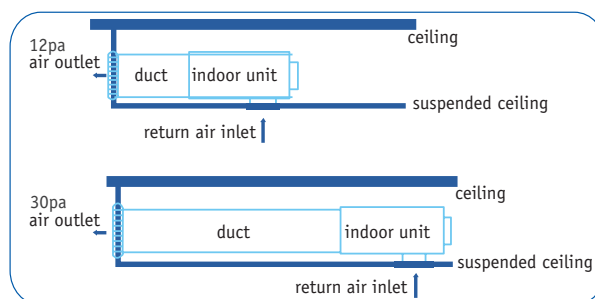


Thermostat

■ optional ■ standard

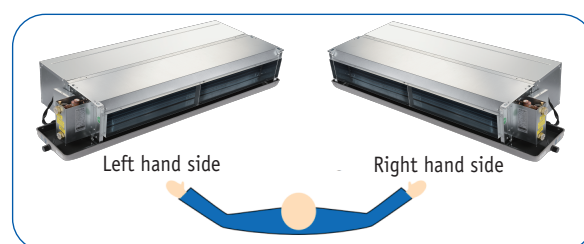
❖ Optional ESP

- 30Pa Standard and 12Pa Optional.



❖ Water pipe direction

- Left hand (standard) or right hand (optional) hand water supply or drain pipe direction can be choose.



SPECIFICATION

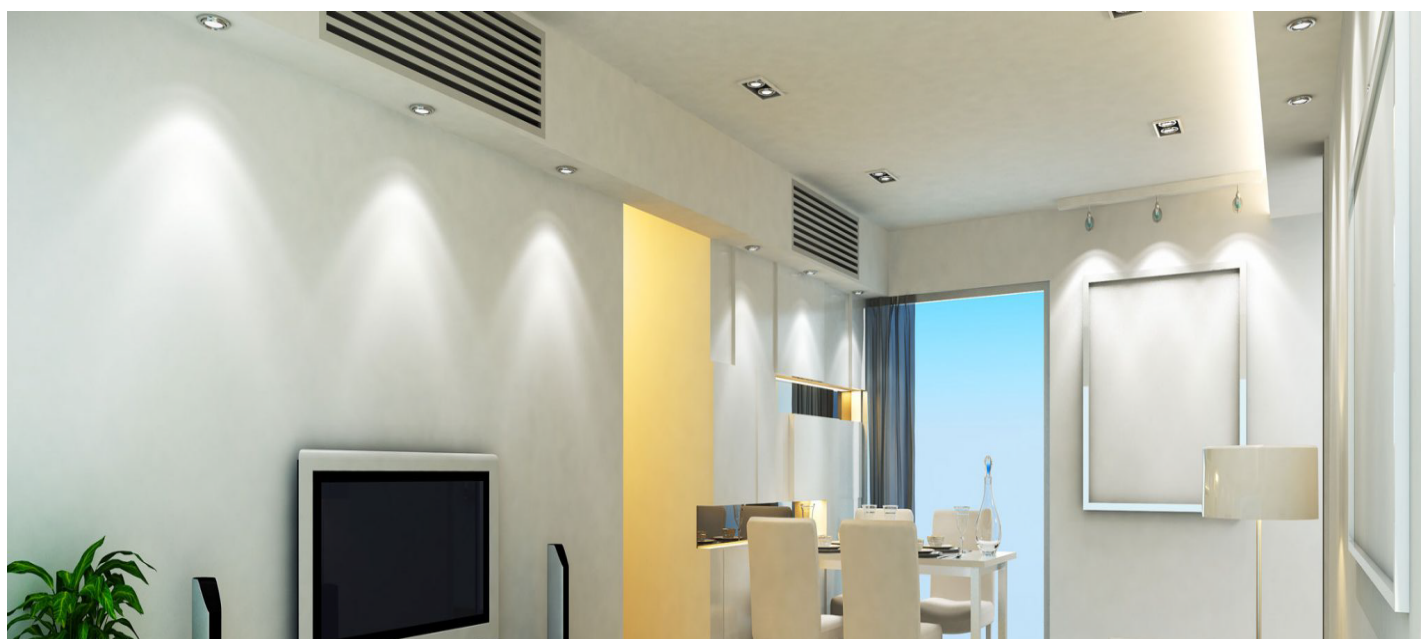
Model		Left	KDMC-3002MAA	KDMC-4002MAA	KDMC-5002MAA	KDMC-6002MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1			
External Static Pressure		Pa	30Pa (Standard ESP) 12Pa (Optional ESP)			
Air Volume	Hi Speed	CFM/CMH	300 / 510	400 / 680	500 / 850	600 / 1020
	Medium Speed	CFM/CMH	225 / 383	300 / 510	375 / 638	450 / 765
	Low Speed	CFM/CMH	150 / 255	200 / 340	250 / 425	300 / 510
Cooling Capacity	Hi Speed	W	2700	3600	4400	5500
	Medium Speed	W	2310	3110	3740	4580
	Low Speed	W	2030	2660	3250	4090
Heating Capacity	Hi Speed	W	4300	5400	6800	8100
	Medium Speed	W	3740	4640	5780	6770
	Low Speed	W	3230	4050	5070	5920
Rows Of Coil		qty	2			
Noise Level	12Pa ESP	dB(A)±3	38/35/29	38/35/31	39/36/32	40/36/33
	30Pa ESP	dB(A)±3	41/37/32	42/39/33	45/41/32	46/41/35
Motor / Fan Quantity		qty	1 / 2			
Motor Power Input 12Pa ESP/30Pa ESP		W	52/57	62/71	76/87	96/107
Water Flow Volume		l/h±5	464	619	760	946
Hydraulic Resistance		kPa±3	11	19	22	22
Max.Working pressure		MPa	1.6	1.6	1.6	1.6
Net Dimension (WxDxH)		mm±5	894x518x240		1039x518x240	1129x518x240
Packing Dimension (WxDxH)		mm±5	915x545x260		1060x545x260	1150x545x260
Net/Gross Weight		kg±0.5	16.4/18.9	16.8/19.4	18.9/21.9	20.2/23.7
Inlet/Outlet Water Pipe		inch (DN)	Rc3/4 "(DN20)			
Drain Pipe		inch (DN)	R3/4 "(DN20)			
Container Loading (20/40/40Hq)		qty	248/504/567		154/322/361	144/312/351

