



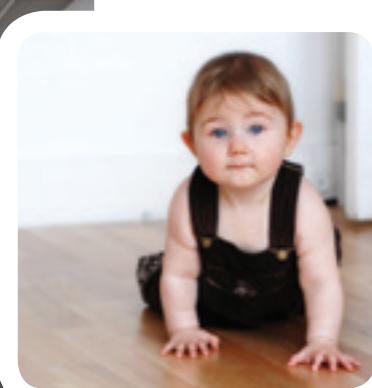
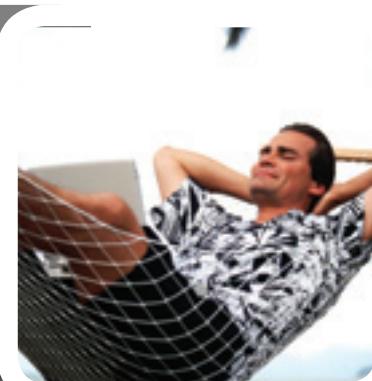
CASSETTE TYPE FAN COIL UNIT



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فن کویل های سقفی چهار طرفه



نسل جدید فن کویل های سقفی چهار طرفه با استفاده از تکنولوژی روز توانسته است تنظیم جریال هوای یکنواختی را ارائه دهد. بخش اصلی فن کویل از دو یا چند ردیف کویل مسی با پره های آلومینیومی تشکیل شده که توسط یک بلور فن کریز از مرکز و سیستم کنترلی مدرن، گرمایش و سرمایش مطبوعی را (در صورتی که آب سرد توسط چیلر و آب گرم توسط بویلر فراهم شود) برای ساختمان، فروشگاهها، رستورانها و سایر اماكن بوجود آورد. هزینه های پایین نگهداری، طراحی مدرن و قابلیت اتصال به سیستم BMS آن را نسبت به سایر فن کویل ها متفاوت ساخته است.



Air grille-module (cassette panel assembly)

Aesthetic panel design, in ABS material with high mechanical characteristics and resistance to ageing.

With synthetic washable and removable air filter, motor-drive louvers, air ventri. Finger guard grille is optional available.

Unit body casing

Made of galvanized steel sheet metal, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

Heat exchanger

The high efficiency coils, made from 3/8» copper tubes and high exchange surface area aluminium hydrophilic fins, are 100% tested against leaks with dried air at 30 bars. With 3/4» pipe connections and air purging vent.



COOLING SYSTEM SOLUTIONS

4 Way Ceiling Cassette

Condensate recovery tray

In thermoforming high density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

Condensate drain pump

The drain pump with 700 mm of maximum head, with no return valve, integral with the unit and wired to the electronic board.

Float switch is connected with the electronic board to control the condensate and alarm level.

Fan motor assembly

The centrifugal balanced fan blower with 3-speed motor.

Electrical box

composed of a box outside the unit which contains the electronic control board whose connection terminals are easily accessible.



بالاترین صرفه
جویی انرژی

The solenoid valve consists of a motor and a main body. The synchronous motor recovers by a spring and can be controlled by a handle. The main body adopts the piston system.

1. Technical data of solenoid valve

Power supply: 220VAC50Hz

Input: 4W

Electric machine type: synchronous

Working pressure: 1.6Mpa

Ambient operating temperature: 0~65°C

Liquid temperature range: 1~95°C

Microprocessor control system

- wireless remote control
- wired wall pad control*
- master-slave network control*
- BMS computer net control*
- on/off valve control
- electric heater control*
- daily timer
- weekly timer*
- auto restart
- operation mode control
- auto-diagnose, protections and error code display
- jumpers configurations on electronic board
- DIP switches configurations on electronic board*
- with room sensor & coil sensor
- RS485 remote communication serial port*

(Items with * mark are optional.)

