



R410A CEILING CASSETTE

C Series

E/C Series Inverter



Common Features

● 4D Cooling Comfort

Four different directions of air discharge distribute and circulate the cool air evenly to ensure a high level of comfort.



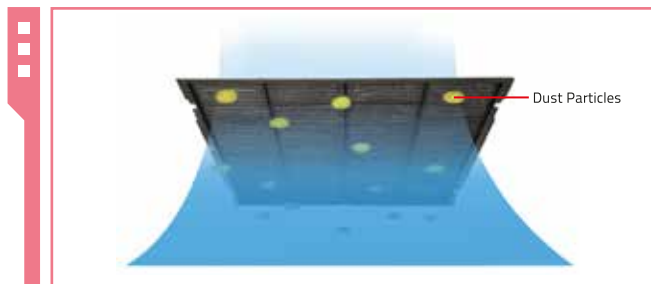
● Timeless and Puristic Design

Maintaining your classy and elegant interior design with our stylish and slim panel which blend in seamlessly. Thanks to the uniformity of the panel size, planning for unit positioning in any room is enhanced and the installation of different capacity models made possible.



● Saranet filter

The anti fungus air filter can trap dust particles in the air. With a filter that can be cleaned by simply washing it with water, it can be used over and over again without regular change.

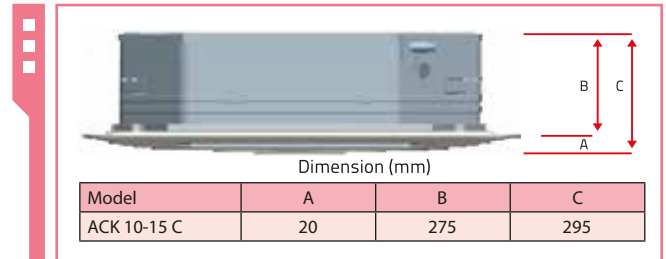


● Force On/Off Button

Fear no more when your battery run out of juice. Unit can be turned on and off with a touch of the button.

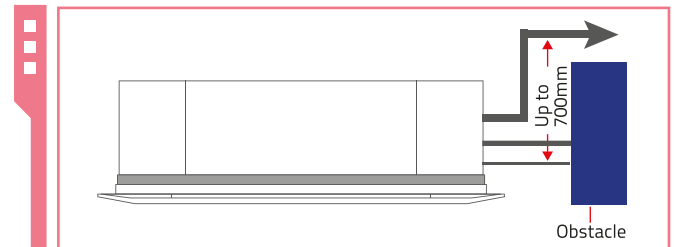
● Absolute Perfection Fitting

With a low height profile, now it is able to fit in a tight ceiling of 400mm or more.



● Built in Drainage

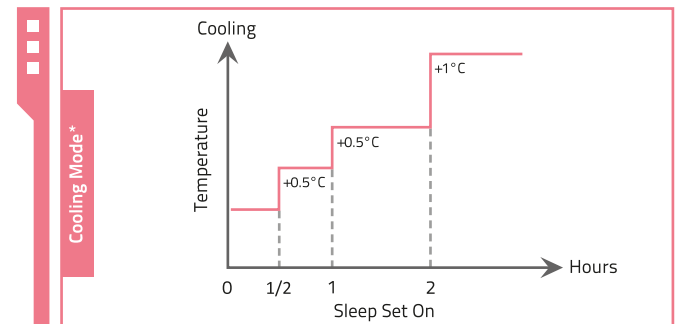
Each unit is pre-equipped with an efficient high performance pump with 700mm drain head which ensures smooth drainage of condensate water. To avoid overflow of water, a safety water float is incorporated to meet these needs.



