CEILING
CASSETTE SERIES

Zephyr

acson
International
Air Conditioners

Model:
A5CK 20F - 50F

Nominal Cooling Capacity:
1.76kW ~ 4.92kW
18,500 BTU/h ~ 46,000 BTU/h

Acson Ceiling Cassette provides optimun comfort in a simple and elegant way. A comfort cooling environment is provided by 4 ways of air discharge. With the powerful distribution and elegant panel design, modern lifestyle is assured with fine serenity and calm.

PLUSMA
Deodorize! Sterilize! Purify!

Unit comes with advance Plusma Technology which effectively deactivate bacteria by damaging those microbial DNA and their surface structures. It emits massive positive and negative ions, and sterilize surrounding air more effectively, providing fresh and clean environment to ensure optimal comfort of users.

*Applicable for A5CK-C and A5CK-F Series.

ECOcool
Eco Friendly Product Series R410A

Acson Ceiling Cassette is equipped with R410A refrigerant gas. R410A refrigerant is a near-azeotropic mixture of 50% of R32 and 50% of R125 which contributes zero Ozone Depletion Potential (ODP). It is a greener choice compared to R22 refrigerant to preserve global climate changes.

Common Installation Places

Sometimes, people do feel stuffy and uncomfortable in a room full of people. Hot air tends to circulated in a enclosed room and people are contributing to higher room's temperature.

1. Large Common Place
Provides maximun comfort cooling especially when the room is full of people.

2. Office and Shop
Provides fast cooling and direct airflow for social purpose. Concentration is disrupted when the room is stuffy and warm.

3. Restaurant and Coffee Shop
Various type of odours will bring discomfort to the customers. Plusma technology helps to purify the air to bring better quality of air.
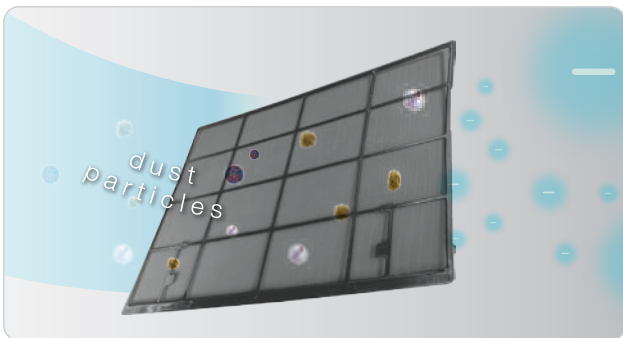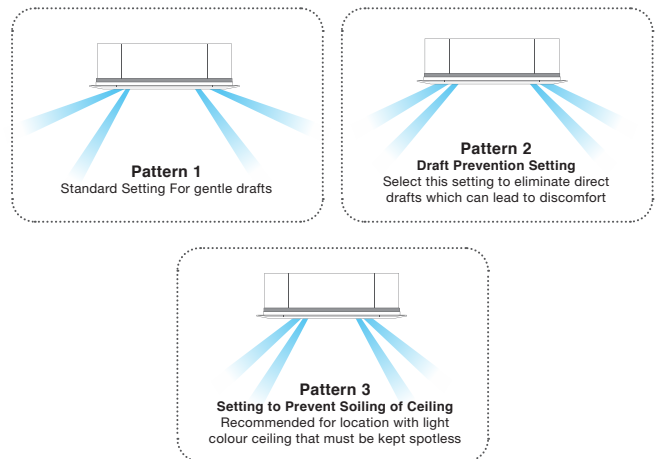
Features of Ceiling Casette

Slim and Elegant Futuristic Design

Maintaning classy and elegant interior design with our stylish and slim panel which blend in seamlessly.Leveraging the uniformity of panel size and unit positioning in any room is enhanced. Installation of various capacity models are made possible.

4-D Cooling Comfort

Four ways air discharge providing excellent cooled air distribution throughout the space. By taking every corner into consideration, it ensures optimal level of comfort. Air flow direction can be fixed at user's designated angle by the remote controller with Auto Mode.

Pattern 1
Standard Setting For gentle drafts

Pattern 2
Draft Prevention Setting
Select this setting to eliminate direct drafts which can lead to discomfort

Pattern 3
Setting to Prevent Soiling of Ceiling
Recommended for location with light colour ceiling that must be kept spotless

dust particles

Durable and Accessible Saranet Filter

The anti fungus air filter can trap duct particles in the air which leads to more fresh and healthy enviroment. Our filer can be cleaned by just simply washing it with water, allowing it to be used repeatedly without regular change.

