

# ZenAire

60HZ

## Light Commercial Air Conditioner Product Catalogue



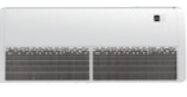
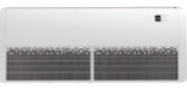





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# Contents

## • Top-discharge

Capacity(Btu/h)	24,000	36,000	48,000	60,000
New Floor&Ceiling Unit EER2.36				
4-way Cassette Unit				
Air Handling Unit				
Condensing Unit (On off)				
Condensing Unit (Inverter)				

# 60Hz/50Hz Top-discharge Condensing Unit - On off



24/36k Btu/h



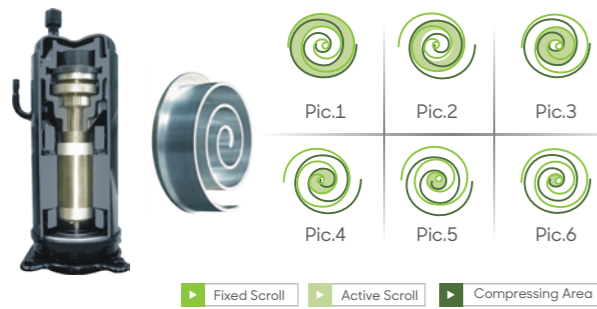
48/60k Btu/h



## Features

High efficiency rotary compressor for 24/36K model, and high efficiency scroll compressor for 48/60k model, system can operate in the best performance.

24V universal communication connection, safe and simple.



• Scroll Comp. • Scroll Plate • Working Principle

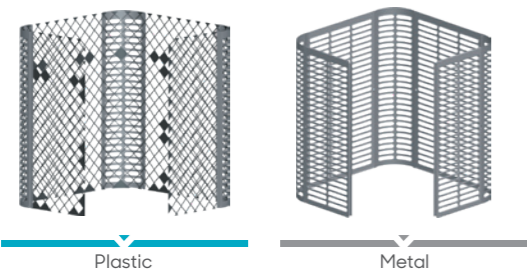


Universal design, more convenient for market stocks and spare part stocks.

Golden hydrophobic aluminum fins for option.



Metal optional & plastic grille for your choice.



Multi protection: High pressure protection, low pressure protection, high exhaust temp. protection and etc.

## Specification

60Hz R410A EER 2.8 Cooling Only

Outdoor unit		BAC36B13R	BAC60B13R
Power supply	V/Hz/N	208-230/60/1	208-230/60/1
Capacity			
Cooling	Btu/h	36000	60000
	RT	3	5
Physical data			
Air flow volume	CFM	2600	3200
Noise level	dB(A)	60	60
Net dimension(WxDxH)	mm	554x554x675	740x740x835
Packing dimension(WxDxH)	mm	575x575x690	760x760x875
Net weight	kg	58	78
Gross weight	kg	61	82
Piping data			
Liquid size	in	3/8"	3/8"
Gas size	in	3/4"	3/4"
Max. pipe length	m	20	20
Max. height difference	m	10	10

# 60Hz/50Hz Top-discharge Condensing Unit - Inverter



24/36k Btu/h



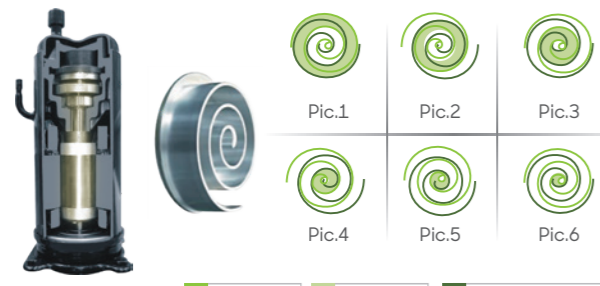
48/60k Btu/h



## Features

High efficiency rotary compressor for 24/36K model, and high efficiency scroll compressor for 48/60k model, system can operate in the best performance.

24V universal communication connection, safe and simple.



Fixed Scroll Active Scroll Compressing Area

• Scroll Comp. • Scroll Plate • Working Principle

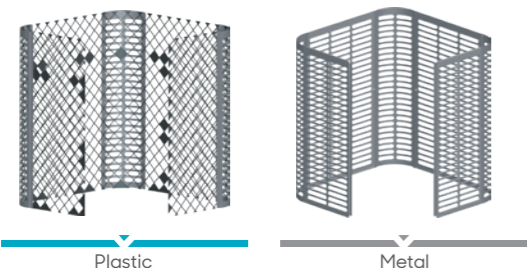


Universal design, more convenient for market stocks and spare part stocks.

Golden hydrophobic aluminum fins for option.



Metal optional & plastic grille for your choice.



Multi protection: High pressure protection, low pressure protection, high exhaust temp. protection and etc.

