









DC Fan Coil Units

YORK DC Fan Coil Units operate in high efficiency and low sound level due to the DC brushless fan motor. It contains cassette units, ceiling & floor units with or without cabinet, wall-mounted units and duct units. The air volume ranges from 150CFM to 1500CFM. It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.





Product Lineup

2-Pipe FCUs

Model		150	200	250	300	350	400	450	500		600	700	750	800	850	900	950	1000	1200	1500
1-way cassette					⊙		⊙				⊙									
4-way cassette											⊙		⊙		⊙		⊙		⊙	⊙
Compact 4-way cassette					⊙		⊙		⊙											
Duct			⊙		⊙		⊙		⊙		⊙			⊙				⊙	⊙	
Wall mounted				⊙	⊙		⊙		⊙		⊙									
Ceiling&floor		⊙		⊙		⊙			⊙			⊙		⊙						

4-Pipe FCUs

Model		150	200	250	300	350	400	500		600	700	750	800	850	950	1000	1200	1500	
4-way cassette										⊙	⊙	⊙		⊙	⊙				
Compact 4-way cassette					⊙	⊙	⊙	⊙											

Notes:
The standard power supply for all fan coil units is 220V-240V/50Hz; 208-230V/60Hz can be customized for some series fan coil units. For further information, please contact with our salesmen.

Functions			One-way Cassette	Compact Four-way Cassette	Four-way Cassette	Wall Mounted	Ceiling & Floor	Duct
Control Customization	Follow me	With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wireless remote controller.	○(AMR12Y)	○(AMR12Y)	○(AMR12Y)	○(AMR12Y)	○(AMR12Y)	×
	Anti cold air	Prevent the unit from cold supply air when starting in winter.	●	●	●	●	●	×
	Auto-restart	The unit restarts automatically with the previous settings after power failure.	●	●	●	●	●	×
	Forced fan running	After reaching the set temperature, the valve body closes and the fan operates according to the setting.	√	○	√	√	√	×
	Heat	Only electric auxiliary heating.	×	×	×	×	×	×
	Temperature compensation	Heating mode: $T_2 = T_1 + \Delta T$; Cooling mode: $T_2 = T_1 - \Delta T$ T2: Indoor Temperature, T1: Setting Temperature, ΔT : Temperature Compensation	√	○	√	√	√	×
	XYE Port	Communicate with central controllers or BMS.	○(XYE)	●	●	●	○(XYE)	○(FCU-kit)
	PQE Port	Communicate with Modbus.	○	○	○	○	○	×
	AMR18Y/AMR08Y/CCM15	Central controllers and BMS.	○(XYE)	●	●	●	○(XYE)	○(FCU-kit)
	0-10V output control	By outputting a 0-10 V level, the opening of the valve body is controlled to meet different energy requirements.	×	×	×	○	×	×
0-10V input control	By inputting a 0-10 V level to PCB, the fan motor speed is controlled to meet different energy requirements.	○	×	○	○	○	×	
Structure Customization	Right/Left piping connection	Left and right hand piping connections are optional, flexible installation.	×	×	×	×	●	●
	Electric auxiliary heating	Increase heating capacity with additional electric heater.	×	×	×	×	×	×
	Extended drainage pan	Drainage pan accessory.	×	×	×	×	×	○
	Auxiliary drainage pan		×	○	○	×	○	○

Note:

●: equipped as standard; ○: customization option; ×: without this function; √: switch setting

Advantage of Fan Coil Units with

DC Brushless Fan Motor

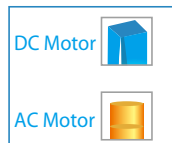
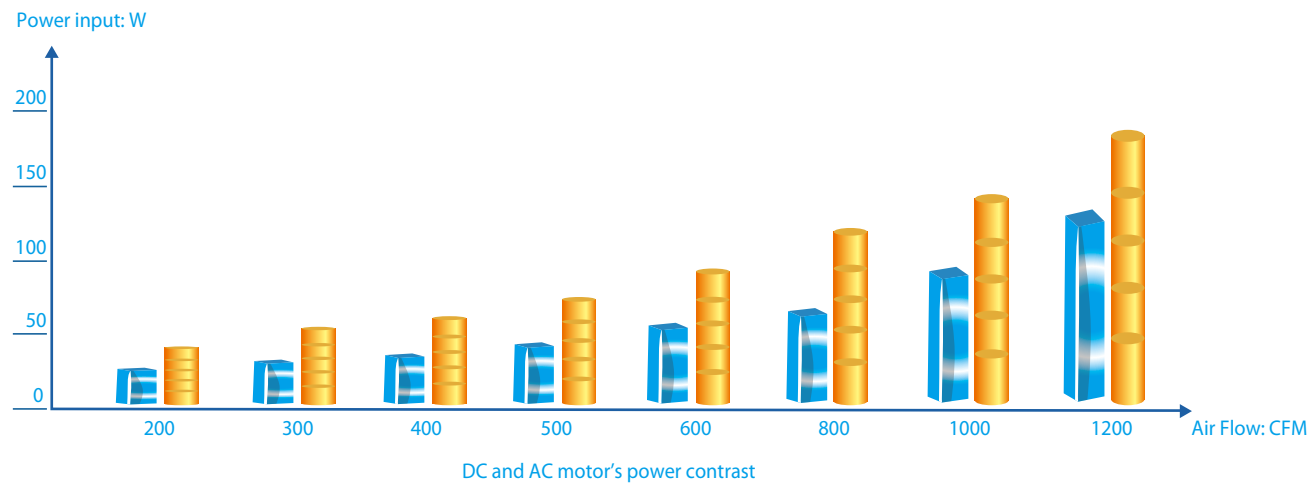
The DC fan coil units are the new energy saving products improved with advanced DC driven technology. The DC fan coil units have advanced technology of high energy efficiency, low noise operation and precise temperature control, so are ideal for hospitals, office building, hotels, airports and various other applications.



DC driven motor

Energy Efficiency, Comply with CE Regulation

The power consumption of DC driven fan coil units can be reduced up to 30% in comparison to corresponding AC type.



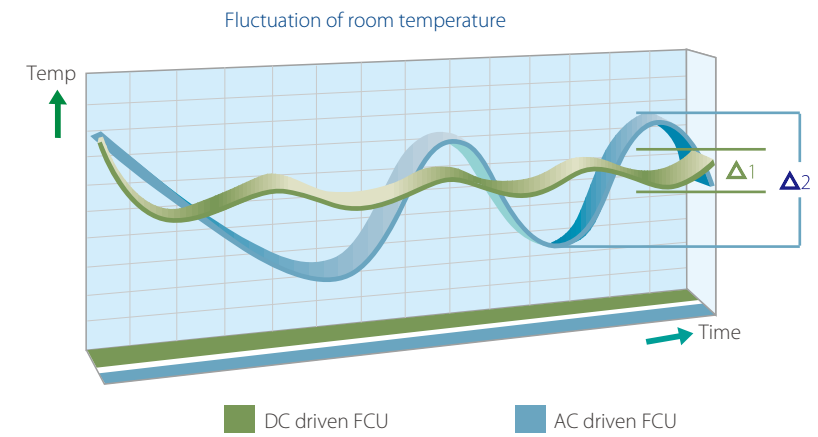
Quiet Operation

Unit noise is 2-5dB(A) lower compared to an AC motor fan coil unit, creating a quiet living environment.



Constant Level of Air Temperature and Humidity

The DC Inverter fan motor adjusts of air flow based on thermal load instantly providing less temperature fluctuation and an improved living environment.



Versatile Selection

YORK DC Fan Coil Units contain cassette units, ceiling & floor units with or without cabinet, wall-mounted units and duct units. The air volume ranges from 150CFM to 1500CFM. It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.



One-way Cassette



Model: 300/400/600 CFM



RC05Y



AMR15Y

Features

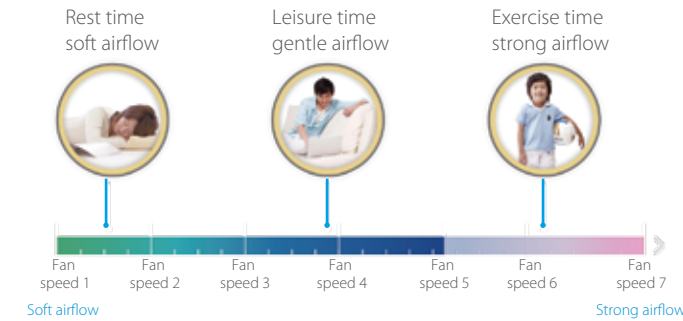
- Auto mode and 7 fan speed (by 15Y wired controller).
- Hysteresis temperature can be set in heating and cooling mode by PCB switch, field adjustable.
- With/without forced fan on can be set by PCB switch, field adjustable.
- The centralized control function can be connected through the XYE port (customized).
- Remote on/off function can be applied to turn on/off the unit.
- The Gateway(Modbus) can be connected through the PQE port(customized).
- Compatible with 0-10V input function(customized).

One way cassette has a compact size, it's suitable for application in narrow space such as the aisle, small office, elevator space etc.



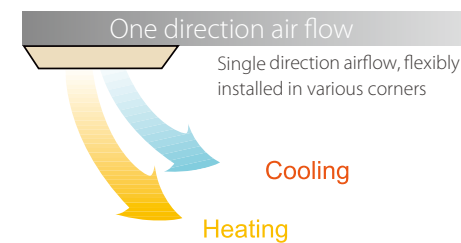
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions. (7 fan speed should be used AMR15Y wired controller)



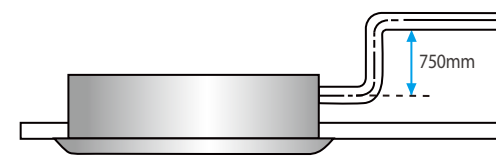
One Direction Air Flow

One direction air flow guarantees quick cooling, flexible installation positioning.



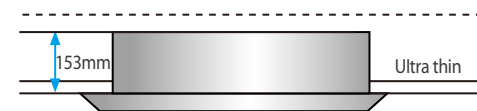
High-lift Pump

Standard built-in drain pump with 750mm pump head.



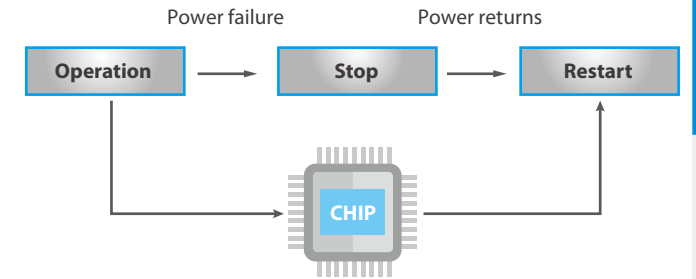
Min. 153mm Thickness

Compact design, ultra slim body with a minimum thickness of 153mm, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.



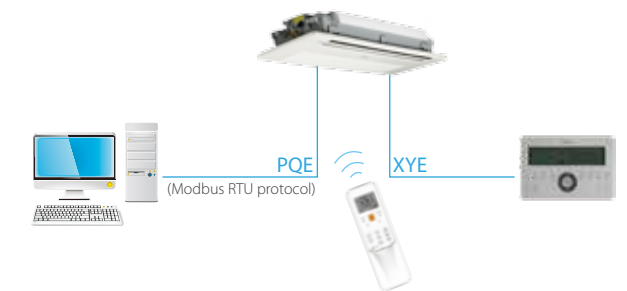
Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to YORK central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



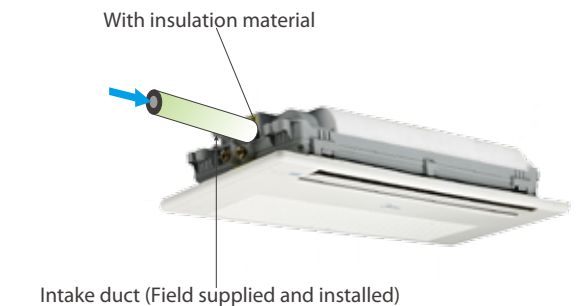
Fresh Air Intake

A reserved outside air intake port allows outdoor air to be induced directly into the unit, negating the need for a separate ventilation system.

Knock out hole is available in the unit.

Installation and accessories such as booster fan is field supplied and installed.