Fresh Air Intake

Optional fresh air intake mechanism according to user's preference. Knock-out hole is available on ceiling cassette indoor unit where a duct can be fitted to increase the intake of outdoor air. A fresher environment is made possible especially for places where ventilation fan is not installed.
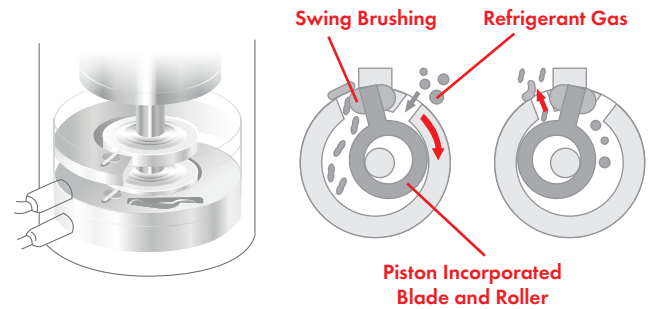

Indoor

Outside

Power of Inverter

Acson Inverter technology controls the compressor's speed accordingly to continuously regulate the room's temperature. The compressor is not constantly running at full power, as the system utilizes a controlled compressor that works at variable speed settings. This consequently lead to much more energy-efficient and environmentally-friendly option than traditional AC.
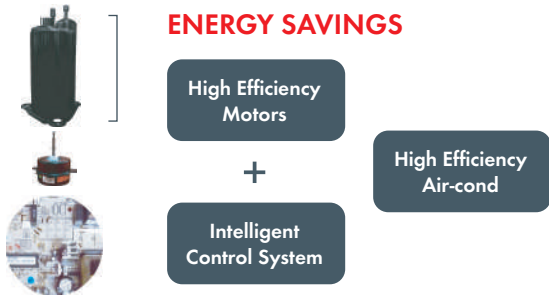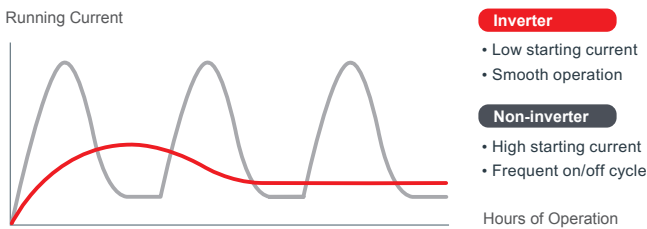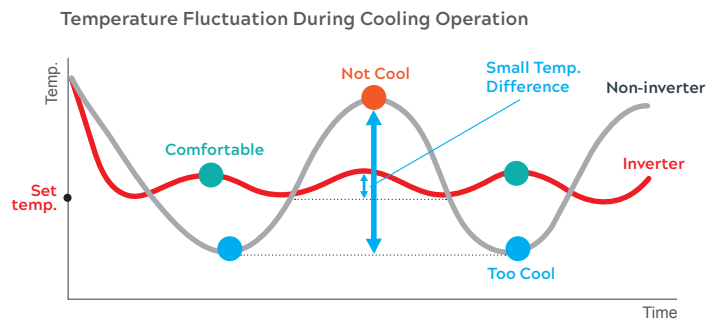
Acson R410A Inverter ultilizes hermetic swing compressor. It's precise structure and mechanical movement help to reduce friction and vibration compared to conventional rotary compressor. This reduces refrigerant leakage and ensures maximun capacity is achieved.

ENERGY SAVINGS

High Efficiency Motors

+

Intelligent Control System

High Efficiency Air-cond

Swing Brushing   Refrigerant Gas

Piston Incorporated Blade and Roller

Comfort Control

Non-Inverter System uses a fixed-speed compressor, which cycles the unit on and off once the room dips below desired temperature. This can lead to unpleasant temperature swings as the system need to mantain maintain a constant temperature. Inverter's compressor speed is controlled at variable speed which provides a more precise, on-demand approach to temperature control.

Temperature Fluctuation During Cooling Operation

Temp.

Not Cool

Small Temp. Difference

Non-inverter

Comfortable

Inverter

Set temp.

Too Cool

Time

Running Current

Inverter
• Low starting current
• Smooth operation

Non-inverter
• High starting current
• Frequent on/off cycle

Hours of Operation

| Inverter | Gradual Increase of compressor rotation |
| Non-Inverter | High starting torque to start compressor from stationary compressor |

Energy Saving

From an energy perspective, constantly turn on and off compressor can be a costly endeavor.

While inverter system is always on, running at a fraction of full speed is far more efficient in the long run. It's estimated that non- inverter system systems draws higher power on start-up than inverter system.

ULTRA GOLD FIN

The condensor coil is protected with hydrophilic gold fin, which is type of protective layer coating on the fin and it can prolong the lifespan of heat exchanger. Thanks to the hydrophilic gold fin, the condensor coil is more resistant to corrosion, rust, rain & high temperature, without affect the cooling performance.