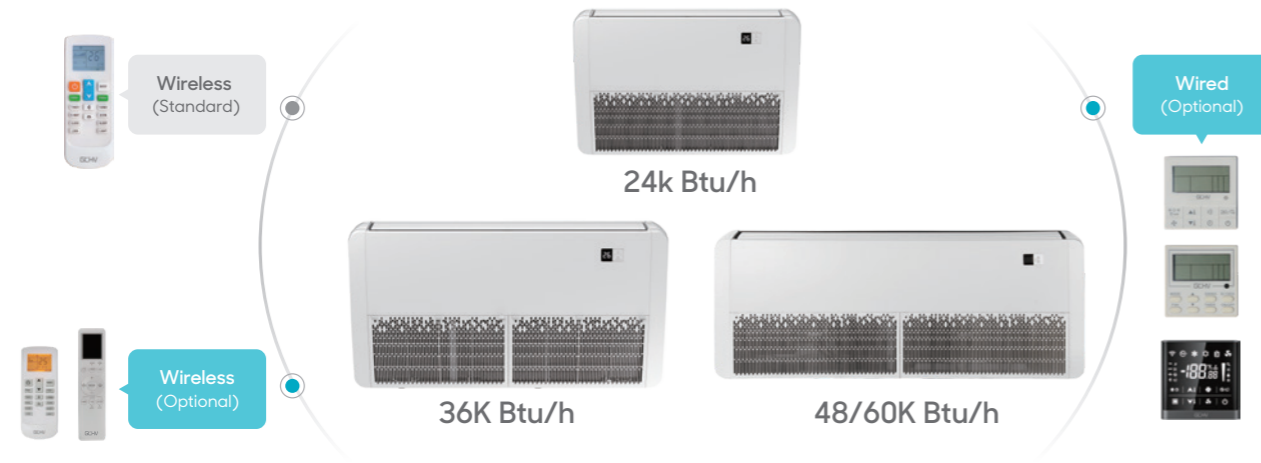
## Specification

60Hz R410A EER 2.8 Cooling Only

Outdoor unit		AAC36B16R	AAC60B16R
Power supply	V/Hz/N	208-230/60/1	208-230/60/1
Capacity			
	Btu/h	36000	60000
Cooling	RT	3	5
Physical data			
Air flow volume	CFM	4500	6000
Noise level	dB(A)	57	60
Net dimension(WxDxH)	mm	740×740×635	740×740×835
Packing dimension(WxDxH)	mm	760×760×660	760×760×875
Net weight	kg	66	80
Gross weight	kg	70	85
Piping data			
Liquid size	in	3/8"	3/8"
Gas size	in	3/4"	3/4"
Max. pipe length	m	30	30
Max. height difference	m	10	10

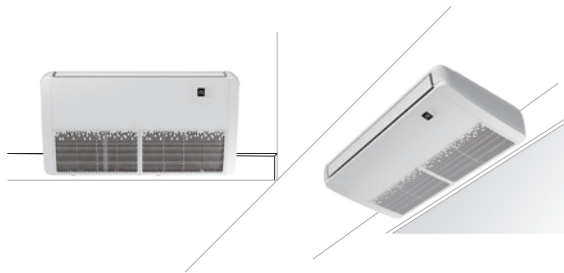
# Floor & Ceiling Unit

## Controller

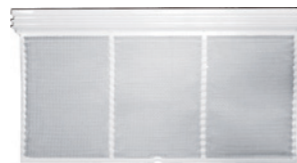


## Features

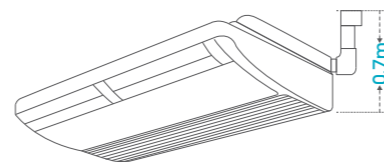
Flexible installation, ceiling suspended and floor standing.



Washable filter, easy to take out and convenient to clear.



Built-in water pump, pump head is up to 700 mm(Optional).



Built-in two stepper motor, adjusting the vertical and horizontal air flow, providing wide-angle swing.



Digital display on the right side. It is more intuitive and simple, and error code can be shown in the display.



## Specification

60Hz R410A Cooling Only(New)

Indoor unit			BFC36B13R	BFC60B13R
Power supply			208-230/60/1	208-230/60/1
V/Hz/N				
Capacity				
Cooling	Capacity	Btu/h	36000	60000
		RT	3	5
Physical data				
Air flow volume (Hi/Med/Low)		CFM	880/760/640	1230/1110/1000
Noise level (Hi/Med/Low)		dB(A)	57/54/52	58/55/52
Net dimension(WxDxH)		mm	1250x235x675	1670x235x675
Packing dimension(WxDxH)		mm	1380x325x765	1750x325x770
Net weight		kg	32	40
Gross weight		kg	37	46
Piping data				
Piping size	Liquid	in	3/8"	3/8"
	Gas	in	3/4"	3/4"
	Drainage	in	1"	1"

### Note

- 1.The cooling condition: T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F) WB, outdoor side 35°C(95°F) DB;
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.