Fresh air intake must be within 5%-8% of total air flow.



Model			Y1GW03CDE--M-RX Y1GW03CDE--M-WX	Y1GW04CDE--M-RX Y1GW04CDE--M-WX	Y1GW05CDE--M-RX Y1GW05CDE--M-WX
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m ³ /h	510/432/330	630/509/428	1000/786/583
		CFM	300/254/194	371/299/252	588/462/343
Cooling	Capacity (H/M/L)	kW	2.64/2.23/1.68	3.94/3.43/3.07	5.09/4.36/3.58
	Water flow rate(H/M/L)	m ³ /h	0.49/0.42/0.33	0.6/0.52/0.45	0.87/0.7/0.55
	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
Heating	Capacity (H/M/L)	kW	3.85/3.27/2.53	4.86/3.94/3.24	6.49/5.3/4.01
	Water flow rate(H/M/L)	m ³ /h	0.5/0.42/0.32	0.59/0.49/0.42	0.86/0.67/0.48
	Water pressure drop(H/M/L)	kPa	7.72/5.75/3.28	20.12/15.50/12.42	32.36/24.57/16.37
	Power input(H/M/L)	W	16/11/8	16/12/10	31/20/12
Sound pressure level (H/M/L)		dB(A)	44.3/40.6/33.5	36.6/32.6/30.4	44.6/38.6/33.1
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7
Panel	Net dimensions (W×H×D)	mm	1180x25x465	1350x25x505	1350x25x505
	Packing size (W×H×D)	mm	1232x107x517	1410x95x560	1410x95x560
	Net weight	kg	3.5	4	4
	Gross weight	kg	5.2	5.4	5.4
Body	Net dimensions (W×H×D)	mm	1054x153x428	1275x189x450	1275x189x450
	Packing size (W×H×D)	mm	1155x245x490	1370x295x505	1370x295x505
	Net weight	kg	12.5	17.5	17.5
	Gross weight	kg	16.5	23.5	23.5
Pipe connections	Water inlet/outlet pipe	inch	G1/2	G1/2	G1/2
	Drain pipe	mm	ODΦ25	ODΦ25	ODΦ25

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.
3. Noise is tested in a semi-anechoic test room.
4. Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

Four-way Cassette



Model: 600/750/850/950/1200/1500 CFM



RC05Y



AMR12Y

Features

- 4-way air supply panel as standard.
- Fresh air intake. also supply to side room.
- Built-in PCB and drain pump with pump head-750mm.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Compatible with 0-10V input function(customized).
- Available for 2/4 pipe system



Stylish Panel with Large Airflow Outlet

4-way air supply panel is standard for 4-way cassette.

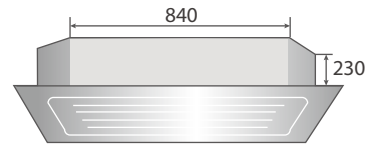
4-way panel



Various Selections

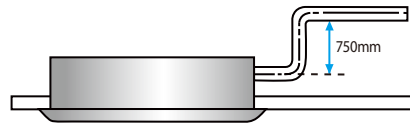
Versions for normal size.

The height of models 600 to 750 is just 230mm whilst models 850 to 1500 is 300mm, making the Four-way Cassette ideal for standard ceilings.



High-lift Drain Pump

A drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping.



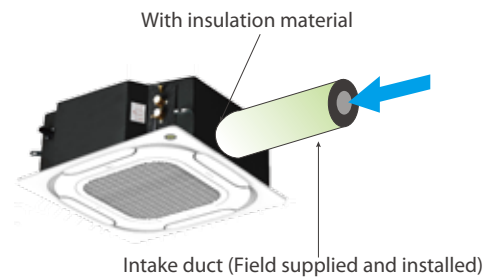
Fresh Air Intake

A reserved outside air intake port allows outdoor air to be induced directly into the unit, negating the need for a separate ventilation system.

Knock out hole is available in the unit.

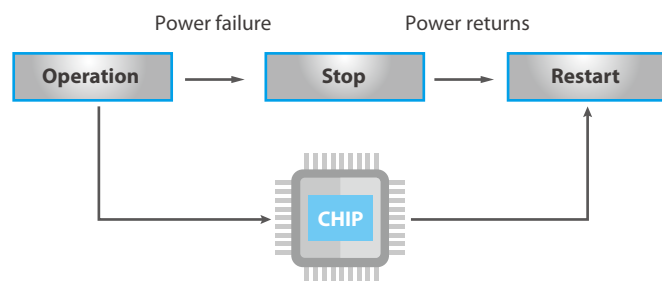
Accessories such as booster fan must be supplied on field and installed.

Fresh air intake must be within 5%-8% of total air flow.



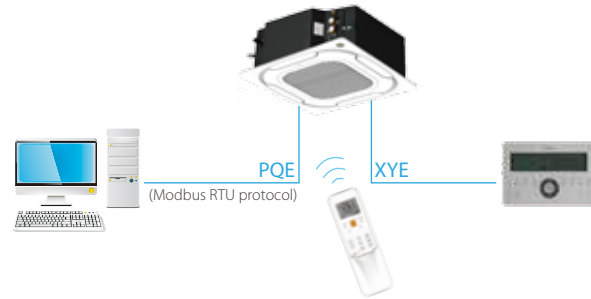
Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to YORK central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



2-Pipe 4-Way Cassette

Model		YKGW06CDE--M-RX YKGW06CDE--M-WX	YKGW07CDE--M-RX YKGW07CDE--M-WX	YKGW08CDE--M-RX YKGW08CDE--M-WX	
Power supply	V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	1175/987/768	1229/1020/810	1451/1146/1012	
	CFM	691/580/451	722/600/476	853/674/595	
Cooling ¹	Capacity (H/M/L)	kW	5.93/5.3/4.4	6.12/5.45/4.6	7.52/6.46/5.89
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
	Water pressure drop(H/M/L)	kPa	19.2/15.4/11	21.3/21.3/12.4	20.1/15.3/12.6
	Power input(H/M/L)	W	41/27/17	49/31/20	68/37/30
	Capacity (H/M/L)	kW	6.06/5.72/5.32	6.27/5.88/5.43	7.88/7.48/6.76
Heating ²	Water flow rate(H/M/L)	m³/h	1.30/1.14/1.13	1.39/1.20/1.00	1.66/1.39/1.25
	Water pressure drop(H/M/L)	kPa	25.9/20.1/19.9	30/22.7/16.3	26.7/18.8/15.6
	Power input(H/M/L)	W	42/28/17	44/32/21	66/37/28
	Capacity (H/M/L)	kW	8.42/7.37/6.06	8.62/7.49/6.27	10.37/8.72/7.88
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
Heating ³	Water pressure drop(H/M/L)	kPa	16.9/12.7/8.6	19.1/14.8/10.6	18.2/13.6/11.1
	Power input(H/M/L)	W	42/28/17	49/31/19	67/37/28
	Sound pressure level (H/M/L)	dB(A)	43/39/33	44/40/34	45/40/37
	Fan motor	Type	DC Motor		
	Quantity		1		
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row	2			
	Max. Working pressure	MPa	1.6		
	Diameter	mm	Ø7		
Panel	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6		
	Gross weight	kg	9		
	Net dimensions (WxHxD)	mm	840x230x840	840x230x840	840x300x840
Body	Packing size (WxHxD)	mm	900x237x900	900x237x900	900x330x900
	Net weight	kg	23		
	Gross weight	kg	28		
	Water inlet/outlet pipe	inch	RC3/4		
	Drain pipe	mm	ODØ82		

Model		YKGW09CDE--M-RX YKGW09CDE--M-WX	YKGW12CDE--M-RX YKGW12CDE--M-WX	YKGW15CDE--M-RX YKGW15CDE--M-WX	
Power supply	V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	1530/1224/1101	1581/1371/1236	1871/1415/1198	
	CFM	900/720/647	930/806/727	1100/832/704	
Cooling ¹	Capacity (H/M/L)	kW	7.84/6.84/6.35	7.87/7.12/6.67	11.19/8.82/7.48
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
	Water pressure drop(H/M/L)	kPa	22/17/14.1	22.3/18.1/16.3	36.6/22.7/16.4
	Power input(H/M/L)	W	75/42/34	85/59/45	126/58/39
	Capacity (H/M/L)	kW	8.49/8/7.35	9.16/8.54/7.9	10.07/9.37/8.68
Heating ²	Water flow rate(H/M/L)	m³/h	1.71/1.45/1.33	1.73/1.57/1.46	2.35/1.86/1.59
	Water pressure drop(H/M/L)	kPa	28.1/20.7/17.4	28.8/24/20.7	49.2/31.2/23.3
	Power input(H/M/L)	W	76/43/33	86/59/45	128/58/38
	Capacity (H/M/L)	kW	10.86/9.24/8.49	10.92/9.84/9.16	14.92/11.73/10.07
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
Heating ³	Water pressure drop(H/M/L)	kPa	19.9/15.2/12.6	20/16.2/14.7	34.3/21.3/15
	Power input(H/M/L)	W	76/42/33	85/58/45	127/58/39
	Sound pressure level (H/M/L)	dB(A)	46/42/39	48/44/41	49/43/39
	Fan motor	Type	DC Motor		
	Quantity		1		
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row	2			
	Max. Working pressure	MPa	1.6		
	Diameter	mm	Ø7		
Panel	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6		
	Gross weight	kg	9		
	Net dimensions (WxHxD)	mm	840x300x840	840x300x840	840x300x840
Body	Packing size (WxHxD)	mm	900x330x900	900x330x900	900x330x900
	Net weight	kg	27		
	Gross weight	kg	33		
	Water inlet/outlet pipe	inch	RC3/4		
	Drain pipe	mm	ODØ82		

Notes:

H:High fan speed; M: Medium fan speed; L: Low fan speed.

1:Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

2:Heating mode(1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3:Heating mode(2): (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4:Noise is tested in a semi-anechoic test room.

5:Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

4-Pipe 4-Way Cassette

Model		YKGW06CDE-FM-RX YKGW06CDE-FM-WX	YKGW07CDE-FM-RX YKGW07CDE-FM-WX	YKGW08CDE-FM-RX YKGW08CDE-FM-WX
Power supply	V/Ph/Hz	1184/997/783	220-240/1/50	1328/1052/927
Air flow (H/M/L)	m ³ /h	1184/997/783	1278/1057/855	1328/1052/927
	CFM	696/586/460	751/621/502	780/618/545
Cooling ¹	Capacity (H/M/L)	kW 4.96/4.383/3.642	5.178/4.563/3.875	5.129/4.413/4.06
	Water flow rate(H/M/L)	m ³ /h 0.9/0.8/0.67	0.94/0.83/0.71	0.93/0.81/0.75
	Water pressure drop(H/M/L)	kPa 14.8/11.5/8.1	15.9/12.4/9	16/14.2/10.4
	Power input(H/M/L)	W 62/44/30	72/50/35	80/49/40
Heating ²	Capacity (H/M/L)	kW 6.148/5.43/4.614	6.519/5.785/4.944	6.684/5.748/5.283
	Water flow rate(H/M/L)	m ³ /h 0.58/0.52/0.45	0.61/0.55/0.47	0.62/0.54/0.50
	Water pressure drop(H/M/L)	kPa 25.3/20.5/14.5	32/25.7/19.1	32.6/24.7/21.2
	Power input(H/M/L)	W 56/36/21	67/42/25	75/41/31
Heating ³	Capacity (H/M/L)	kW 6.94/6.217/5.266	7.374/6.533/5.6	7.657/6.584/6.033
	Water flow rate(H/M/L)	m ³ /h 0.64/0.58/0.50	0.68/0.61/0.53	0.71/0.61/0.57
	Water pressure drop(H/M/L)	kPa 37.2/26.1/19.3	39.5/32.5/23.8	41.6/31.5/26.8
	Power input(H/M/L)	W 55/36/21	68/43/25	76/42/31
Sound power level	(H/M/L) dB(A)	54/49/43	56/51/45	57/51/48
Sound pressure level	(H/M/L) dB(A)	42/37/31	44/39/33	45/39/36
Rated current	A	0.48	0.6	0.72
Fan motor	Type	7	DC motor	DC motor
	Quantity	1	1	1
Fan	Type	Centrifugal, forward-curved Blades		
	Quantity	1	1	1
Coil	Row	2	2	2
	Max. working pressure	MPa 1.6	1.6	1.6
	Diameter	mm Ø7	Ø7	Ø7
Panel	Net dimensions (WxHxD)	mm 950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm 1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg 6	6	6
	Gross weight	kg 9	9	9
Body	Net dimensions (WxHxD)	mm 840x300x840	840x300x840	840x300x840
	Packing size (WxHxD)	mm 900x330x900	900x330x900	900x330x900
	Net weight	kg 27.5	27.5	27.5
	Gross weight	kg 33.5	33.5	33.5
Pipe connections	Water inlet/outlet pipe	Cold water: RC3/4; Hot water: RC1/2		
	Drain pipe	mm ODØ32	ODØ32	ODØ32