● Comfort at your Fingertip

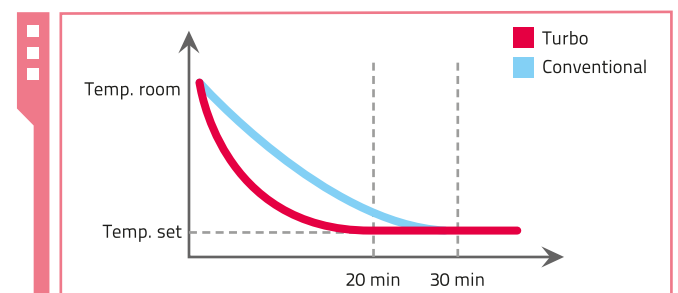
- Sleep Mode

Be sure to turn on the SLEEP function before you go to bed for the intelligent control to adjust the temperature gradually to suit the body temperature.



- Turbo Mode

In a hot day where cool air is needed quickly, TURBO mode cools the room 33% faster by forcing the unit to run at full force for 20 minutes before the original setting is restored.



● Power is nothing without Control

Wireless Control

The ergonomically designed wireless control enable the unit to be under your control all time. The advance yet simple design with large buttons is easily accessible with big LCD display. 2xAAA battery included.

Illuminated POWER Button

The Power Button turn the unit ON or Off. It illuminates when you need it in the dark.

SWING Button

Swing at your command or fix the louver at your preferred position.

MODE Button

Different Mode for different ambient - Cool, Dry and Fan.

TURBO Button

Rapidly cools down your room within 20 minutes.

QUIET Button

The unique quiet mode further increase the acoustic comfort level for serenity and tranquility.

FAN Button

Control your airflow to Low, Mid, High or Auto to let your unit do the thinking.

TEMPERATURE Button

Set the temperature according to your preferences.

SLEEP Button

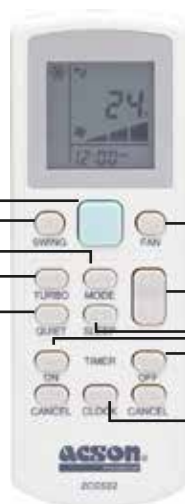
The sleep mode gradually increase the room temperature to ensure a comfortable and mellow sleeping environment.

TIMER Button

Turn On or Off the unit with its built in timer which repeats itself every 24 hours.

CLOCK Button

Set the real time clock.



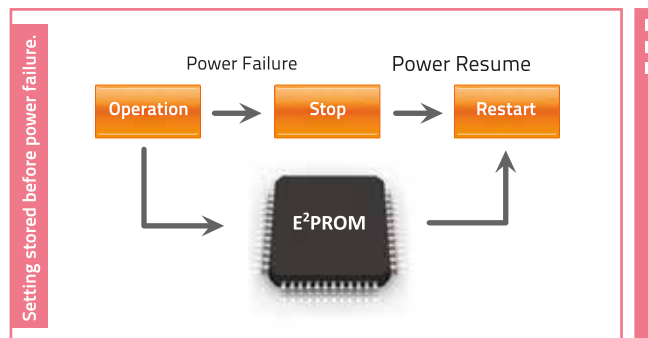
● Protection

- Built In Starter

Starter is built in internally to prolong unit lifespan and to protect the unit in a rare malfunctioning of the highly durable parts.

- Automatic Restart

In the event of a sudden power failure, the unit can be automatically restarted once the power supply is back to normal and keeping the last setting condition (subject to certain protection conditions). No more hassle.



- Self Diagnosis System

With a series of sensors and intelligent control board, errors will be detected and blinking LEDs to show the error which rarely happen.

The unit is equipped with a series of other protections like indoor anti-freeze, compressor overload, and compressor minimum running/stopping time.

● Peace of Mind Service

With nationwide service points, there must be one around you to provide fast and reliable service when assistance is needed.



* Please refer to our warranty policy

● Optional Add Ons

- Fresh Air, Anyone?

The Ceiling Cassette Series is designed in a such a way that fresh air intake is possible. Simple installation with a booster fan to get you a fresher and healthier environment.



