

## Specification

### 2 pipe units

TYPE			CH-FC030K2	CH-FC040K2	CH-FC050K2
Airflow	High	m <sup>3</sup> /h	510	680	850
	Medium		440	580	730
	Low		360	480	600
Cooling Capacity		W	3000	3700	4500
		Btu/h	10236	12624	15354
Heating Capacity		W	4000	5100	6000
		Btu/h	13648	17401	20472
Noise		dB(A)	36	42	45
Water flow		l/min	8.7	10.7	12.9
Water resistance		kPa	14	15	16
Indoor coil	Number of rows		2		
	Tube pitch(a) × row pitch(b)	mm	21×13.37		
	Fin spacing	mm	1.3		
	Fin type		Hydrophilic aluminium		
	Tube outside dia. and type	mm	Φ7, bare pipe		
	Coil length × height	mm	1315×210		
	Number of circuits		5	6	7
Fan motor	Type		Low noise 4-speed fan motor		
	Number		YDK15-6P	YDK37-4P	YDK37-4P
	Model		1	1	1
	Input	W	35	60	75
	Capacitor	uF	1.5uF/450V	2uF/450V	2.5uF/450V
Indoor unit	Net Dimension (W×H×D)	mm	575×261×575		
	Packing Dimension (W×H×D)	mm	705×340×705		
	Net/Gross weight	kg	17.5/22.5		
Panel	Net Dimension (W×H×D)	mm	647×50×647		
	Packing Dimension (W×H×D)	mm	715×123×715		
	Net/Gross weight	kg	3/5		
Control mode			wired controller(optional), remote controller (standard)		
Pipe	Water-inlet pipe	Inch	G3/4		
	Water-return pipe	Inch	G3/4		
	Condensate outlet pipe	mm	ODΦ25		

#### Remark:

1. All performance data above is based upon 0Pa external static pressure.
2. Cooling conditions: 27°C DB /19°C WB entering air temperature, 7°C/12°C entering and leaving water temperature at high fan speed.
3. Heating conditions: 21°C entering air temperature, 60°C entering water temperature at high fan speed.
4. Noise level is tested in full-anechoic room.

## 4 pipe units

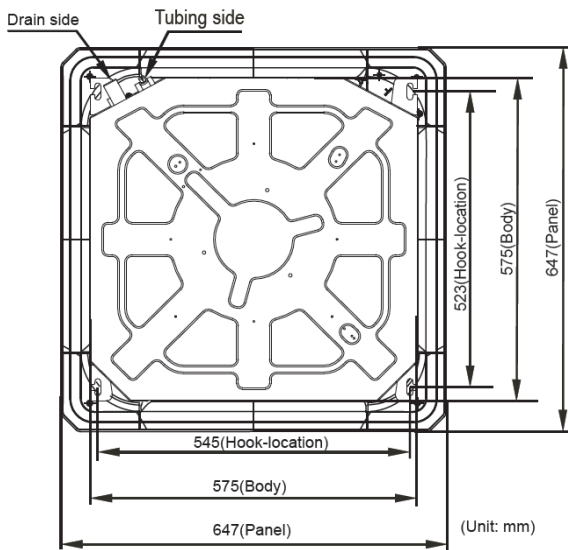
Model			CH-FC030K4	CH-FC040K4	CH-FC050K4
Air volume	High	m <sup>3</sup> /h	510	680	850
	Medium		440	580	730
	Low		360	480	600
Cooling capacity		kW	2.5	2.9	3.5
Heating capacity		kW	3.7	4.6	5.1
Sound level		dB(A)	36	42	45
Cool water	Water flow	l/min	7.2	8.4	10
	Water pressure drop	kPa	22	16	24
Heat water	Water flow	l/min	8.7	12	16.4
	Water pressure drop	kPa	17	23	27
Fan	Type		Centrifugal fan		
	Quantity	Pieces	1	1	1
Fan Motor	Model		YDK15-6P	YDK37-4P	YDK37-4P
	Quantity	Pieces	1	1	1
	Capacitor	uF	1.5uF/450V	2uF/450V	2.5uF/450V
	Input	W	45	65	90
Coil	Number of rows		2		
	Tube pitch(a)x row pitch(b)	mm	21×13.37		
	Fin spacing	mm	1.3		
	Fin type (code)		Hydrophilic aluminium		
	Tube outside dia.	mm	Φ7		
	Tube type		bare pipe		
	Coil length × height	mm	1315×210		
	Number of circuits		3 for cool water, 3 for heat water	4 for cool water, 3 for heat water	
Connection pipe	Cool water inlet/outlet	Inch	G3/4		
	Heat water inlet/outlet	Inch	G1/2		
	Drainage	mm	ODΦ25		
Body	Net dimension (W×H×D)	mm	575×261×575		
	Packing dimension (W×H×D)	mm	655×290×655		
	Net weight	kg	17.5		
	Packing weight	kg	22.5		
Panel	Net dimension (W×H×D)	mm	647×50×647		
	Packing dimension (W×H×D)	mm	715×123×715		
	Net weight	kg	3		
	Packing weight	kg	5		
Control			wired controller(optional), remote controller (standard)		