GFA 4-Way Cassette Fan Coils Specifications - 2 pipe

MODEL: GFA-code-2T

model code	20	30	40	45	50	60	80	100	120	140	170	200
Total cooling capacity												
speed high	kW	2.0	2.7	3.7	4.0	5.0	5.6	7.0	9.1	10.8	12.8	15.0
speed medium	kW	1.8	2.3	3.1	3.3	4.2	4.3	5.7	7.9	8.6	10.0	11.5
speed low	kW	1.6	1.8	2.6	2.7	3.5	3.6	4.5	6.0	6.8	8.0	9.1
Sensible cooling capacity												
speed high	kW	1.5	1.9	2.6	2.8	3.5	3.9	5.0	6.4	7.7	9.0	11.3
speed medium	kW	1.3	1.7	2.0	2.1	3.2	3.3	4.3	5.9	6.5	7.5	8.2
speed low	kW	1.2	1.4	1.8	1.9	2.8	2.9	3.6	4.8	5.4	6.4	7.0
Water flow Rate		l/h	344	464	636	688	860	963	1,204	1,565	1,857	2,201
Water pressure drop		kPa	7	9	11	12	16	18	19	17	19	22
Heating capacity												
speed high	kW	2.0	3.0	4.0	4.3	5.0	6.0	8.0	10.0	12.0	14.0	17.10
speed medium	kW	1.7	2.3	3.1	3.3	3.8	4.7	6.1	7.6	8.9	10.6	13.10
speed low	kW	1.1	1.5	2.1	2.2	2.8	3.1	4.1	5.1	6.1	7.1	10.40
Evaporator coil												
rows		2	2	2	2	2	2	2	2	2	2	2
FPI		12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
copper diameter	inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
water content	l	0.86	0.86	1.14	1.14	1.46	1.64	1.64	2.16	2.4	2.4	2.98
Centrifugal fan blower												
fan blower diameter	mm	315	315	315	315	380	380	380	476	476	476	530
fan blower nr.		1	1	1	1	1	1	1	1	1	1	1
Electrical power												
power input	W	39	54	58	64	71	84	127	170	175	234	330
running current	A	0.18	0.24	0.27	0.29	0.33	0.38	0.58	0.78	0.80	1.07	1.43
Air flow rate												
high speed	m ³ /h	340	510	680	765	850	1,020	1,360	1,700	2,040	2,380	2,890
medium speed	m ³ /h	280	390	520	590	640	790	1,030	1,290	1,500	1,800	2,100
low speed	m ³ /h	180	260	350	400	430	520	690	860	1,030	1,200	1,600
Sound pressure (1m)												
high speed	dB(A)	37	39	41	43	43	45	46	47	50	52	57
medium speed	dB(A)	34	36	38	39	39	42	43	44	46	48	52
low speed	dB(A)	30	32	35	36	36	38	39	40	42	44	48
Electric heater (optional)												
power	W	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
running current	A	9.0	9.0	9.0	9.0	9.0	9.0	9.0	13.6	13.6	13.6	13.6
Unit dimensions												
Lenth	mm	580	580	580	580	710	710	710	832	832	832	950
Width	mm	580	580	580	580	710	710	710	832	832	832	950
Hight	mm	250	250	250	250	290	290	290	290	290	290	290
Panel dimensions												
Lenth	mm	680	680	680	680	830	830	830	980	980	980	1140
Width	mm	680	680	680	680	830	830	830	980	980	980	1140
Hight	mm	30	30	30	30	30	30	30	30	30	30	30
Net weight												
kg	24	24	24	24	26	26	26	33.5	33.5	33.5	52	52
Water connection (FPT)												
inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical power supply												
								220-240V/1Phase/50(60)HZ				

Cooling:

Entering air temperature: Dry bulb 27°C, Wet bulb 19°C;
Inlet water temp. 7°C; Outlet water temp. 12°C;

Heating:

Entering air temperature: 20°C; Inlet water temp. 50°C;
Same water flow rate as for the cooling;