Model		YKGW09CDE-FM-RX YKGW09CDE-FM-WX	YKGW12CDE-FM-RX YKGW12CDE-FM-WX	YKGW15CDE-FM-RX YKGW15CDE-FM-WX
Power supply	V/Ph/Hz	1403/1115/1001	220-240/1/50	1708/1297/1096
Air flow (H/M/L)	m ³ /h	1403/1115/1001	1642/1421/1285	1708/1297/1096
	CFM	824/655/588	965/835/755	1004/762/644
Cooling ¹	Capacity (H/M/L)	kW 5.306/4.593/4.279	7.984/7.245/6.697	8.038/6.623/5.837
	Water flow rate(H/M/L)	m ³ /h 0.96/0.84/0.78	1.42/1.29/1.2	1.43/1.19/1.05
	Water pressure drop(H/M/L)	kPa 16.4/12.6/10.9	33.9/30/24	33/22.6/17.7
	Power input(H/M/L)	W 90/54/43	121/83/66	139/70/49
Heating ²	Capacity (H/M/L)	kW 6.736/5.833/5.442	9.746/8.962/8.422	9.93/8.326/7.512
	Water flow rate(H/M/L)	m ³ /h 0.63/0.55/0.52	0.89/0.82/0.77	0.90/0.76/0.69
	Water pressure drop(H/M/L)	kPa 34/26.6/23.5	42.4/36.6/32.6	48.7/32.5/27
	Power input(H/M/L)	W 84/46/35	118/79/61	125/64/42
Heating ³	Capacity (H/M/L)	kW 7.659/6.646/6.204	11.045/10.149/9.527	11.342/9.596/8.683
	Water flow rate(H/M/L)	m ³ /h 0.71/0.62/0.58	1.0/0.92/0.87	1.02/0.87/0.79
	Water pressure drop(H/M/L)	kPa 43.8/33.5/29.3	52.1/44.9/40.6	62.1/45.7/38.3
	Power input(H/M/L)	W 84/45/35	118/79/61	125/64/42
Sound power level	(H/M/L) dB(A)	58/53/50	60/56/54	61/55/50
Sound pressure level	(H/M/L) dB(A)	46/41/38	48/44/42	49/43/38
Rated current	A	0.72	1.08	1.32
Fan motor	Type	DC motor	DC motor	DC motor
	Quantity	1	1	1
Fan	Type	Centrifugal, forward-curved Blades		
	Quantity	1	1	1
Coil	Row	2	3	3
	Max. working pressure	MPa 1.6	1.6	1.6
	Diameter	mm Ø7	Ø7	Ø7
Panel	Net dimensions (WxHxD)	mm 950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm 1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg 6	6	6
	Gross weight	kg 9	9	9
Body	Net dimensions (WxHxD)	mm 840x300x840	840x300x840	840x300x840
	Packing size (WxHxD)	mm 900x330x900	900x330x900	900x330x900
	Net weight	kg 27.5	30	30
	Gross weight	kg 32.4	35	35
Pipe connections	Water inlet/outlet pipe	Cold water: RC3/4; Hot water: RC1/2		
	Drain pipe	mm ODØ32	ODØ32	ODØ32

Notes:

- H: High fan speed; M: Medium fan speed; L: Low fan speed.
- 1: Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C.
- 2: Heating mode(1): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.
- 3: Heating mode(2): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 70/60°C.
- 4.Sound pressure level is tested in a semi-anechoic test room.
- 5.Sound power level is tested in a reverberation chamber.
- 6.Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

Compact Four-way Cassette



Model: 300/400/500 CFM



RC05Y



AMR12Y

Features

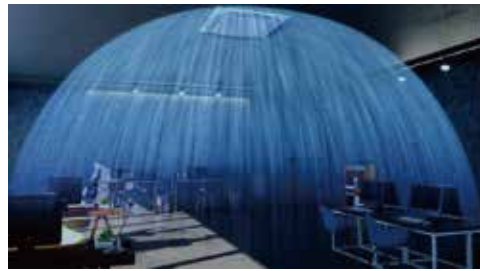
- 360° air supply panel is standard
- Fresh air intake, also supply to side room.
- Built-in PCB and drain pump with pump head-500mm.
- Remote controller with LED display is standard, wired controller is optional.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Available for 2/4 pipe system.

Compact design allows installation in shallow ceilings.



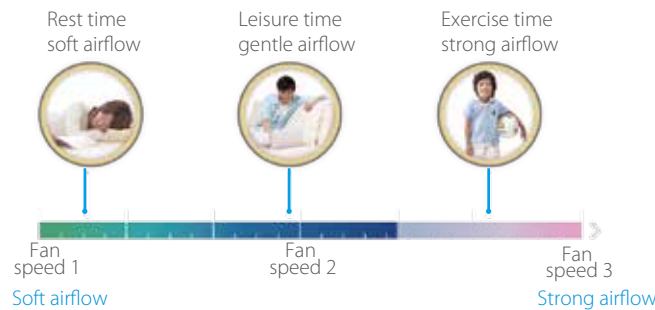
360° Airflow

The Compact Four-way Cassette's 360° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



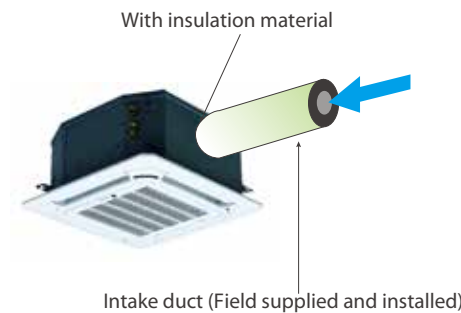
Fresh Air Intake

A reserved outside air intake port allows outdoor air to be induced directly into the unit, negating the need for a separate ventilation system.

Knock out hole is available in the unit.

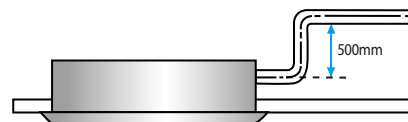
Accessories such as booster fan must be supplied on field and installed.

Fresh air intake must be within 5%-8% of total air flow.



High-lift Drain Pump

A drain pump with a 500mm pump head is fitted as standard, simplifying installation of the drain piping.



2-Pipe Compact 4-Way Cassette

Model	YTGW03CDE--M-RX		YTGW04CDE--M-RX		YTGW05CDE--M-RX		
	YTGW03CDE--M-WX		YTGW04CDE--M-WX		YTGW05CDE--M-WX		
Power supply	V/Ph/Hz		220-240/1/50				
Air flow (H/M/L)	m³/h		535/429/322		610/477/381		
	CFM		314/252/189		359/281/224		
Cooling¹	Capacity (H/M/L)	kW	2.98/2.53/2		3.96/3.26/2.76		
	Water flow rate(H/M/L)	m³/h	0.53/0.45/0.35		0.70/0.58/0.51		
	Water pressure drop(H/M/L)	kPa	10/7/5		11.48/8.2/6.54		
	Power input(H/M/L)	W	15/9/5		28/15/9		
Heating²	Capacity (H/M/L)	kW	2.61/2.31/2.24		4.08/3.34/2.73		
	Water flow rate(H/M/L)	m³/h	0.64/0.54/0.42		0.83/0.67/0.56		
	Water pressure drop(H/M/L)	kPa	12.1/8.5/5.3		9.2/8.6/6		
	Power input(H/M/L)	W	15/9/5		28/16/10		
Heating³	Capacity (H/M/L)	kW	4.01/3.35/2.61		4.78/3.84/3.18		
	Water flow rate(H/M/L)	m³/h	0.53/0.45/0.35		0.70/0.58/0.51		
	Water pressure drop(H/M/L)	kPa	8.2/6/3.8		12.68/6.4/4.92		
	Power input(H/M/L)	W	14/9/5		28/16/10		
Sound pressure level	(H/M/L)	dB(A)	39/33/27		42/36/30		
Fan motor	Type	DC Motor				DC Motor	
	Quantity	1				1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1				1	
Coil	Row	2				2	
	Max. working pressure	MPa	1.6		1.6		
Panel	Diameter	mm	Ø7		Ø7		
	Net dimensions (WxHxD)	mm	647x50x647		647x50x647		
	Packing size (WxHxD)	mm	715x123x715		715x123x715		
	Net weight	kg	2.5		2.5		
Body	Gross weight	kg	4.5		4.5		
	Net dimensions (WxHxD)	mm	575x261x575		575x261x575		
	Packing size (WxHxD)	mm	670x290x670		670x290x670		
	Net weight	kg	16.5		16.5		
Pipe connections	Gross weight	kg	22.5		22.5		
	Water inlet/outlet pipe	inch	G3/4		G3/4		
	Drain pipe	mm	ODØ25		ODØ25		

4-Pipe Compact 4-Way Cassette

Model	YTGW03CDE-FM-RX		YTGW04CDE-FM-RX		YTGW05CDE-FM-RX		
	YTGW03CDE-FM-WX		YTGW04CDE-FM-WX		YTGW05CDE-FM-WX		
Power supply	V/Ph/Hz		220-240/1/50				
Air flow (H/M/L)	m³/h		493/395/295		669/523/415		
	CFM		290/232/173		393/307/244		
Cooling¹	Capacity (H/M/L)	kW	2.161/1.861/1.485		2.777/2.375/2.045		
	Water flow rate(H/M/L)	m³/h	0.42/0.37/0.3		0.56/0.49/0.43		
	Water pressure drop(H/M/L)	kPa	17.4/13.5/9.3		13.15/9.4/7		
	Power input(H/M/L)	W	15/10/6		30/26/21		
Heating²	Capacity (H/M/L)	kW	3.131/2.628/2.077		3.711/3.138/2.65		
	Water flow rate(H/M/L)	m³/h	0.32/0.28/0.23		0.37/0.32/0.28		
	Water pressure drop(H/M/L)	kPa	23.5/17.1/11.3		24.1/17.9/13.1		
	Power input(H/M/L)	W	17/10/6		32/18/11		
Heating³	Capacity (H/M/L)	kW	3.564/2.989/2.356		4.251/3.584/3.023		
	Water flow rate(H/M/L)	m³/h	0.36/0.31/0.25		0.41/0.36/0.31		
	Water pressure drop(H/M/L)	kPa	29.8/21.7/14.3		30.4/22.2/16.7		
	Power input(H/M/L)	W	17/10/6		31/18/11		
Sound power level	(H/M/L)	dB(A)	51/45/39		54/47/42		
Sound pressure level	(H/M/L)	dB(A)	39/33/27		42/35/30		
Rated current	A	0.24		0.36			
Fan motor	Type	DC motor				DC motor	
	Quantity	1				1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1				1	
Coil	Row	2				2	
	Max. working pressure	MPa	1.6		1.6		
Panel	Diameter	mm	Ø7		Ø7		
	Net dimensions (WxHxD)	mm	647x50x647		647x50x647		
	Packing size (WxHxD)	mm	715x123x715		715x123x715		
	Net weight	kg	2.5		2.5		
Body	Gross weight	kg	4.5		4.5		
	Net dimensions (WxHxD)	mm	575x261x575		575x261x575		
	Packing size (WxHxD)	mm	675x320x675		675x320x675		
	Net weight	kg	16.7		16.7		
Pipe connections	Gross weight	kg	22.7		22.7		
	Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2				
	Drain pipe	mm	ODØ25		ODØ25		

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1: Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C/12°C.

2: Heating mode(1): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.

3: Heating mode(2): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 70/60°C.