Outdoor Units

R410A



A5LC 10-15C

R410A Inverter



A5LCY 10D/15D



A5LCY20C/25C



A5LCY 28CR



A5LCY 40FR / 50FR

*Gold fin is available for A5LC 10C -50D and A5LCY 20C-50FR.

R410A CEILING CASSETTE Series

The Answer to Mother Nature's Call

Features

R410A The Refrigerant of Tomorrow

Not like the ordinary HCFC refrigerant which contribute to ozone depletion, R410A is an near azeotropic mixture of 50% R32 and 50% R125 which has a zero ODP (Ozone Depletion Potential). It is a HFC refrigerant with no chlorine which contribute to ozone depletion. Eco friendly and high heat transfer efficient. it is saving the earth and cost at the same time.

- Earth without OZONE is like a house without a roof



ECOcool
Eco Friendly Product Series

R410A

Model :

A5CK 10/15 C

Cooling Capacity :

9,500 BTU/h - 12,500 BTU/h

Power Input :

0.9 kW - 1.3 kW



Compact, modern look and in tune with nature. The R410A Ceiling Cassette Series is stylish on the outlook and eco-friendly at the heart. With high efficient and ozone friendly R410 refrigerant, it's the answer to the environment and a responsibility we would not take lightly.

Model :

A5CKY 20/25/28/40/50 E(R)

Cooling Capacity :

19,400 BTU/h - 42,600 BTU/h

Power Input :

1.6 kW - 3.9 kW

Model :

A5CKY 10/15 C

Cooling Capacity :

9,500 BTU/h - 12,500 BTU/h

Power Input :

0.8 kW - 1.0 kW



Technologically advanced with innovations, it combines both the benefits of R410A refrigerant and inverter in 1 united body. Saving in energy, hence cost; and utilise less of mother nature's resources, the R410A Ceiling Cassette Inverter Series is surely a people oriented solution for future generation.

R410A Ceiling Cassette C Series

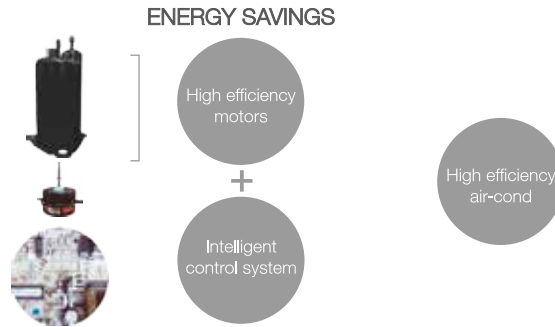
Model		Indoor	A5CK 10C	A5CK 15C	
		Outdoor	A5LC 10C	A5LC 15C	
Nominal Cooling Capacity		BTU/h	9,500	12,500	
		W	2,780	3,660	
Nominal Total Input Power		W	900	1,300	
Nominal Running Current		A	4.00	5.90	
EER		BTU/h/W	10.56	9.62	
		W/W	3.09	2.82	
Power Source		V/Ph/Hz	220 - 240 / 1 / 50		
Indoor Unit	Control	Air Discharge		4 WAY AUTOMATIC LOUVER (UP & DOWN)	
		Operation		WIRELESS OR WIRED	
	Air Flow	High	I/s (CFM)	194 (411)	
		Medium	I/s (CFM)	170 (360)	
		Low	I/s (CFM)	156 (330)	146 (310)
	Sound Pressure Level (H/M/L)		dBA	41 / 38 / 35	41 / 38 / 34
	Unit Dimension	Height	mm (in)	250 (9.84)	
		Width	mm (in)	570 (22.44)	
		Depth	mm (in)	570 (22.44)	
	Packing Dimension	Height	mm (in)	317 (12.48)	
Width		mm (in)	630 (24.80)		
Depth		mm (in)	630 (24.80)		
Unit Weight		kg (lb)	22 (48.50)	23 (50.71)	
Outdoor Unit	Air Flow		I/s (CFM)	396 (840)	457 (969)
	Sound Pressure Level		dBA	46	49
	Unit Dimension	Height	mm (in)	540 (21.26)	
		Width	mm (in)	700 (27.56)	
		Depth	mm (in)	250 (9.84)	
	Packing Dimension	Height	mm (in)	596 (23.50)	
		Width	mm (in)	803 (31.60)	
		Depth	mm (in)	323 (12.70)	
	Unit Weight		kg (lb)	28 (61.73)	30 (66.14)
	Pipe Connection	Type		FLARE VALVE	
Size		Liquid	mm (in)	6.35 (1/4)	
		Gas	mm (in)	9.52 (3/8)	12.70 (1/2)
Refrigerant		R410A			