Applicable to inverter model only

ULTRA GOLD FIN

MY Acson, MY Control (Optional Accessory)

MY Acson now offers smart functionality to boost your smart home experience. With MY Acson, you can convieniently control and monitor air conditoner units at anywhere and anytime.Instead of running for the AC remote controller as soon as you reach home, you can enjoy a cool breeze with few taps on your smartphone now.
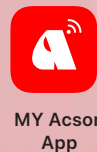
*R410A CK Applicable models : A5CK-C and A5CK-F Series.
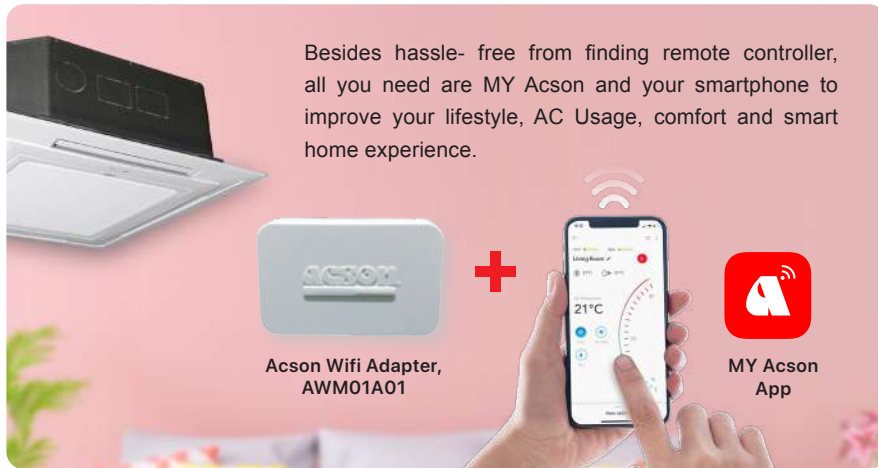
Besides hassle- free from finding remote controller, all you need are MY Acson and your smartphone to improve your lifestyle, AC Usage, comfort and smart home experience.

Acson Wifi Adapter, AWM01A01

+

MY Acson App

MY Acson App

A single swipe on the phone application which designed with simple control user interface. MY Acson is currently available for both Android & IOS system.

MY ACSON

Download on the App Store

ANDROID APP ON Google play

MY Complete Control	**MY** Convenience	**MY** Comfort
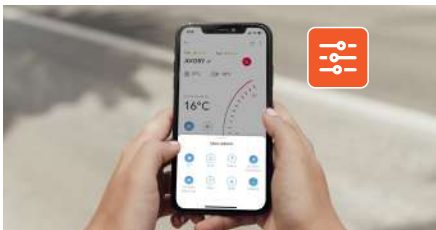
MY Complete Control
- Setting different modes to suit your needs and comfort.
- Controlling fan speed, air flow direction & temperature settings
- Controlling the Zoning System

MY Convenience
- Set 7-day schedules & timers that adjust AC according to your lifestyle
- Control every AC unit from your couch - no need to go racing room-to-room changing settings
- Guest sharing option - possible to be both hospitable and safe

MY Comfort
- Pre-cool your room whilst still in the workplace or office.
- Room is already pre-cooled according to your desired settings as you reach home.

Specification

Dimension	Height (mm)	32
	Width (mm)	50
	Depth (mm)	15
Wi-Fi Frequency		2.4GHz
Network Configuration		
Out-of-home Control		Internet
In-home Control		LAN, Bluetooth
Electrical Specification		
Communication Protocol		NS
Input Supply	Voltage	5V
	Current	150 mA
	Power Consumption	750 mW
Supported OS		Android 5 or later; IOS 9 or later

Specifications
A5CK Series (R410A)

PLUSMA Deodorize! Sterilize! Purify!

ECOcool Eco Friendly Product Series — R410A

Model			A5CK 10C	A5CK 15C	A5CK 20F	A5CK25F	A5CK30F	A5CK30F	A5CK35F	A5CK40F	A5CK50F
	Indoor		A5CK 10C	A5CK 15C	A5CK 20F	A5CK25F	A5CK30F	A5CK30F	A5CK35F	A5CK40F	A5CK50F
	Outdoor		A5LC 10F	A5LC15F	A5LC 20C	A5LC25C	A5LC28C	A5LC30C	A5LC35D	A5LC40D	A5LC50D
Nominal Cooling Capacity		BTU/h	9,500	12,500	18,500	23,000	28,000	30,000	36,000	42,000	46,000
		kW	2.78	3.66	5.42	6.74	8.21	8.79	10.55	12.31	13.50
Nominal Total Input Power		W	950	1,250	1,795	2,090	2,810	2,930	3,770	4,110	4,800
Nominal Running Current		A	4.26	5.60	7.92	9.24	13.0	13.6	16.7	6.57	8.39
EER		BTU/h/W	2.93		3.02	3.22	2.92	3.00	2.80	3.00	2.81
		W/W	10		10.31	11.00	9.96	10.24	9.55	10.22	9.58
Power Source		V/Ph/Hz	220-240 / 1/ 50							380 - 415/3/50	
Refrigerant Type			R410A								