SPECIFICATION

Model		Left	KDMC-8002MAA	KDMC-10002MAA	KDMC-12002MAA	KDMC-14002MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1			
External Static Pressure		Pa	30Pa (Standard ESP) 12Pa (Optional ESP)			
Air Volume	Hi Speed	CFM/CMH	800 / 1360	1000 / 1700	1200 / 2040	1400 / 2380
	Medium Speed	CFM/CMH	600 / 1020	750 / 1275	900 / 1530	1050 / 1785
	Low Speed	CFM/CMH	400 / 680	500 / 850	600 / 1020	700 / 1190
Cooling Capacity	Hi Speed	W	8200	9000	11000	12500
	Medium Speed	W	6880	7800	9800	10800
	Low Speed	W	6250	6570	8350	9440
Heating Capacity	Hi Speed	W	13600	16000	20000	21000
	Medium Speed	W	11970	14240	18270	18700
	Low Speed	W	10200	12000	15430	15750
Rows Of Coil		qty	3			
Noise Level	12Pa ESP	dB(A)±3	48/45/40	50/46/42	52/48/44	53/49/45
	30Pa ESP	dB(A)±3	50/47/42	52/48/44	53/49/45	54/50/46
Motor / Fan Quantity		qty	1 / 3	1 / 4		
Motor Power Input 12Pa ESP/30Pa ESP		W	146/156	154/174	200/212	243/253
Water Flow Volume		l/h±5	1410	1548	1892	2150
Hydraulic Resistance		kPa±3	39	32	39	45
Max.Working pressure		MPa	1.6	1.6	1.6	1.6
Net Dimension (WxDxH)		mm±5	1319x518x240	1619x518x240	1719x518x240	1909x518x240
Packing Dimension (WxDxH)		mm±5	1340x545x260	1640x450x260	1740x450x260	1930x450x260
Net/Gross Weight		kg±0.5	26/30	31.3/35.8	33.4/38	35.6/41.1
Inlet/Outlet Water Pipe		inch (DN)	Rc3/4 "(DN20)			
Drain Pipe		inch (DN)	R3/4 "(DN20)			
Container Loading (20/40/40Hq)		qty	128/264/297	106/210/235	96/200/225	88/184/207

NOTE :

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB, 19°C WB, Water inlet/outlet Temp. : 7°C DB, 12°C.
2. Heating capacity test conditions: Air inlet Temp. : 20°C DB, Water inlet Temp. : 50°C, water flow set same as cooling conditions.
3. Noise level is tested in full-anechoic room.
4. The above design and specification are subject to change without prior notice for further improvement.





MAIN FEATURES

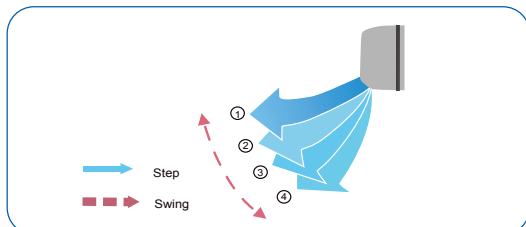
❖ Capacity range from 200cfm ~ 750cfm.

❖ Stylish front panel design

- Easily match with any interior decor, ideal for use in shops, restaurants or offices.

❖ Air direction

- The Swing Louver function ensures that the air direction corresponds to the mode selected (step or auto swing).