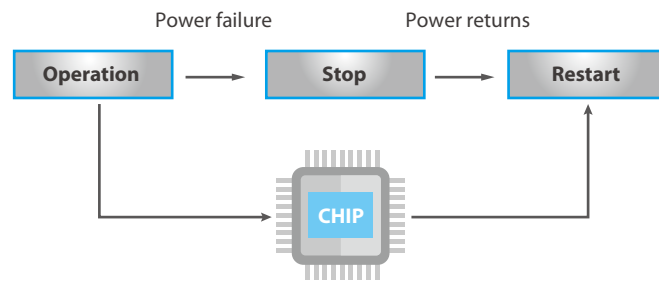
4.Sound pressure level is tested in a semi-anechoic test room.

5.Sound power level is tested in a reverberation chamber.

6.Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

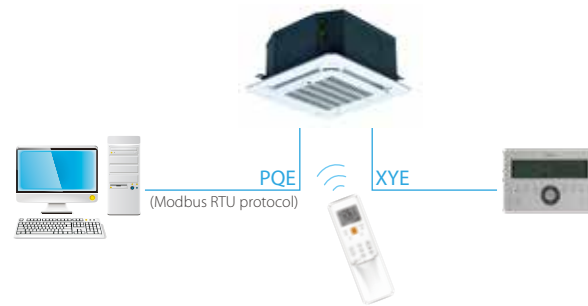
Auto restart

In the event of a sudden power failure during operation,unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



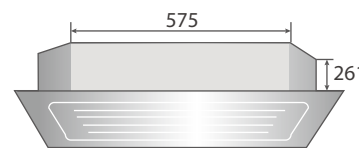
Control solutions

The fan coil units can be connected to YORK central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.

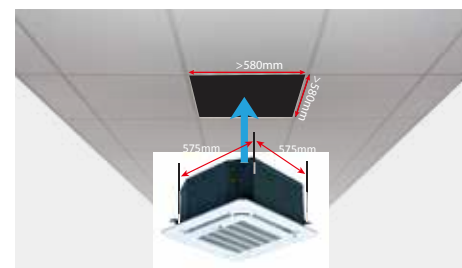


Compact design

The height of models 300 to 500 is just 261mm, making the Compact Four-way Cassette ideal for standard ceilings.



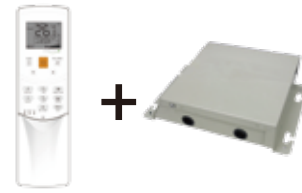
Compact Four-way Cassette body dimension is only 575 mm x 575 mm which can easily fits into less to 585 mm ceiling grid.



Duct series



Model: 200/300/400/600/800/1000/1200CFM



RC05Y+FCU KIT
Optional

Features

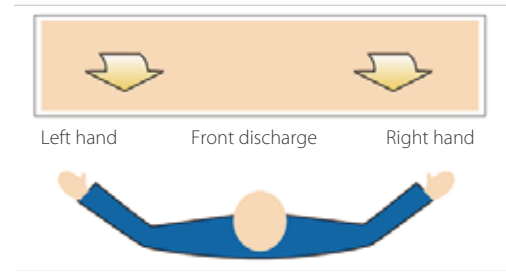
- 2 row for 2-pipe system.
- Different static pressures (12/30/50Pa) can be selected by dialing the PCB.
- Washable filter: Iron frame filter is standard, and aluminum frame filter can be customized.
- Compatible with two types of air return: Back return is standard, bottom return is optional.
- Left or right hand piping connections are easily change in filed.
- Available for fresh air intake.

Slim, compact design for limited space with duct distribution to the indoor space.



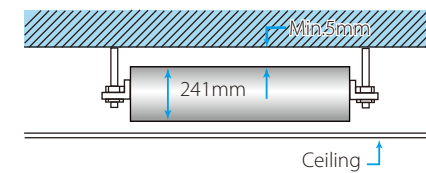
Flexible Installation

Left and right hand piping connections are optional, flexible installation.



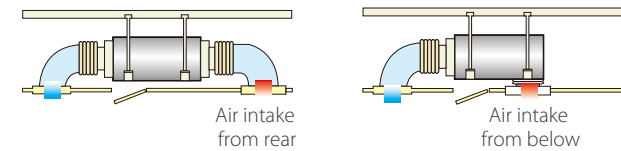
Compact Size

All the units are 241mm high, easy for limited space to installation.



Flexible Air Inlet Port Installation

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the under-side or the rear of the unit.

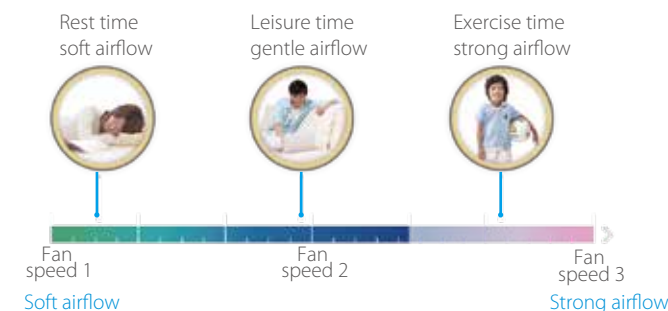


Extension water pan are optional to protect the ceiling from moisture.



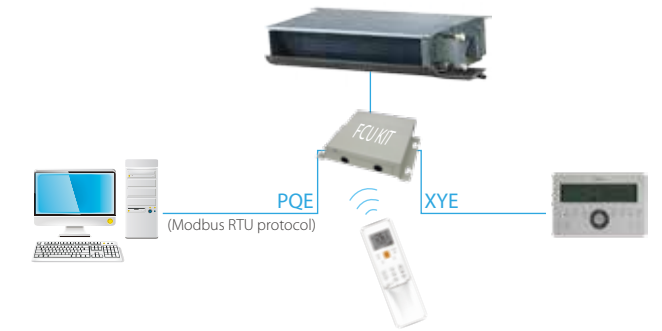
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Control solutions

The duct series controlled by Wired controller, Central controller or BMS need to be customization FCU KIT.



Fresh Air Intake

A reserved outside air intake port allows outdoor air to be induced directly into the unit, negating the need for a separate ventilation system.

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.

Fresh air intake is within 5%-8% of the total air flow.



Washable filter

Iron frame filter is standard, and aluminum frame filter can be customized.

Air outlet flange and multi-direction pull-out filter can be customized.



2-Pipe 2-Row Duct

Model		YAGW02CDE--M-RX YAGW02CDE--M-WX	YAGW03CDE--M-RX YAGW03CDE--M-WX	YAGW04CDE--M-RX YAGW04CDE--M-WX	YAGW05CDE--M-RX YAGW05CDE--M-WX	
Power supply	V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)	m ³ /h	439/295/221	615/439/310	792/622/413	887/620/443	
	CFM	258/173/130	361/258/182	465/365/242	521/364/260	
Standard external static pressure	Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	2.02/1.52/1.17	2.82/2.33/1.79	3.31/2.78/2.14	3.83/3.16/2.55
	Water flow rate(H/M/L)	m ³ /h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop(H/M/L)	kPa	6.3/3.62/2.17	14.16/10.5/7.33	19.37/14.79/9.57	23.7/17.1/11.9
	Power input(H/M/L)	W	18/9/6	25/15/11	29/16/9	42/20/11
Heating ²	Capacity (H/M/L)	kW	2.57/1.89/1.47	3.56/2.8/2.08	4.19/3.42/2.49	4.84/3.9/3.01
	Water flow rate(H/M/L)	m ³ /h	0.47/0.34/0.27	0.62/0.50/0.37	0.72/0.6/0.45	0.84/0.69/0.53
	Water pressure drop(H/M/L)	kPa	5.64/4.5/2.9	10.54/10.3/6.3	16.20/16.6/10	30.8/32.4/20
	Power input(H/M/L)	W	19/9/7	25/15/11	32/17/9	45/22/12
Heating ³	Capacity (H/M/L)	kW	2.98/2.22/1.73	4.12/3.26/2.39	4.91/4.1/3.02	5.6/4.49/3.45
	Water flow rate(H/M/L)	m ³ /h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop(H/M/L)	kPa	7.91/3.5/2.2	15.39/7.41/4.83	23/12.09/7.81	29.04/14.16/9.71
	Power input(H/M/L)	W	19/9/7	25/15/11	31/18/9	45/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	37.5/27.4/24.0	40.3/33.1/26.7	41.1/34.7/26.8	44.6/36.8/29.4
Fan motor	Type	DC Motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	2				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	
Packing size (WxHxD)	mm	790x260x555	890x260x560	990x260x560	990x260x560	
Net weight	kg	16.5	18.5	20	20	
Gross weight	kg	19	21.4	23.2	23.2	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

Model		YAGW06CDE--M-RX YAGW06CDE--M-WX	YAGW08CDE--M-RX YAGW08CDE--M-WX	YAGW10CDE--M-RX YAGW10CDE--M-WX	YAGW12CDE--M-RX YAGW12CDE--M-WX	
Power supply	V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)	m ³ /h	1081/821/586	1492/1071/797	1824/1332/906	2327/1669/1135	
	CFM	635/482/344	877/630/468	1072/783/532	1368/981/667	
Standard external static pressure	Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	4.78/4.01/3.09	6.7/5.49/4.45	7.92/6.62/5.15	9.83/8.5/6.46
	Water flow rate(H/M/L)	m ³ /h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop(H/M/L)	kPa	14.2/9.8/6.1	15.1/10.89/7.82	23.2/16.44/10.94	50.33/30.4/21.71
	Power input(H/M/L)	W	53/25/12	62/28/16	93/42/19	111/53/24
Heating ²	Capacity (H/M/L)	kW	6.25/5.17/4.03	8.39/6.64/5.2	9.92/7.94/5.86	12.58/10.24/7.57
	Water flow rate(H/M/L)	m ³ /h	1.10/0.91/0.7	1.46/1.17/0.91	1.69/1.38/1.01	2.17/1.79/1.34
	Water pressure drop(H/M/L)	kPa	12.36/14.2/8.9	13.26/13.1/8.28	19.72/18.87/11.07	38.30/41.81/26.5
	Power input(H/M/L)	W	58/27/13	66/30/16	100/44/19	118/55/24
Heating ³	Capacity (H/M/L)	kW	7.19/5.92/4.55	9.87/7.83/6.29	11.63/9.37/6.96	14.58/11.82/8.83
	Water flow rate(H/M/L)	m ³ /h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop(H/M/L)	kPa	19.88/8.56/5.4	19.36/9.03/6.4	26.68/13.96/9.1	60.7/26.5/17.8
	Power input(H/M/L)	W	58/27/13	66/30/17	99/45/19	119/55/24
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/38.9/29.9	47.7/39.4/31.1	50.2/43.0/33.0	50.9/44.0/33.8
Fan motor	Type	DC Motor				
	Quantity	2				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	4				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	1161x241x522	1461x241x522	1566x241x522	1856x241x522	
Packing size (WxHxD)	mm	1210x260x560	1510x260x560	1615x260x560	1905x260x560	
Net weight	kg	22.2	31.4	32.5	37.5	
Gross weight	kg	26	35.8	37.2	42.8	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

- Notes:
- H: High fan speed; M: Medium fan speed; L: Low fan speed.
 - Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C/12°C.
 - Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.
 - Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)
 - Sound pressure level is tested in a semi-anechoic test room.
 - The external static pressure test condition is 0 Pa.
 - Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

Wall Mounted Series



Model: 250/300/400/500/600 CFM



RC05Y



AMR12Y

Features

- Built-in 3-way electromagnetic valve.
- Remote controller as standard, wired controller is optional.
- Easy and low cost installation.
- The panel can be easily removed, simple maintenance and easy to change filter.
- Multi-directional outlet pipe feature: left/right/rear, to meet the needs of different rooms.
- Compatible with 0-10V input/output function(customized).

Stylish panel, ideal for rooms with no or narrow ceilings.