# 4-way Cassette Indoor Unit

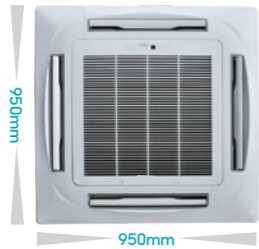
Controller



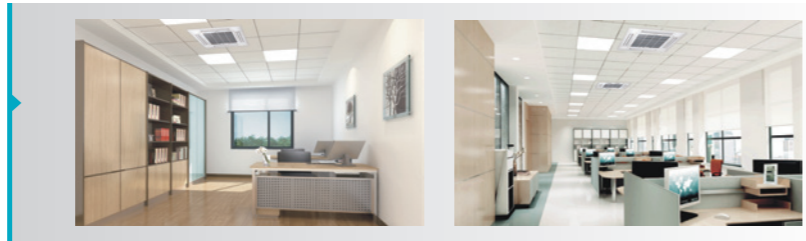
## Features

### Brand-new Panel Design

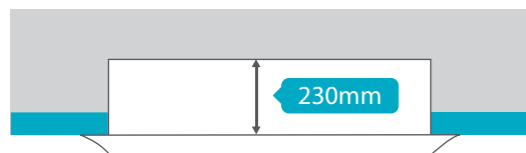
Simple, fealty and vogue appearance suit for different requirements, it's mostly used for office, shopping center, restaurant meeting room and etc.



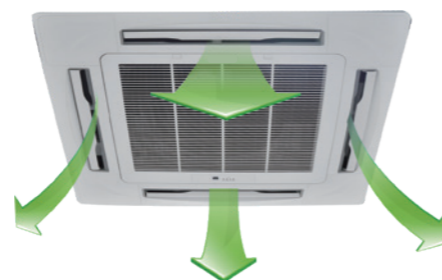
- 18k Btu, compact type, 650x650
- 24k Btu~60k Btu, standard type, 950x950



Ultra-thin body design, the min. height is only 230mm, save installation space.



4-way air flow, cold air can reach each corner of the room, providing a stable and comfortable environment. Use two stepper motors to control four louvers.



60Hz R410A EER2.8 Cooling Only



- Match Top-discharge
- Match Side-discharge

Indoor unit			BCC36B13R	BCC60B13R
Power supply		V/Hz/N	208-230/60/1	208-230/60/1
Capacity				
Cooling	Capacity	Btu/h	36000	60000
		RT	3	5
Physical data				
Air flow volume (Hi/Med/Low)		CFM	1000/860/740	1200/1000/800
Noise level (Hi/Med/Low)		dB(A)	52/48/45	52/48/45
Net dimension (WxHxD)	Body	mm	840x285x840	840x285x840
	Panel	mm	950x50x950	950x50x950
Packing dimension (WxHxD)	Body	mm	920x375x920	920x375x920
	Panel	mm	1030x105x1030	1030x105x1030
Net weight	Body	kg	31	34
	Panel	kg	5.4	5.4
Gross weight	Body	kg	35	37.5
	Panel	kg	8	8
Applicable area		m <sup>2</sup>	40-70	60-105
Piping data				
Piping size	Liquid	in	3/8"	3/8"
	Gas	in	3/4"	3/4"
	Drainage	in	1"	1"

### Note

- 1.The cooling condition: T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB, outdoor side 35°C(95°F) DB;
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB, outdoor side 7°C(42.8°F)DB
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.

# • Air Handling Unit



36/60K Btu/h

## Features



Use R410A refrigerant, can be matched with top-discharge condensing unit.



Easily controlled by thermostat and compatible with other manufacturer's products.



Centrifugal fan rotor with a static pressure of 50 Pa, can provide large air volume.



Flexible installation, can be installed vertical or horizontal.

## Specification

Indoor unit			BAH36B13R	BAH60B13R
Power supply		V/Hz/N	208-230/1/60	208-230/1/60
Capacity			36000	60000
Cooling	Capacity	Btu/h	36000	60000
		RT	3	5
Physical data			1000	1470
Air flow volume		CFM	1000	1470
External static pressure (Hi)		Pa	37	50
Noise level		dB(A)	51-56	51-57
Indoor dimension	Unit (WxHxD)	mm	460x774x520	500x970x550
	Packing (WxHxD)	mm	520x834x565	560x1030x595
Net weight		kg	37	45
Gross weight		kg	39	48

### Note

- 1.The cooling condition: T1 condition: indoor side 27°C(80.6°F) DB, 19°C(60°F) WB, outdoor side 35°C(95°F) DB;
- 2.The heating condition: indoor side 20°C(68°F) DB, 15°C(44.6°F) WB, outdoor side 7°C(42.8°F) DB
- 3.Sound level: measured at a point 1m in front of the unit at a height of 1.3m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- 4.The above data may be changed without notice for future improvement on quality and performance.