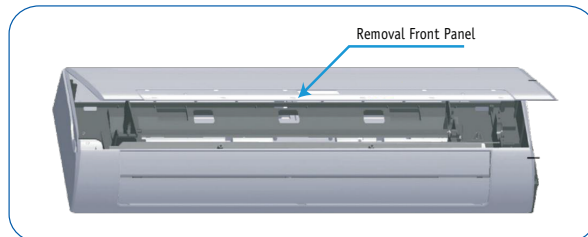
❖ Convenient installation

- Multi-directional outlet pipe feature: left \ right \ rear, to meet the needs of different piping arrangement.



❖ Maintenance friendly

- Removable front panel making maintenance convenient.



❖ Come with standard washable air filter (Saran Net)



❖ Self diagnosis function

- Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Remote Control



Silent Air Flow



Auto Restart Function



Long-term Filter



Hydrophilic Aluminum Fin



Self-diagnosis Function

■ optional ■ standard

SPECIFICATION

Model No			KDWC-2002MAA	KDWC-3002MAA	KDWC-4002MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1		
Air Volume	Hi Speed	CFM/CMH	200 / 340	300 / 510	400 / 680
	Medium Speed	CFM/CMH	150 / 255	250 / 425	325 / 553
	Low Speed	CFM/CMH	100 / 170	220 / 374	270 / 459
Cooling Capacity	Hi Speed	W	1840	2640	3280
	Medium Speed	W	1650	2239	2830
	Low Speed	W	1180	2051	2410
Heating Capacity	Hi Speed	W	2790	3780	4500
	Medium Speed	W	2570	3251	3825
	Low Speed	W	1870	2797	3375
Noise Level		dB(A)±3	30/24/20	35/29/24	37/31/26
Motor / Fan Quantity		qty	1 / 1		
Motor Power Input		W	33	41	50
Water Flow Volume (WxDxH)		l/h±5	300	480	600
Hydraulic Resistance (WxDxH)		kPa±3	8.39	18	43.5
Max.Working pressure		MPa	1.6		
Net Dimension		mm±5	850×300×198		
Packing Dimension		mm±5	885×360×270		
Net/Gross Weight		kg±0.5	11/12.5	11/12.5	12.6/14.5
Inlet/Outlet Water Pipe		inch (DN)	Rc1/2"(DN15) Male		
Drain Pipe		inch (DN)	R1/2"(DN15)		
Container Loading (20/40/40Hq)		qty	304/640/720		

SPECIFICATION

Model No			KDWC-5002MAA	KDWC-6002MAA	KDWC-7502MAA
Power Supply		V/Ph/Hz	220~240 / 50 / 1		
Air Volume	Hi Speed	CFM/CMH	500 / 850	600 / 1020	750 / 1275
	Medium Speed	CFM/CMH	440 / 748	540 / 918	620 / 1054
	Low Speed	CFM/CMH	365 / 621	460 / 782	530 / 901
Cooling Capacity	Hi Speed	W	4250	5000	7000
	Medium Speed	W	3850	4470	5620
	Low Speed	W	3320	3970	4550
Heating Capacity	Hi Speed	W	6000	6900	11700
	Medium Speed	W	5100	5865	10100
	Low Speed	W	4500	5175	9180
Noise Level		dB(A)±3	39/33/28	40/34/29	46/43/40
Motor / Fan Quantity		qty	1 / 1		
Motor Power Input		W	55	62	137
Water Flow Volume		l/h±5	731	900	1390
Hydraulic Resistance		kPa±3	33.6	45	28
Max.Working pressure		MPa	1.6		
Net Dimension (WxDxH)		mm±5	970×315×235		1100×330×235
Packing Dimension (WxDxH)		mm±5	1010×380×300		1140×390×300
Net/Gross Weight		kg±0.5	15/17	16/18	20/23
Inlet/Outlet Water Pipe		inch (DN)	Rc1/2"(DN15) Male		
Drain Pipe		inch (DN)	R1/2"(DN15)		
Container Loading (20/40/40Hq)		qty	238/490/560		210/427/488

NOTE :

1. Cooling capacity test conditions: Air inlet Temp. : 27°C DB, 19°C WB, Water inlet/outlet Temp. : 7°C DB, 12°C.
2. Heating capacity test conditions: Air inlet Temp. : 20°C DB, Water inlet Temp. : 50°C, water flow set same as cooling conditions.
3. Noise level is tested in full-anechoic room.
4. The above design and specification are subject to change without prior notice for further improvement.

CONTROLLER

❖ Applicable for Wall Mounted, Cassette and Ceiling model. (Mid ESP Duct come without controller)

Wireless Remote Controller (Standard)



YK-K

Wired Controller (Optional for Ceiling universal and cassette type)



XK-05



KENDO APPLIANCES MALAYSIA SDN BHD

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