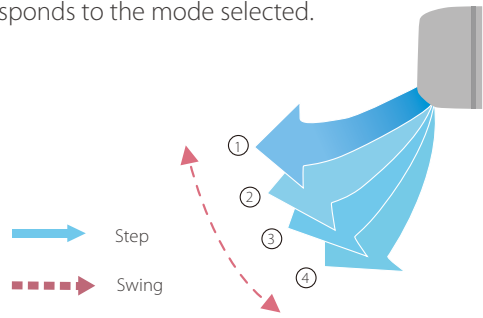
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



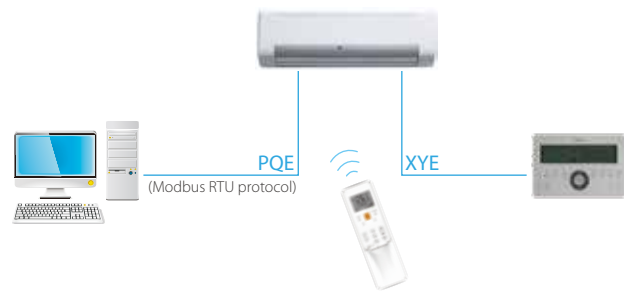
Auto Swing Louver

The Auto Swing Louver function ensures that the air direction corresponds to the mode selected.



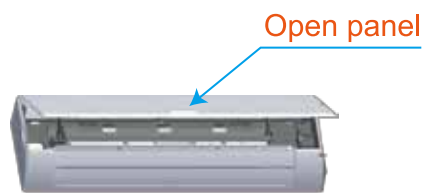
Control solutions

The fan coil units can be connected to YORK central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



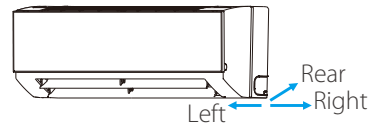
Easy Maintenance

Removable front panel making maintenance convenient.



Flexible Pipe Outlet Direction

Multi-outlet pipe method for both water pipe and drain pipe: left/right/rear, more flexible for installation.



Exposed Installation, No Need Ceilings

The Wall Mounted can be installed against a wall, no need ceilings, simplifying installation.



Wall Mounted



Model			YHGW02CDE--M-RX	YHGW03CDE--M-RX	YHGW04CDE--M-RX	YHGW05CDE--M-RX	YHGW06CDE--M-RX
			YHGW02CDE--M-WX	YHGW03CDE--M-WX	YHGW04CDE--M-WX	YHGW05CDE--M-WX	YHGW06CDE--M-WX
Power supply	V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)	m³/h		492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
	CFM		289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling ¹	Capacity (H/M/L)	kW	2.7/2.59/2.39	2.91/2.54/2.19	3.81/3.3/2.88	4.47/3.98/3.48	4.87/4.26/3.79
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	31.61/28.63/25.36	37.2/29.73/23.36	56.75/41.23/33.02	41.17/33.54/27.05	50.68/39.47/33.66
	Power input(H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
Heating ²	Capacity (H/M/L)	kW	2.94/2.8/2.58	3.23/2.77/2.42	4.3/3.65/3.09	4.84/4.23/3.62	5.26/4.68/3.96
	Water flow rate(H/M/L)	m³/h	0.51/0.49/0.46	0.56/0.49/0.42	0.73/0.64/0.56	0.84/0.73/0.64	0.89/0.80/0.68
	Water pressure drop(H/M/L)	kPa	32.66/34.89/30.24	34.12/31.53/25.1	51.86/47.53/35.69	36.82/33.83/26.26	47.12/42.75/32.95
	Power input(H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
Heating ³	Capacity (H/M/L)	kW	3.29/3.03/2.63	3.76/3.22/2.77	5.08/4.33/3.77	5.68/4.94/4.24	6.31/5.57/4.77
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	37.49/30.25/26.53	40.64/27.03/20.98	61.94/37.88/30.34	43.74/29.69/23.98	51.65/36.3/30.3
	Power input(H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound pressure level (H/M/L)	dB(A)		32/30/27	32/27/23	45/39/35	38/34/30	44/40/35
Fan motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Quantity		1	1	1	1	1
Fan	Type		Tangential fan	Tangential fan	Tangential fan	Tangential fan	Tangential fan
	Quantity		1	1	1	1	1
Coil	Row		2	2	2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7	Ø7	Ø7
Net dimensions (W×H×D)	mm		915×290×230	915×290×230	915×290×230	1072×315×230	1072×315×230
Packing size (W×H×D)	mm		1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net weight	kg		12.7	12.7	12.7	15.1	14.9
Gross weight	kg		17.3	17.6	16.3	19	18.6
Water inlet/outlet pipe	inch		G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe	mm		ODØ20	ODØ20	ODØ20	ODØ20	ODØ20

Notes:
 Based on Eurovent conditions:
 H: High fan speed; M: Medium fan speed; L: Low fan speed.
 1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.
 2 :Heating mode (1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C, high fan speed.
 3 :Heating mode (2): (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/^(same water flow as in standard rating condition in cooling)
 4: Model "-RX" is standard with remote controller; model "-WX" is standard with wired controller.

Ceiling&Floor series



Model: 150/250/350/500/700/800 CFM



AMR15Y

Features

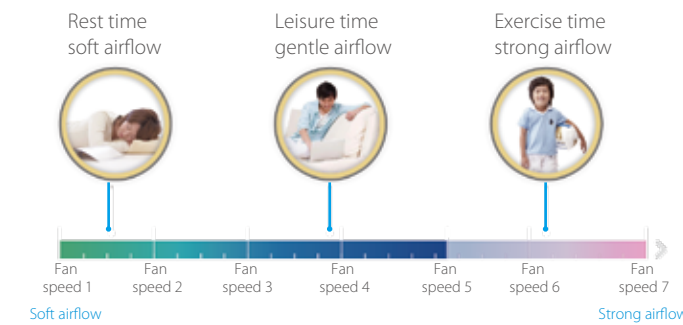
- 3 or 4 rows coil are optional for whole series .
- 2-Pipe for whole series.
- Ultra-thin with 200 mm thickness.
- Hysteresis temperature can be set in heating and cooling mode by PCB switch, field adjustable.
- With/without forced fan on can be set by PCB switch, field adjustable.
- The XYE port(Centralized) and PQE port (Modbus) are can be customized.
- Compatible with 0-10V input/output function(customized).
- Floor standing/Horizontal/ Concealed type installation available (For floor standing : The footing is optional).
- Auto mode and 7 fan speed (by 15Y wired controller).

Floor standing unit with multi casing options can be installed quickly and easily in new or existing facilities in a variety of applications



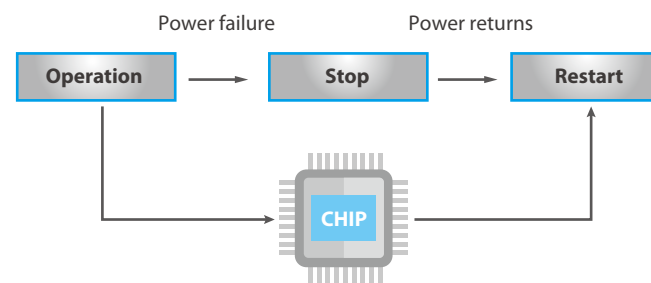
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions. (7 fan speed should be used AMR15Y wired controller)



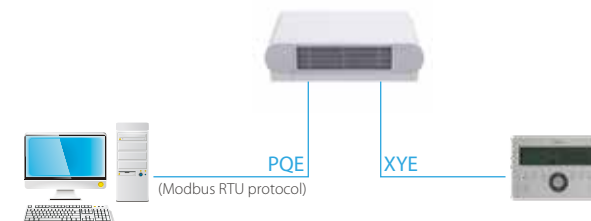
Auto restart

In the event of a sudden power failure during operation,unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to YORK central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the H3 (concealed) unit is designed to be concealed in walls while the H2 (underside air intake) offer a choice of air intake options.

Concealed Type H3 Series



Exposed Type (air return from bottom) H2 Series



Ease of Installation and Maintenance

The ceiling and floor unit offers exposed installation. The installation and maintenance is easy. The maintenance of the machine is quite easy and the key components can be accessed from the bottom of the machine.



Ceiling and Floor Installation Option

The unit is uniquely designed with the possibility to be installed beneath the ceiling on the floor to suit any interior design requirements.



Model		YFGW03CDL--M3RN YFGW03CDL--M3WN	YFGW03CDL--M4RN YFGW03CDL--M4WN	YFGW04CDL--M3RN YFGW04CDL--M3WN	YFGW04CDL--M4RN YFGW04CDL--M4WN	YFGW05CDL--M3RN YFGW05CDL--M3WN	YFGW05CDL--M4RN YFGW05CDL--M4WN	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	255/170/150	255/210/150	400/315/190	425/300/190	595/470/340	595/450/310	
	CFM	150/100/88	150/124/88	235/185/112	250/176/112	350/276/200	350/265/182	
External static pressure	Pa	12						
Cooling	Capacity (H/M/L)	kW	1.50/1.06/0.92	1.95/1.66/1.21	2.35/1.94/1.19	2.85/2.13/1.41	3.50/2.89/2.22	3.90/3.20/2.43
	Water flow rate(H/M/L)	m³/h	0.26/0.18/0.16	0.33/0.28/0.21	0.40/0.34/0.21	0.49/0.37/0.24	0.60/0.50/0.38	0.67/0.55/0.42
	Water pressure drop(H/M/L)	kPa	13.9/8.21/6.16	27.2/20.88/12.2	13.3/9.98/4.59	26/15.06/7.41	34.1/24.63/15.39	37.4/25.91/15.37
Heating	Capacity (H/M/L)	kW	1.57/1.07/0.92	2.05/1.75/1.25	2.60/2.11/1.34	2.95/2.15/1.42	3.80/3.10/2.35	4.00/3.22/2.50
	Water flow rate(H/M/L)	m³/h	0.27/0.19/0.16	0.35/0.30/0.22	0.45/0.37/0.23	0.51/0.37/0.24	0.65/0.53/0.40	0.70/0.56/0.43
	Water pressure drop(H/M/L)	kPa	15.1/7.63/5.84	25.3/19.65/10.25	14.3/10.33/4.5	24.4/13.65/6.64	35.1/24.41/14.82	36.5/25.34/14.22
Power input (H/M/L)	W	15/9/8	20/14/9	17/12/7	20/11/8	26/17/10	29/17/11	
Sound power level	(H/M/L) dB(A)	47/36/34	52/46/38	43/37/29	46/37/29	52/44/36	52/45/36	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	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 (WxHxD)	mm	637x455x200	637x455x200	867x455x200	867x455x200	1087x455x200	1087x455x200
	Packing size (WxHxD)	mm	755x555x255	755x555x255	985x555x255	985x555x255	1205x555x255	1205x555x255
	Net weight	kg	11.8	12.1	13.9	14.8	17.3	18.2
	Gross weight	kg	16.1	16.4	19.4	20.3	24.0	24.9
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	

Model		YFGW06CDL--M3RN YFGW06CDL--M3WN	YFGW06CDL--M4RN YFGW06CDL--M4WN	YFGW07CDL--M3RN YFGW07CDL--M3WN	YFGW07CDL--M4RN YFGW07CDL--M4WN	YFGW08CDL--M3RN YFGW08CDL--M3WN	YFGW08CDL--M4RN YFGW08CDL--M4WN	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	790/580/410	800/600/420	1190/855/505	1190/875/530	1360/1015/685	1300/980/680	
	CFM	488/359/253	471/353/247	700/503/297	700/515/312	800/597/403	765/576/400	
External static pressure	Pa	12						
Cooling	Capacity (H/M/L)	kW	4.30/3.48/2.71	4.85/3.92/2.93	5.60/4.47/3.14	6.35/5.19/3.62	7.35/6.12/4.57	8.25/6.65/4.84
	Water flow rate(H/M/L)	m³/h	0.74/0.60/0.47	0.83/0.67/0.51	0.96/0.77/0.54	1.09/0.90/0.63	1.27/1.05/0.79	1.43/1.14/0.83
	Water pressure drop(H/M/L)	kPa	54.2/36.22/22.78	54.3/36.81/21.77	50.7/33.38/17.73	32.8/21.75/11.43	44.1/33.7/19.41	71.4/46.17/25.39
Heating	Capacity (H/M/L)	kW	4.70/3.70/2.81	5.25/4.09/3.04	6.00/4.77/3.36	7.05/5.61/3.83	8.05/6.46/4.71	8.70/6.81/4.85
	Water flow rate(H/M/L)	m³/h	0.81/0.64/0.48	0.91/0.71/0.53	1.04/0.83/0.59	1.22/0.98/0.67	1.39/1.12/0.82	1.51/1.18/0.83
	Water pressure drop(H/M/L)	kPa	54.3/36.87/22.32	53.4/36.54/20.47	55.5/37.66/19.27	37.6/25.47/12.5	46.9/31.9/18.16	62.6/41.06/21.68
Power input (H/M/L)	W	50/25/14	52/28/15	96/44/17	92/46/19	113/53/22	102/49/22	
Sound power level	(H/M/L) dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/49	63/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	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 (WxHxD)	mm	1087x455x200	1087x455x200	1207x455x200	1207x455x200	1207x550x200	1207x550x200
	Packing size (WxHxD)	mm	1205x555x255	1205x555x255	1325x555x255	1325x555x255	1325x650x255	1325x650x255
	Net weight	kg	17.3	18.2	19.6	20.8	23.1	24.3
	Gross weight	kg	24.0	24.9	26.4	27.6	30.2	31.4
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.
3. Noise is tested in a reverberation chamber.
4. H3 series test with concealed tooling.
5. Model "-RN" is standard with remote controller; model "-WN" is standard with wired controller.