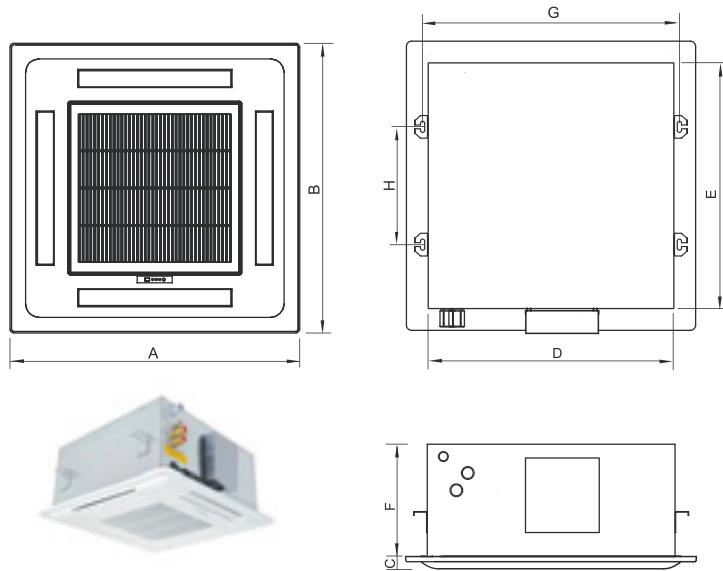
(Optional)

- LCD wired wall pad
- Function: MODE/FAN/WEEKLY TIMER/etc.
- a) Main PCB + Receiver board + WP09 + RC09
- b) Main PCB + Receiver board + WP09
- c) Main PCB + WP09 + RC09
- d) Main PCB + WP09

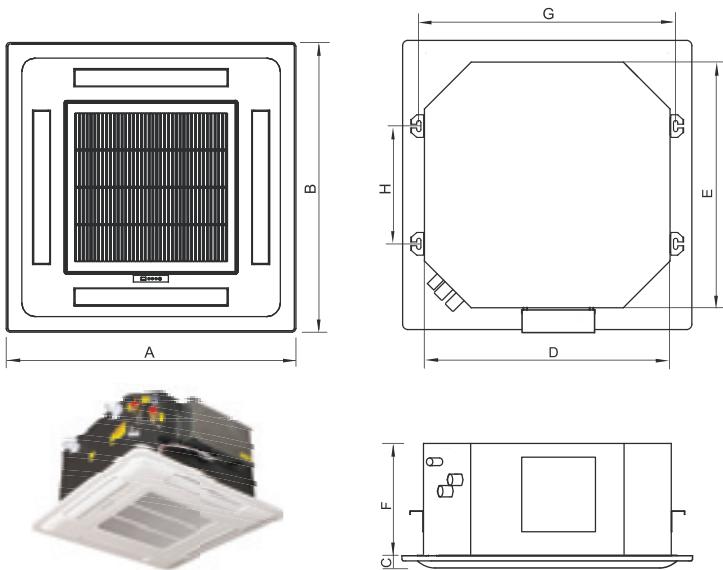


- LCD wireless remote controller, with wall holder
- Function: MODE/FAN/TIMER (24hr)/etc.
- * Main PCB + Receiver board + RC09

Dimensions



	A	B	C	D	E	F	G	H	
GFA-20	680	680	30	580	580	250	614	424	mm
GFA-30	680	680	30	580	580	250	614	424	mm
GFA-40	680	680	30	580	580	250	614	424	mm
GFA-50	680	680	30	580	580	250	614	424	mm



	A	B	C	D	E	F	G	H	
GFA-50	830	830	30	710	710	290	737	338	mm
GFA-60	830	830	30	710	710	290	737	338	mm
GFA-80	830	830	30	710	710	290	737	338	mm
GFA-100	980	980	30	832	832	290	864	416	mm
GFA-120	980	980	30	832	832	290	864	416	mm
GFA-140	980	980	30	832	832	290	864	416	mm
GFA-170	1140	1140	30	950	950	290	992	488	mm
GFA-200	1140	1140	30	950	950	290	992	488	mm



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