1. All specifications are subjected to change by the manufacturer without prior notice.
2. Nominal Cooling Capacity are based in the conditions below:
Cooling - 27°C DB / 19°C WB indoor and 35°C DB / 24°C WB outdoor
3. Sound Pressure Level are according to JIS C 9612 standard. Position of the measurement point is 1m in front and 0.8m below the unit.
4. Units are tested & comply to international standards such as ISO 5151 and AHRI 210/240.

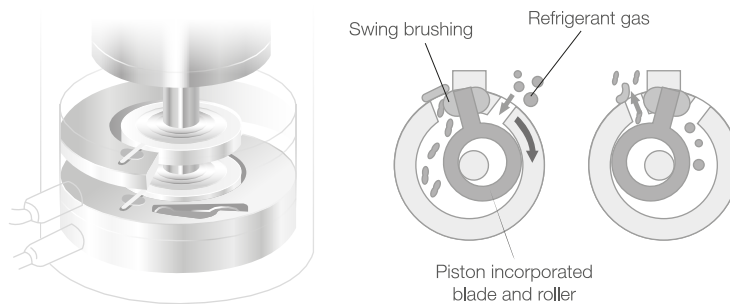
INVERTER Series

Power of Inverter

Unlike ordinary conventional air conditioners, Acson Inverter controls the compressor's speed accordingly to adjust the cooling capacity to match your requirement. It is done possible by utilising intelligent control coupled with high efficiency multi speed compressor.



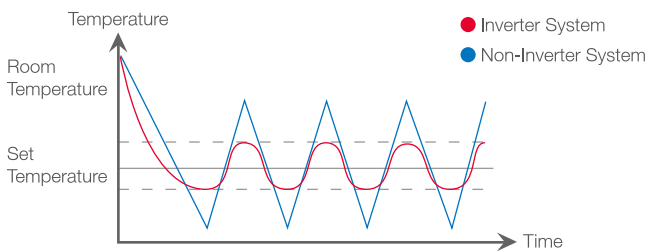
Acson R410A Inverter utilizes hermetic swing compressor. Its precise structure and mechanical movement help to reduce friction and vibration compared to conventional rotary compressor. This reduces refrigerant leakage and ensures maximum capacity is achieved.



Comfort Zone

Set temperature is pulled down faster and compressor speed is controlled at variable speed to maintain a more precise and constant temperature for a higher level of comfort.

PRECISE & STABLE TEMPERATURE CONTROL

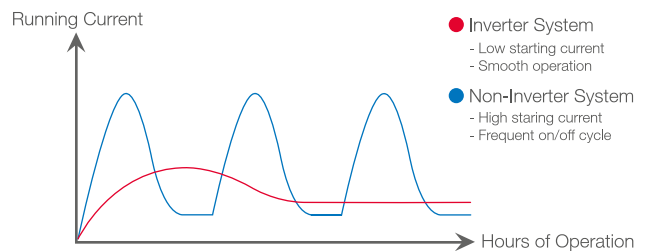


Inverter system control room temperature fluctuation within $\pm 0.5^{\circ}\text{C}$