Model		YFGW03CDL--M3RT YFGW03CDL--M3WT	YFGW03CDL--M4RT YFGW03CDL--M4WT	YFGW04CDL--M3RT YFGW04CDL--M3WT	YFGW04CDL--M4RT YFGW04CDL--M4WT	YFGW05CDL--M3RT YFGW05CDL--M3WT	YFGW05CDL--M4RT YFGW05CDL--M4WT	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	255/170/150	255/210/150	400/315/190	425/300/190	595/470/340	595/450/310	
	CFM	150/100/88	150/124/88	235/185/112	250/176/112	350/276/200	350/265/182	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	1.50/1.06/0.92	1.95/1.66/1.21	2.35/1.94/1.19	2.85/2.13/1.41	3.50/2.89/2.22	3.90/3.20/2.43
	Water flow rate(H/M/L)	m³/h	0.26/0.18/0.16	0.33/0.28/0.21	0.40/0.34/0.21	0.49/0.37/0.24	0.60/0.50/0.38	0.67/0.55/0.42
	Water pressure drop(H/M/L)	kPa	13.9/8.21/6.16	27.2/20.88/12.2	13.3/9.98/4.59	26/15.06/7.41	34.1/24.63/15.39	37.4/25.91/15.37
Heating	Capacity (H/M/L)	kW	1.57/1.07/0.92	2.05/1.75/1.25	2.60/2.11/1.34	2.95/2.15/1.42	3.80/3.10/2.35	4.00/3.22/2.50
	Water flow rate(H/M/L)	m³/h	0.27/0.19/0.16	0.35/0.30/0.22	0.45/0.37/0.23	0.51/0.37/0.24	0.65/0.53/0.40	0.70/0.56/0.43
	Water pressure drop(H/M/L)	kPa	15.1/7.63/5.84	25.3/19.65/10.25	14.3/10.33/4.5	24.4/13.65/6.64	35.1/24.41/14.82	36.5/25.34/14.22
Power input (H/M/L)	W	15/9/8	20/14/9	17/12/7	20/11/8	26/17/10	29/17/11	
Sound power level	(H/M/L) dB(A)	47/36/34	52/46/38	43/37/29	46/37/29	52/44/36	52/45/36	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	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 (WxHxD)	mm	790x495x200	790x495x200	1020x495x200	1020x495x200	1240x495x200	1240x495x200
	Packing size (WxHxD)	mm	895x595x300	895x595x300	1125x595x300	1125x595x300	1345x595x300	1345x595x300
	Net weight	kg	18.0	18.5	21.5	22.0	25.5	26.5
	Gross weight	kg	23.5	24.0	27.5	28.0	32.5	33.5
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	

Model		YFGW06CDL--M3RT YFGW06CDL--M3WT	YFGW06CDL--M4RT YFGW06CDL--M4WT	YFGW07CDL--M3RT YFGW07CDL--M3WT	YFGW07CDL--M4RT YFGW07CDL--M4WT	YFGW08CDL--M3RT YFGW08CDL--M3WT	YFGW08CDL--M4RT YFGW08CDL--M4WT	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	790/580/410	800/600/420	1190/855/505	1190/875/530	1360/1015/685	1300/980/680	
	CFM	488/359/253	471/353/247	700/503/297	700/515/312	800/597/403	765/576/400	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	4.30/3.48/2.71	4.85/3.92/2.93	5.60/4.47/3.14	6.35/5.19/3.62	7.35/6.12/4.57	8.25/6.65/4.84
	Water flow rate(H/M/L)	m³/h	0.74/0.60/0.47	0.83/0.67/0.51	0.96/0.77/0.54	1.09/0.90/0.63	1.27/1.05/0.79	1.43/1.14/0.83
	Water pressure drop(H/M/L)	kPa	54.2/36.22/22.78	54.3/36.81/21.77	50.7/33.38/17.73	32.8/21.75/11.43	44.1/33.7/19.41	71.4/46.17/25.39
Heating	Capacity (H/M/L)	kW	4.70/3.70/2.81	5.25/4.09/3.04	6.00/4.77/3.36	7.05/5.61/3.83	8.05/6.46/4.71	8.70/6.81/4.85
	Water flow rate(H/M/L)	m³/h	0.81/0.64/0.48	0.91/0.71/0.53	1.04/0.83/0.59	1.22/0.98/0.67	1.39/1.12/0.82	1.51/1.18/0.83
	Water pressure drop(H/M/L)	kPa	54.3/36.87/22.32	53.4/36.54/20.47	55.5/37.66/19.27	37.6/25.47/12.5	46.9/31.9/18.16	62.6/41.06/21.68
Power input (H/M/L)	W	50/25/14	52/28/15	96/44/17	92/46/19	113/53/22	102/49/22	
Sound power level	(H/M/L) dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/49	63/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	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 (WxHxD)	mm	1240x495x200	1240x495x200	1360x495x200	1360x495x200	1360x591x200	1360x591x200
	Packing size (WxHxD)	mm	1345x595x300	1345x595x300	1465x595x300	1465x595x300	1465x695x300	1465x695x300
	Net weight	kg	25.5	26.5	28.5	29.5	32.5	34.5
	Gross weight	kg	32.5	33.5	36.0	37.0	41.0	42.5
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	

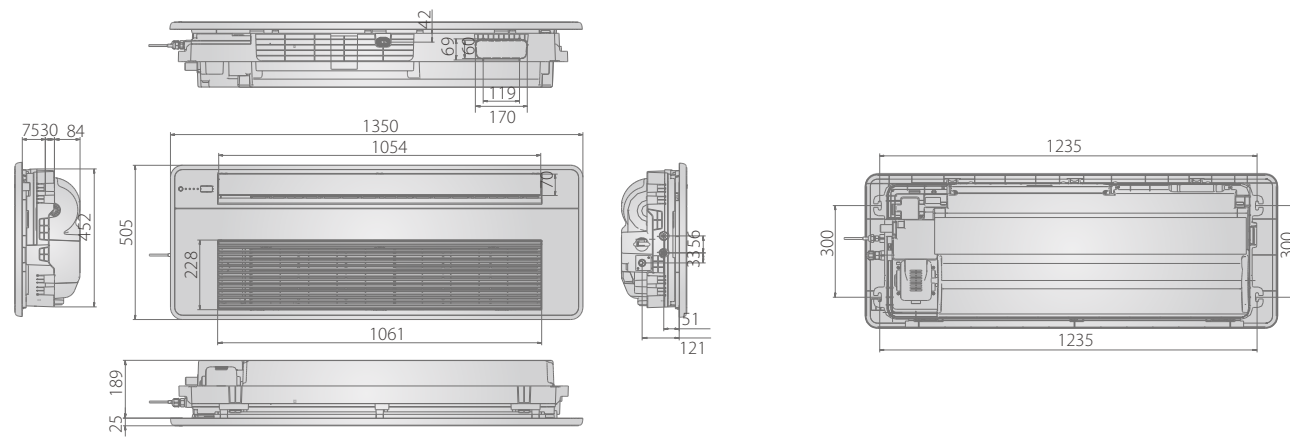
Notes:

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.
3. Noise is tested in a reverberation chamber.
4. Model "-RT" is standard with remote controller; model "-WT" is standard with wired controller.

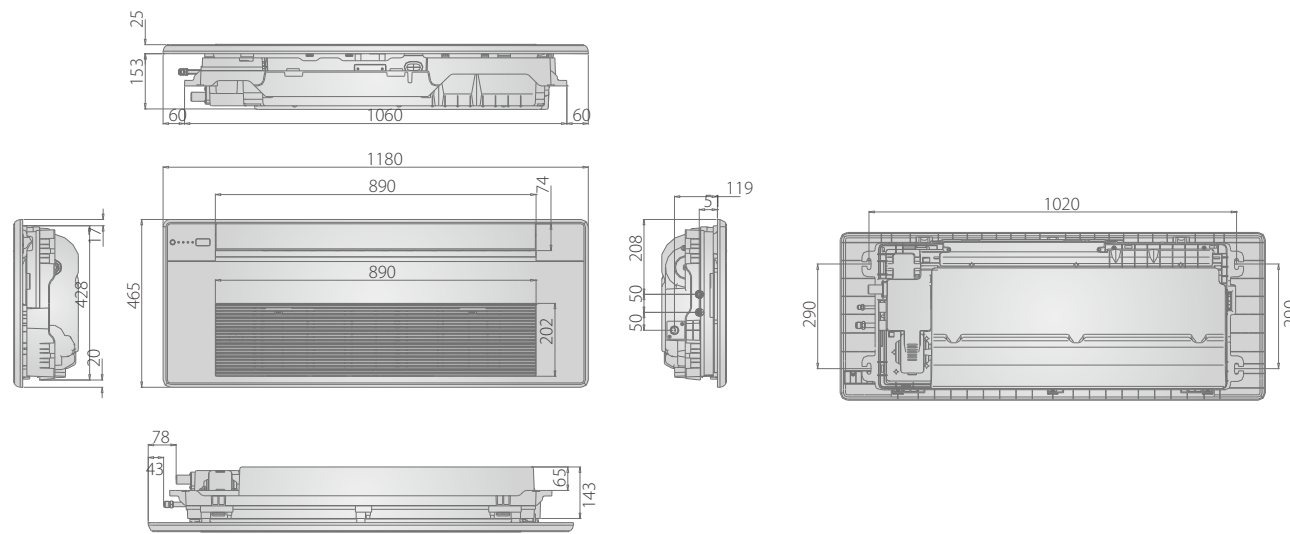
Dimensions



1-way cassette



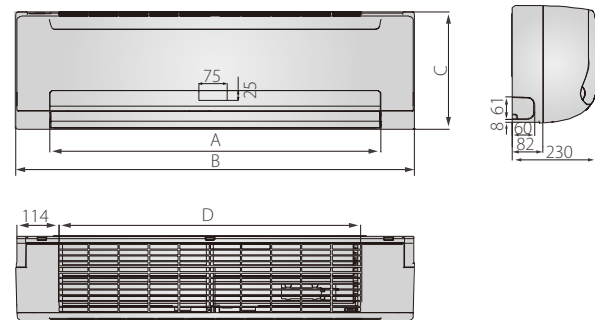
Y1GW04CDE--M-R(W)X
Y1GW05CDE--M-R(W)X



Y1GW03CDE--M-R(W)X

Wall mounted - S type

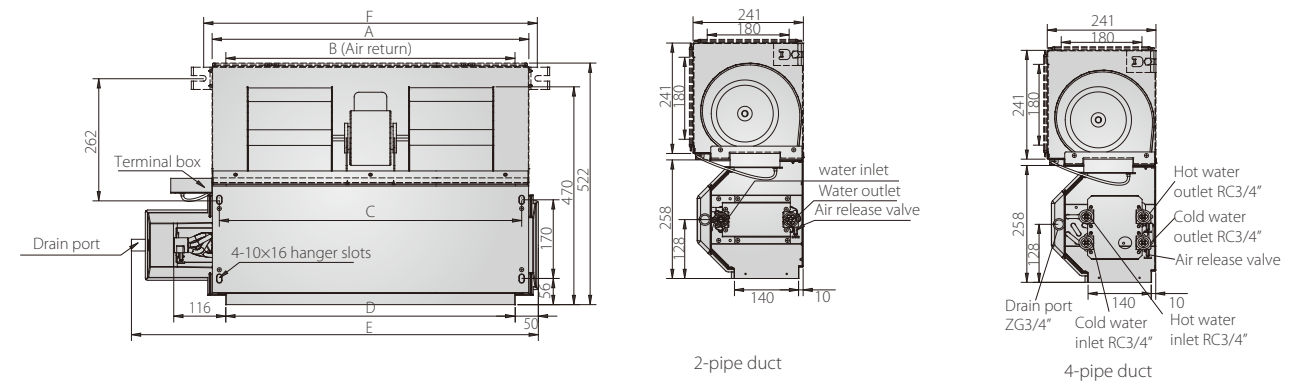
Dimensions (unit: mm)



