

## One way cassette fan coil

### Description

Vernal one way cassette fan coil is a compact terminal unit for hydronic heating and cooling systems. It has been designed for installation in suspended ceilings without requiring any extra part for operation. The unit has an intake grill and one way outlet with adjustable diffuser flap for changing air flow direction.

This fan coil type is therefore suited for use in environments such as houses, shops, restaurants, hotels and gyms, etc. Where the excellent out flowing air control make the ideal air conditioning.



### Features:

Vernal one way cassette fan coil consists of 5 models with a wide range of capacities:

Air Flow Range: 340 - 1020 m<sup>3</sup>/hr

Cooling Capacity: 1.9 - 5.4 kW

Heating Capacity: 2.7 - 8.0 kW



AC/EC Motors

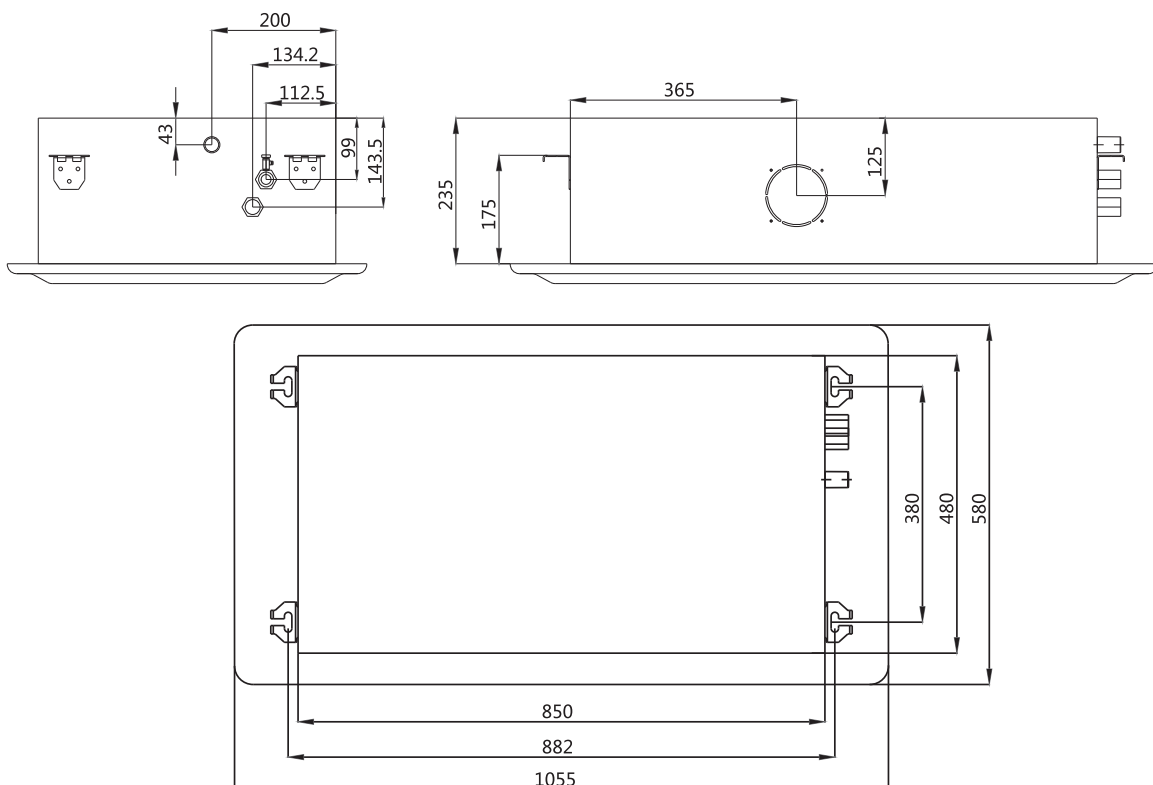


### Product Description

1 way cassette FCU, ceiling mounted and suitable for chilled/hot water AC system

Air Flow	340-1020m <sup>3</sup> /h(200-600CFM)
Cooling Capacity	1.9-5.4KW
Panel Dimension	1055*580*30

### Dimensions



## Standard specification

	Aesthetic ABS panel
Air Filter	Synthetic removable and washable
Housing	Galvanized steel with high density foam insulation inside
Heat Exchanger	Copper tube and hydrophilic AL fins with air release valve
Drain Pan	High density polystyrene foam material
Drain Pump	70cm head or 120cm head, with float switch and no return valve
Fan/Motor	Centrifugal fan, 3 speed motor or EC motor*
Control System	Main board, transformer, built-in electric control or external electric control*

\*: Optional

## Technical Parameters

Model			CF1-020CA	CF1-030CA	CF1-040CA	CF1-050CA	CF1-060CA	
Cooling	Cooling Capacity	H	kW	1.9	2.7	3.6	4.5	5.4
		M		1.5	2.2	2.8	3.4	4.0
		L		1.0	1.6	2.2	2.6	3.2
	Water Flow Rate		L/h	330	480	625	780	930
	Water Pressure Drop		kPa	10	15	18	25	31
Heating	Heating Capacity	H	kW	2.7	4.1	5.4	7.0	8.0
		M		2.2	2.4	4.2	5.2	6.0
		L		1.5	3.2	3.2	3.9	4.8
Blower	Type		Centrifugal Fan					
	Dia.		mm	Φ142	Φ142	Φ142	Φ155	Φ155
	Qty.			2	2	2	2	2
Electric Parameter	Power Supply		V/Ph/Hz	220 / 1 / 50				
	Input Power		W	45	54	62	100	110
	Currnet		A	0.20	0.24	0.28	0.46	0.51
Air Flow		H	3/h	340	510	680	850	1020
		M		270	400	520	640	750
		L		190	300	400	490	600
Sound Pressure		dB(A)	39	39	40	43	45	
Control Mode			Remote control or wired wall pad					
Housing Dim. (LxWxH)		mm	850x480x235					
Panel Dim.(LxWxH)		mm	1055x580x30					
Net Weight		kg	22			23		
Water Connection	In	in	ZG3/4"					
	Out	in	ZG3/4"					
	Drain Pipe(OD)		mm	26				

### Test Condition:

Cooling: inlet dry ball temp. 27°C, wet ball temp. 19.5°C, inlet water temp. 7°C, outlet water temp.12°C

Heating: inlet dry ball temp. 21°C, inlet water temp. 60°C, same water flow as cooling