

# GROHOD

*The most precise fit makes the best choice!*



## *Fan Coil Unit*

**1-way Cassette FCU-Ultra thin type**

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## 1-way Cassette FCU-Ultra thin type



## Control System



- Wireless remote controller is standard; Wired wall controller is optional;
- Auto reset, operation mode control; with room sensor & coil sensor;
- Daily timer or weekly timer;
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board;
- Built-in Main PCB: with no function of RS485 ModBus;
- Main PCB is installed outside of the unit body, then RS485 ModBus, master-slave network control can be supplied as Optional

## Design Features

1-way ultra thin type cassette units, the height of the body is only 150mm, which is suitable for some very limited space and narrow space. It's panel and body are made by ABS, high production efficiency, exact dimension and good consistency.

### ✓ Unit Body

Aesthetic design, in ABS material and very slim, suitable for some limited space and narrow space.

### ✓ Panel Assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

### ✓ Quiet Running

Cross flow blower with 3 speed motor.

### ✓ High Efficiency Coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 30bar(3Mpa) air pressure. with 3/4" pipe connections and air bleed vent.

### ✓ Condensate Drain Pan

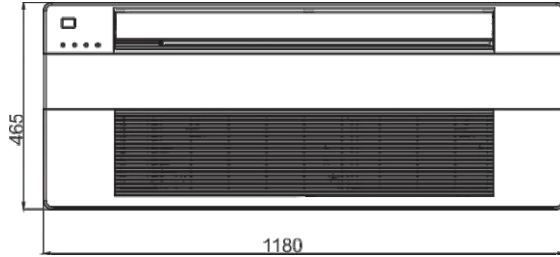
The drain pan is produced by ABS material via injection forming, with high polystyrene insulation outside.

### ✓ Drain Pump and Float Switch

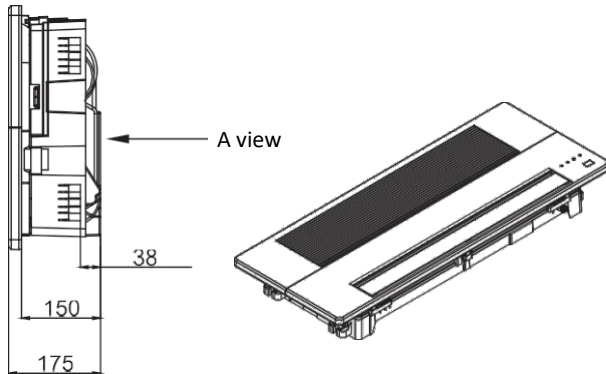
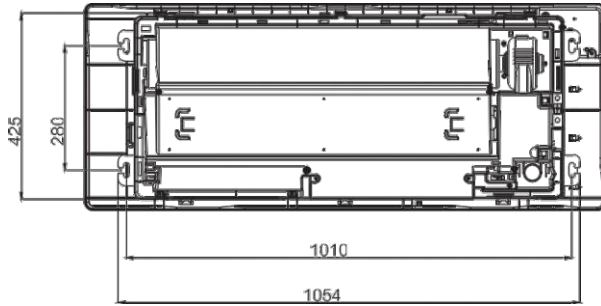
700mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

## Dimensions

Unit:mm



A view



A view

Model: Cassette 1-way Ultra thin				FCIO03S	FCIO04S	FCIO05S
CFM				300	400	450
Air Flow Rate	H	m <sup>3</sup> /h	510	680	750	
	M	m <sup>3</sup> /h	400	520	650	
	L	m <sup>3</sup> /h	300	400	500	
Cooling	Total Capacity	H	kW	3	3.8	4.2
		M	kW	2.6	3.1	3.6
		L	kW	2.2	2.6	3
	Sensible Capacity	H	kW	2.2	2.8	3
		M	kW	1.8	2.3	2.7
		L	kW	1.5	1.9	2.2
Water flow rate		L/h	516	655	720	
Water pressure drop		kPa	15	18	20	
Heat	Heating Capacity	H	kW	5.1	6.4	7
		M	kW	4.5	5.2	6.1
		L	kW	3.8	4.5	5
Power supply				220~240V/1PH/50Hz(or 60HZ)		
Power Input			W	40	45	50
Sound pressure			dB(A)	37	39	40
Fan	Type		Cross Flow Fan			
	Model		97	97	97	
	Quantity		pcs	1	1	1
Motor	Type		3-speed Motor			
	Quantity		pcs	1	1	1
Coil	Coil Rows		2			
	Max. working pressure		mPa	1.6		
	Tube Diameter		inch	3/8"		
Dimensions	Unit body		mm	1054X425X169		
	Panel assembly		mm	1180X465X25		
Connection	Water inlet/outlet pipe		inch	ZG1/2" / ZG1/2"		
	Condensate discharge		inch	26		
Weight(with feet, with casing)			kg	14		

1.Cooling: inlet air temp. DB+27°C/WB+19.5°C, water inlet/outlet temp. +7°C/+12°C

2.Heating: +21°C, water inlet temp. +60°C; Same water flow rate as for the cooling