Model	YHGW02CDE--M-R(W)X YHGW03CDE--M-R(W)X YHGW04CDE--M-R(W)X	YHGW05CDE--M-R(W)X YHGW06CDE--M-R(W)X
A	732	892
B	915	1072
C	290	315
D	663	813

Duct

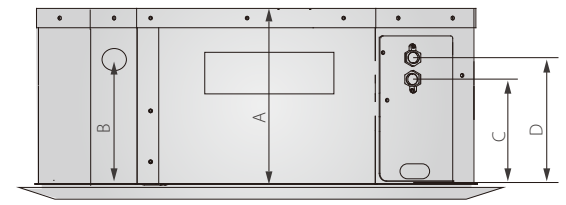
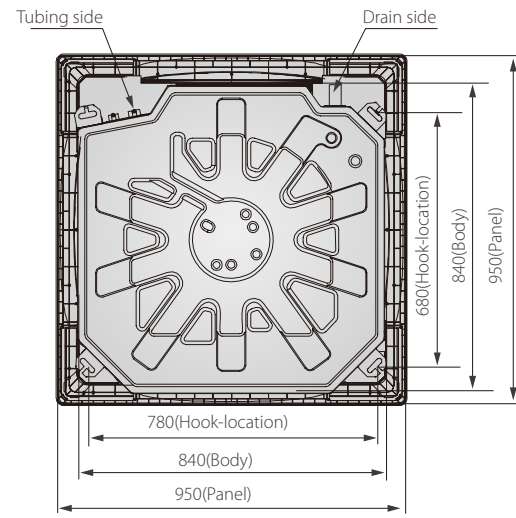
Dimensions (unit: mm)



Size	A	B	C	D	E	F
200CFM	545	485	513	485	741	583
300CFM	645	585	613	585	841	683
400CFM	745	685	713	685	941	783
500CFM	745	685	713	685	941	783
600CFM	965	905	933	905	1161	1003
800CFM	1265	1205	1233	1205	1461	1303
1000CFM	1370	1310	1338	1310	1566	1408
1200CFM	1660	1600	1628	1600	1856	1698

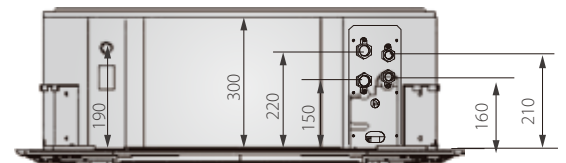
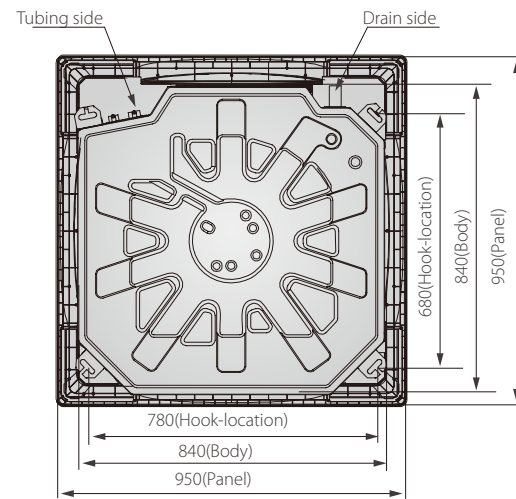
4-way cassette

2-pipe 4-way cassette
Dimensions (unit:mm)

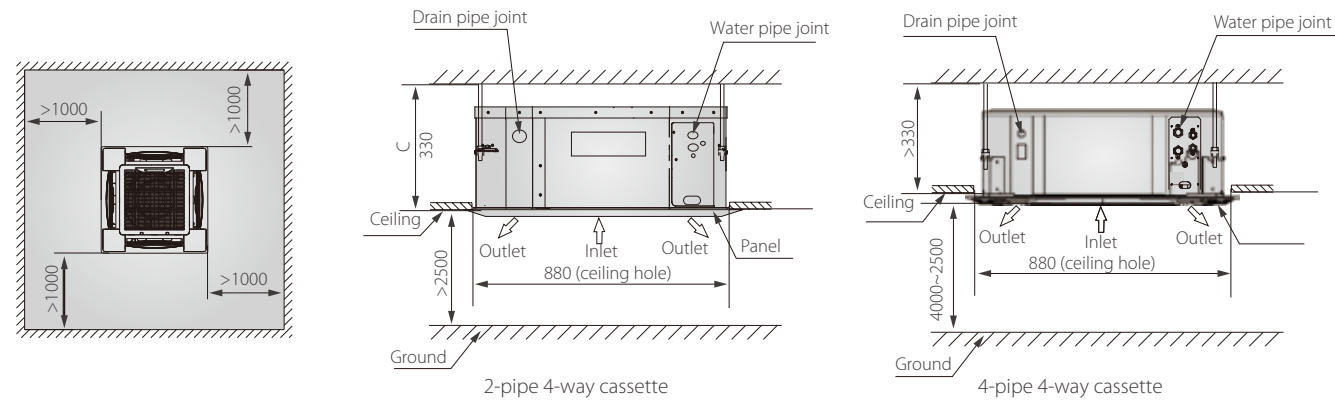


Model	Size	A	B	C	D
YKGW06CDE--M-R(W)X		230	170	135	185
YKGW07CDE--M-R(W)X					
YKGW08CDE--M-R(W)X					
YKGW09CDE--M-R(W)X					
YKGW12CDE--M-R(W)X		300	190	145	195
YKGW15CDE--M-R(W)X					

4-Pipe 4-way cassette
Dimensions (unit:mm)

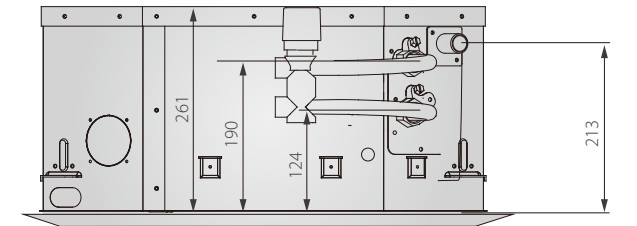
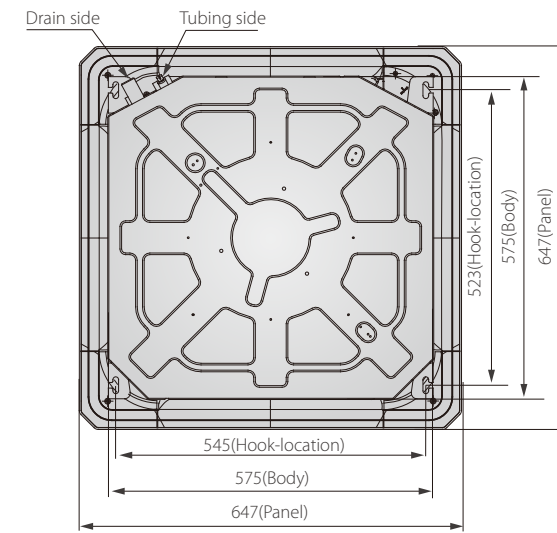


Service Spaces (unit:mm)

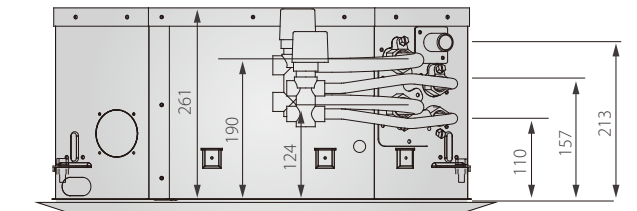
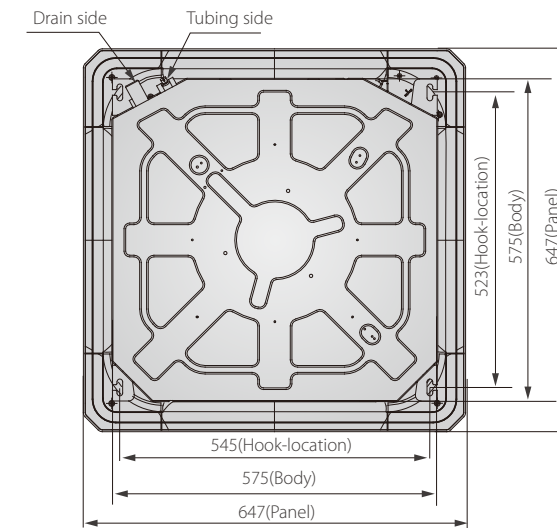


Compact 4-way cassette

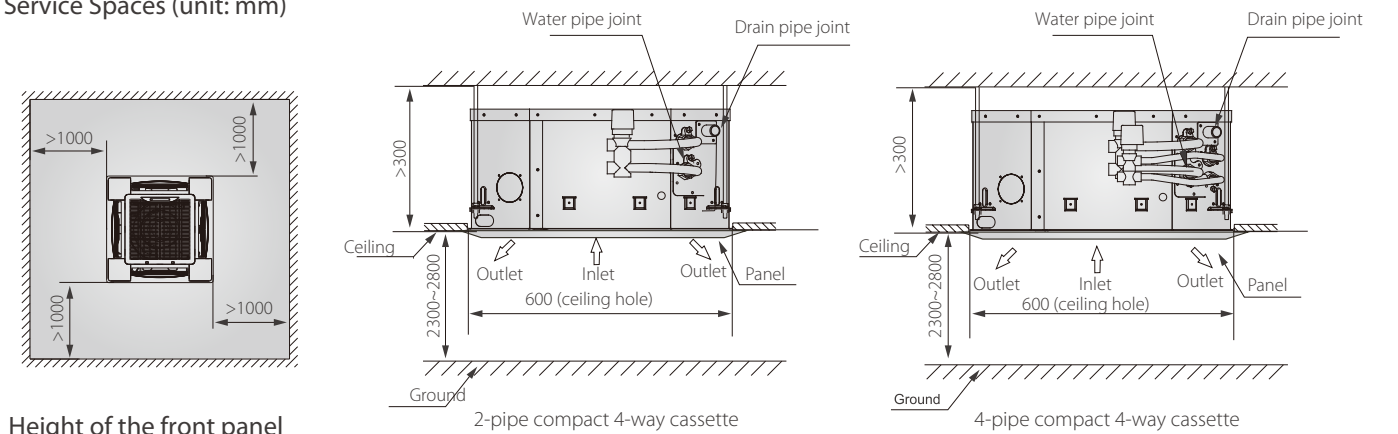
2-pipe compact 4-way cassette
Dimensions (unit: mm)



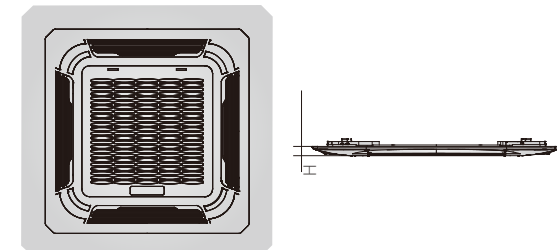
4-pipe compact 4-way cassette
Dimensions (unit: mm)



Service Spaces (unit: mm)