Inverter	Non-Inverter
<ul style="list-style-type: none"> Compressor speed changes Compressor slows down when reached set temperature 	<ul style="list-style-type: none"> Compressor single speed Temperature falls / rises significantly

Energy Saving

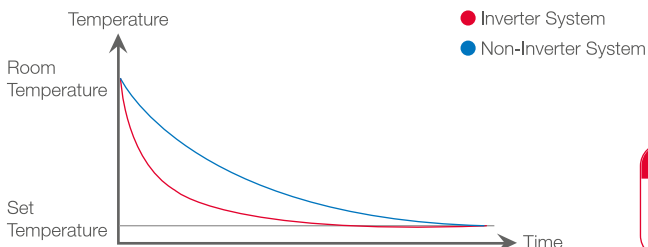
When the surrounding reaches the desired temperature, Acson R410A Inverter varies the compressor speed and maintain the temperature without cutting on and off the compressor. Soft start feature ensure a smooth ramp up profile without withdrawing high current.



Inverter	Non-Inverter
<ul style="list-style-type: none"> Gradual increase of compressor rotation 	<ul style="list-style-type: none"> High starting torque to start compressor from stationary position

Real Power Cooling

Powerful operation with shorter cooling time.



Inverter	Non-Inverter
<ul style="list-style-type: none"> Compressor speed changes Compressor slows down when reached set temperature 	<ul style="list-style-type: none"> Compressor single speed Temperature falls / rises significantly

R410A Ceiling Cassette E Series Inverter

Model		Indoor	A5CKY 20E	A5CKY 25E	A5CKY 28ER	A5CKY 40ER	A5CKY 50ER			
		Outdoor	A5LCY 20C	A5LCY 25C	A5LCY 28CR	A5LCY 40FR	A5LCY 50FR			
Nominal Cooling Capacity (Min-Max)		BTU/h	19,400 (5,200 - 21,000)	22,000 (5,200 - 23,000)	24,200 (6,483 - 26,955)	35,800 (23,544 - 51,182)	42,600 (26,956 - 52,695)			
		W	5,690 (1,520 - 6,150)	6,450 (1,520 - 6,740)	7,100 (1,900 - 7,900)	10,500 (6,900-15,000)	12,500 (7,900 - 15,444)			
Nominal Total Input Power		W	1,590	1,910	2,212	3,070	3,880			
Nominal Running Current		A	7.16	8.48	9.77	4.85	6.04			
EER		BTU/h/W	12.20	11.52	10.94	11.66	10.98			
		W/W	3.58	3.38	3.21	3.42	3.22			
Power Source		V/Ph/Hz	220 - 240 / 1 / 50			380 - 415 / 3 / 50				
Indoor Unit	Control		Air Discharge					4 WAYAUTOMATIC LOUVER (UP & DOWN)		
			Operation					WIRELESS OR WIRED		
	Air Flow		High	I/s (CFM)	283 (600)	321 (680)	410 (860)	490 (1,030)	780 (1,200)	
			Medium	I/s (CFM)	250 (530)	283 (600)	342 (725)	406 (860)	486 (1,030)	
			Low	I/s (CFM)	203 (430)	250 (530)	293 (620)	349 (740)	439 (930)	
			Super Low	I/s (CFM)	189 (400)	203 (430)	250 (530)	293 (620)	368 (780)	
	Sound Pressure Level (H/M/L)		dBA	34/31/28/27	37/34/31/30	41/38/35/32	44/41/38/35	47/44/43/39		
	Unit Dimension		Height	mm (in)	265 (10.43)		265 (10.43)		300 (11.81)	
			Width	mm (in)	820 (32.3)					
			Depth	mm (in)	820 (32.3)					
Packing Dimension		Height	mm (in)	300 (11.80)		306 (12.05)		335 (13.19)		
		Width	mm (in)	916 (36.1)						
		Depth	mm (in)	916 (36.1)						
Unit Weight		kg (lb)	32 (70.55)	34 (74.96)	31 (68.34)	39 (85.98)	41 (90.39)			
Air Flow		I/s (CFM)	869 (1,842)		1,786 (3,034)		1,553 (3,290)		1,534 (3,250)	
Sound Pressure Level		dBA	51		50		50		51	
Unit Dimension		Height	mm (in)	753 (29.65)		753 (29.65)		1,374 (54.09)		
		Width	mm (in)	855 (33.66)		940 (37.01)		900 (35.43)		
		Depth	mm (in)	328 (12.91)		392 (15.43)		320 (12.60)		
Packing Dimension		Height	mm (in)	793 (31.22)			1,529 (60.20)			
		Width	mm (in)	990 (38.98)			1,030 (40.55)			
		Depth	mm (in)	415 (16.34)			421 (16.57)			
Unit Weight		kg (lb)	51 (112.44)			100 (220.46)				
Pipe Connection		Type		FLARE VALVE						
		Size	Liquid	mm (in)	6.35 (1/4)		9.52 (3/8)			
			Gas	mm (in)	12.70 (1/2)		15.87 (5/8)			
Refrigerant		R410A								