**Remark:**

1. All performance data above is based upon 0Pa external static pressure.
2. Cooling conditions: 27°C DB /19°C WB entering air temperature, 7°C/12°C entering and leaving water temperature at high fan speed.
3. Heating conditions: 20°C entering air temperature, 70°C/60°C entering and leaving water temperature at high fan speed.
4. Noise level is tested in full-anechoic room.

# Dimensions

## Body



**Four-Pipe**

## Two-Pipe

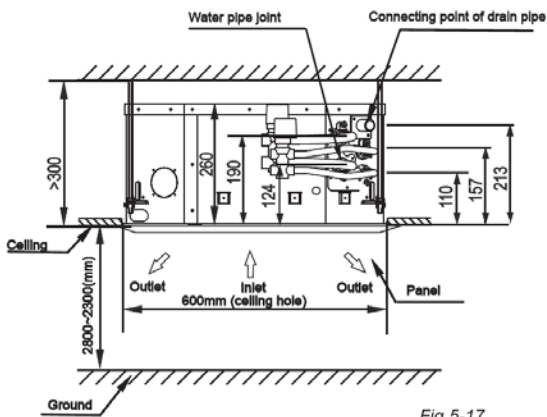
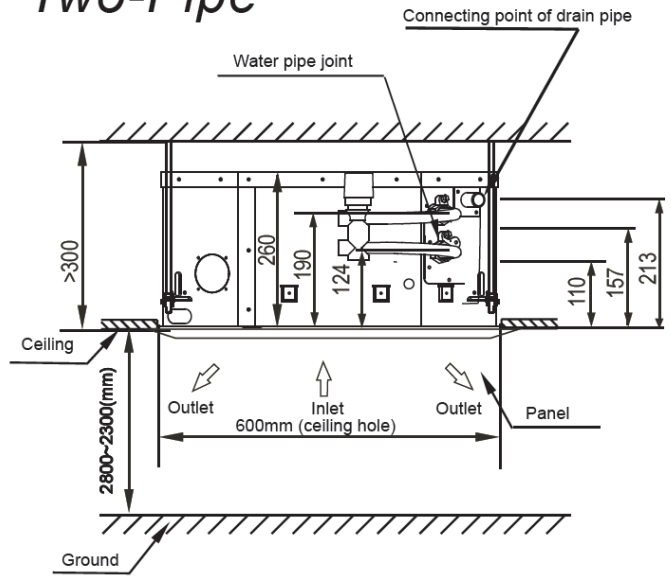
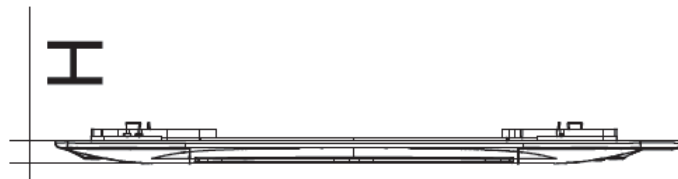
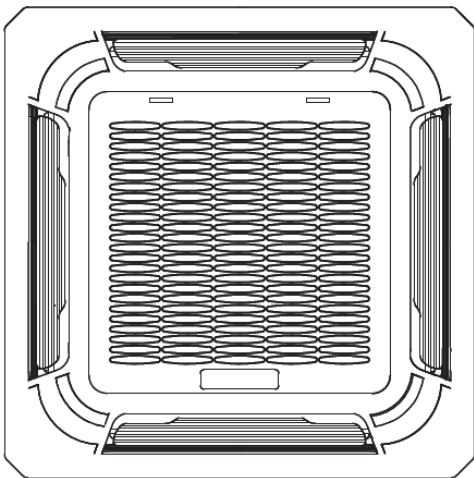


Fig.5-17

Panel (the 2-pipe and the 4-ipe are the same)



H(mm)

50