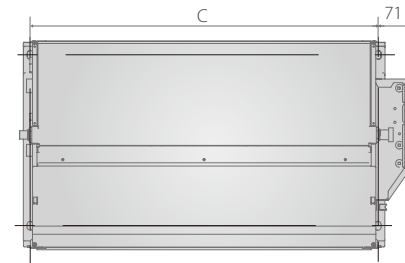
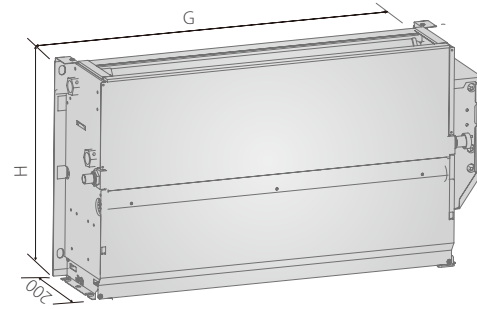
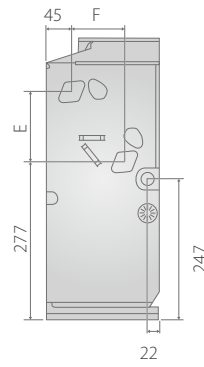
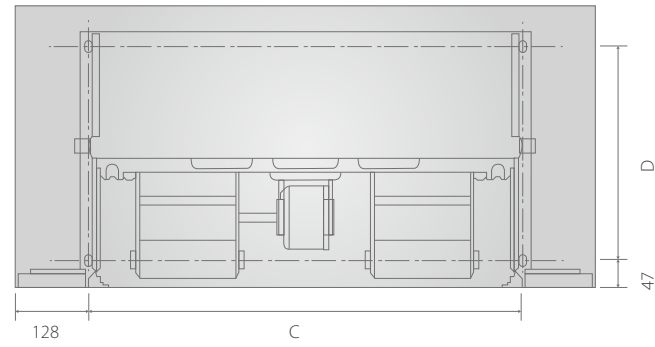
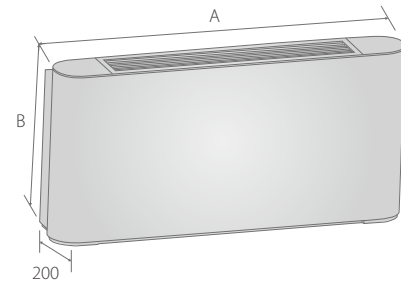


Height of the front panel



Type	H (mm)
4-way cassette	45
Compact 4-way cassette	50

Dimensions (unit: mm)



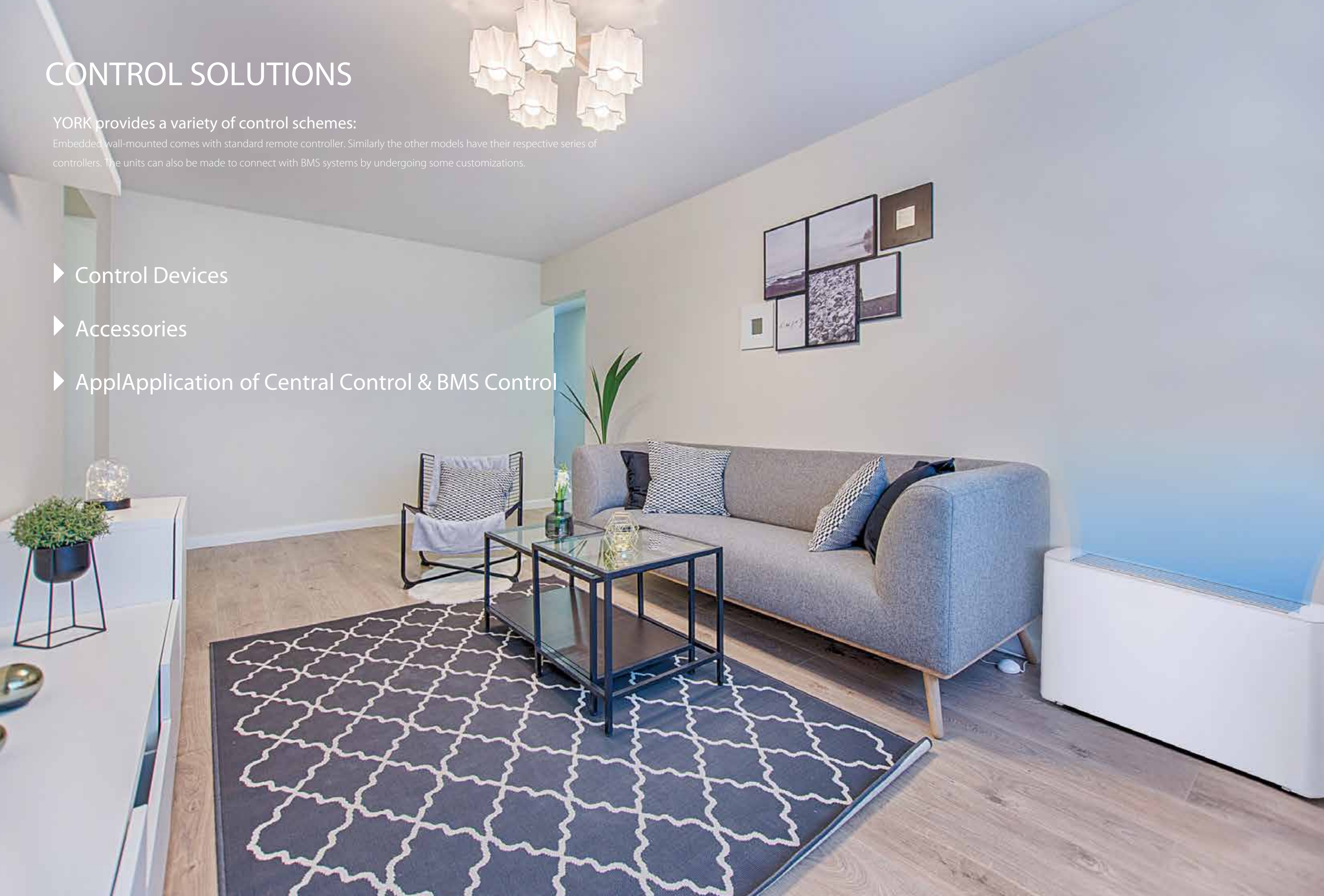
Model	03	04	05	06	07	08
A(mm)	790	1020	1240	1240	1360	1360
B(mm)	495	495	495	495	495	591
C(mm)	534	764	984	984	1104	1104
D(mm)	375	375	375	375	375	319
E(mm)	123	123	123	123	123	219
F(mm)	93	93	93	93	93	102
G(mm)	628	858	1078	1078	1198	1198
H(mm)	455	455	455	455	455	551

CONTROL SOLUTIONS

YORK provides a variety of control schemes:

Embedded wall-mounted comes with standard remote controller. Similarly the other models have their respective series of controllers. The units can also be made to connect with BMS systems by undergoing some customizations.

- ▶ Control Devices
- ▶ Accessories
- ▶ Application of Central Control & BMS Control




FCU-KIT Functions

Functions			FCUKZ-01	FCUKZ-02	FCUKZ-03	FCUKZ-04
Control Customization	Follow me	With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wireless remote controller.	×	×	×	×
	Anti cold air	Prevent the unit from cold supply air when starting in winter.	●	●	●	●
	Auto-restart	The unit restarts automatically with the previous settings after power failure	●	●	●	●
	Forced fan running	After reaching the set temperature, the valve body closes and the fan operates according to the setting.	√	√	○	○
	Heat	Only electric auxiliary heating.	√	√	○	○
	Temperature compensation	Heating mode: $T_2 = T_1 + \Delta T$; Cooling mode: $T_2 = T_1 - \Delta T$ T2: Indoor Temperature, T1: Setting Temperature, ΔT : Temperature Compensation	√	√	○	○
	XYE Port	Communicate with central controllers or BMS.	●	●	●	●
	PQE Port	Communicate with Modbus.	○	○	●	●
	AMR18Y/AMR08Y/CCM15	Central controllers and BMS.	●	●	●	●
	0-10V output control	By outputting a 0-10 V level, the opening of the valve body is controlled to meet different energy requirements.	×	×	×	×
	0-10V input control	By inputting a 0-10 V level to PCB, the fan motor speed is controlled to meet different energy requirements.	×	×	×	×
Display board	-	●	●	×	×	



Note:
 ●: equipped as standard; ○: customization option; ×: without this function; √: switch setting

Control Devices



Wireless Remote Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
RC05Y		<ul style="list-style-type: none"> ● LCD display screen ● Mode control ● Fan speeds control ● Time setting / Temp. setting / Swing setting 	4-way Cassette (standard) 1-way Cassette (standard)
			Compact 4-way cassette (standard) Wall-mounted (standard)



Wired Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
AMR12Y		<ul style="list-style-type: none"> ● Receiving remote signal ● Mode control ● Fan speeds control ● Temp. setting 	DC Cassette / Wall-mounted (optional)
AMR15Y		<ul style="list-style-type: none"> ● LED display screen ● Mode control ● Seven speed fan control ● Temp. setting 	DC Ceiling&Floor(optional) DC one-way cassette (optional)

Centralized Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
AMR09Y		<ul style="list-style-type: none"> ● Weekly schedule function ● Large LCD display screen ● Max. of 64 FCUs can be controlled by a AMR09Y ● Mode control / fan speed control ● Time setting / temp. setting / swing setting 	All FCUs (non-PCB FCUs need adding PC board control kit)
AMR30Y		<ul style="list-style-type: none"> ● Touch-style keys ● Large LCD display screen ● Max. of 64 FCUs can be controlled by a AMR30Y ● Mode control / fan speed control ● Time setting / temp. setting / swing setting 	

BMS Gateway

Model	Appearance	Function Descriptions	Applicable FCUs
AMR08Y		<ul style="list-style-type: none"> ● BACnet Protocol ● Basic control: on/off; mode/temperature setting; fan speed ● Max. of 256 FCUs can be controlled ● FCU status monitor 	All FCUs (non-PCB FCUs need adding PC board control kit)
AMR18Y		<ul style="list-style-type: none"> ● Modbus Protocol ● Basic control: on/off; mode/temperature setting; fan speed ● Max. of 64 FCUs can be controlled ● FCU status monitor 	

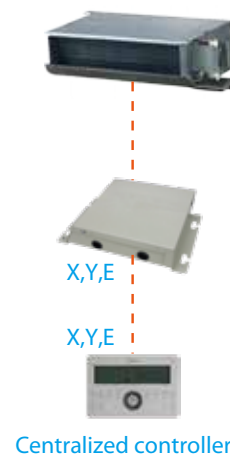
Accessories

PC Board Control Kit for FCU



- Available for all non-PCB FCUs.
- Flexibility installation: can be attached to the unit, mounted on a wall or hung under a ceiling.
- External installation making maintenance more convenient.
- Functions: three fan speeds control, Water pump control, Long-distance ON/OFF control, ALARM function, electric heater control.
- Operating status can be displayed by wired controller lamp indicator.
- Centralized control function.
- BMS control function through Modbus protocol.

Centralized control



Note: The DC duct series needs PCB kit to connect Centralized controller.

Model	CE-FCUKZ-01		CE-FCUKZ-02
Applicable appliance	2-pipe FCUs		4-pipe FCUs
Power supply	V-Ph-Hz		220~240-1-50/60
Operation range	Room temp.	℃	17-30
	Inlet water temp.	℃	3-75
Temp. controlling precision	℃		±1
Net dimension	WxHxD	mm	310x76x290
Packing size	WxHxD	mm	384x174x359
Net weight	kg		2.5
Gross weight	kg		4.6

Model	CE-FCUKZ-03		CE-FCUKZ-04
Applicable appliance	2-pipe FCUs		4-pipe FCUs
Power supply	V-Ph-Hz		220~240-1-50/60
Operation range	Room temp.	℃	17-30
	Inlet water temp.	℃	3-75
Temp. controlling precision	℃		±1
Net dimension	WxHxD	mm	296x66x212
Packing size	WxHxD	mm	410x115x262
Net weight	kg		1.4
Gross weight	kg		2.5

Valve kit

DN(mm)	Inner Screw Thread	Applicable Appliance
15	1/2"	For 4-pipe cassette and ceiling&floor (for cold water),
20	3/4"	For 2-pipe FCU,4-pipe duct, 4-pipe cassette and ceiling&floor (for cold water).



Note:
The valve kit includes valve, actuator and connecting pipe. For different model of units, the models of valve kit are difference.

Application of Central Control & BMS Control

DC Series