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2. Nominal Cooling Capacity are based in the conditions below:
Cooling - 27°C DB / 19°C WB indoor and 35°C DB / 24°C WB outdoor
3. Sound Pressure Level are according to JIS C 9612 standard. Position of the measurement point is 1m in front and 0.8m below the unit.
4. Units are tested & comply to international standards such as ISO 5151 and AHRI 210/240.



R410A Ceiling Cassette C Series Inverter

Model		Indoor	A5CKY 10C	A5CKY 15C	
		Outdoor	A5LCY 10D	A5LCY 15D	
Nominal Cooling Capacity (Min-Max)		BTU/h	9,500 (3,650 - 12,000)	12,500 (4,800 - 14,000)	
		W	2,780 (1,070 - 3,520)	3,660 (1,410 - 4,100)	
Nominal Total Input Power		W	770	990	
Nominal Running Current		A	4.08	4.45	
EER		BTU/h/W	12.34	12.63	
		W/W	3.61	3.70	
Power Source		V/Ph/Hz	220 - 240 / 1 / 50		
Indoor Unit	Control	Air Discharge			4 WAYAUTOMATIC LOUVER (UP & DOWN)
		Operation			WIRELESS OR WIRED
	Air Flow	High	I/s (CFM)	189 (400)	193 (410)
		Medium	I/s (CFM)	184 (390)	
		Low	I/s (CFM)	175 (370)	170 (360)
	Sound Pressure Level (H/M/L)		dB(A)	44 / 41 / 38	45 / 42 / 38
	Unit Dimension	Height	mm (in)	250 (9.84)	
		Width	mm (in)	570 (22.44)	
		Depth	mm (in)	570 (22.44)	
	Packing Dimension	Height	mm (in)	316 (12.44)	
Width		mm (in)	630 (24.80)		
Depth		mm (in)	630 (24.80)		
Unit Weight		kg (lb)	18 (39.68)		
Outdoor Unit	Air Flow		I/s (CFM)	521 (1,100)	
	Sound Pressure Level		dB(A)	48	
	Unit Dimension	Height	mm (in)	550 (21.65)	
		Width	mm (in)	765 (30.12)	
		Depth	mm (in)	285 (11.22)	
	Packing Dimension	Height	mm (in)	610 (24.02)	
		Width	mm (in)	895 (35.24)	
		Depth	mm (in)	360 (14.17)	
	Unit Weight		kg (lb)	31 (68.34)	33 (72.75)
	Pipe Connection	Type			FLARE VALVE
Size		Liquid	mm (in)	6.35 (1/4)	
		Gas	mm (in)	9.52 (3/8)	12.70 (1/2)
Refrigerant		R410A			

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