Indoor Unit					A5CK 10C	A5CK 15C	A5CK 20F	A5CK25F	A5CK30F	A5CK30F	A5CK35F	A5CK40F	A5CK50F
	Control	Operation			WIRED OF WIRELESS								
		Air Discharge			4 WAY AUTOMATIC LOUVER (UP AND DOWN)								
	Air Flow	High	l/s (CFM)		194 (410)		396 (840)	420 (890)	420 (890)	420 (890)	486 (1030)	529 (1120)	529 (1120)
		Medium	l/s (CFM)		170 (360)		330 (700)	359 (760)	359 (760)	359 (760)	411 (870)	486 (1030)	486 (1030)
		Low	l/s (CFM)		156 (330)	146 (310)	264 (560)	293 (620)	293 (620)	293 (620)	345 (730)	420 (890)	420 (890)
		Super Low	l/s (CFM)		-	-	207 (440)	231 (490)	231 (490)	231 (490)	274 (580)	359 (760)	359 (760)
	Sound Pressure Level		dBA		41/38/35	41/38/34	39/37/34/31	41/38/35/32			46/41/37/34	48/45/41/37	
	Unit Dimension	Height	mm (in)		250 (9.84)		246 (9.69)	246 (9.69)	246 (9.69)	246 (9.69)	288 (11.34)	288 (11.34)	288 (11.34)
		Width	mm (in)		570 (22.44)		840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)
		Depth	mm (in)		570 (22.44)		840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)	840 (33.07)
	Unit Dimension (Panel)	Height	mm (in)		295 (11.61)		301 (11.85)	301 (11.85)	301 (11.85)	301 (11.85)	343 (13.50)	343 (13.50)	343 (13.50)
		Width	mm (in)		640 (25.20)		950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)
		Depth	mm (in)		640 (25.20)		950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)	950 (37.40)
	Packing Dimension	Height	mm (in)		316 (12.48)		324 (12.76)		324 (12.76)		370 (14.57)		
		Width	mm (in)		630 (24.80)		916 (36.06)		916 (36.06)		916 (36.06)		
		Depth	mm (in)		630 (24.80)		916 (36.06)		916 (36.06)		916 (36.06)		
	Unit Weight		kg (lb)		15.5 (34.17)		22 (49)		22 (49)	22 (49)	25 (55)	25 (55)	25 (55)
	Unit Weight (Panel)		kg (lb)		2 (4.41)		5 (11)		5 (11)	5 (11)	5 (11)	5 (11)	5 (11)

Outdoor Unit				A5CK 10C	A5CK 15C	A5CK 20F	A5CK25F	A5CK30F	A5CK30F	A5CK35F	A5CK40F	A5CK50F
	Air Flow		l/s / CFM	438 (927)	390 (827)	598 (1430)	755 (1600)	808 (1712)	808 (1712)	1416 (3000)	1487 (3150)	
	Sound Pressure Level		dBA	46	48	49	52	54	56	58	60	
	Unit Dimension	Height	mm (in)	550 (21.65)		651 (25.63)	651 (25.63)	753 (29.65)		852 (33.54)	852 (33.54)	852 (33.54)
		Width	mm (in)	658 (25.91)		855 (33.66)	855 (33.66)	855 (33.66)		1030 (40.55)	1030 (40.55)	1030 (40.55)
		Depth	mm (in)	273 (10.75)		328 (12.91)	328 (12.91)	328 (12.91)		400 (15.75)	400 (15.75)	400 (15.75)
	Packing Dimension	Height	mm (in)	580 (22.83)		693 (27.28)	693 (27.28)	793 (31.22)		1010 (39.76)	1010 (39.76)	1010 (39.76)
		Width	mm (in)	775 (30.51)		990 (38.98)	990 (38.98)	990 (38.98)		1180 (46.46)	1180 (46.46)	1180 (46.46)
		Depth	mm (in)	355 (13.98)		415 (16.34)	415 (16.34)	415 (16.34)		514 (20.24)	514 (20.24)	514 (20.24)
	Unit Weight		kg (lb)	28 (61.73)	29 (63.93)	43 (94.80)	47 (103.62)	57 (125.66)	57 (125.66)	71 (156.53)	84 (185.19)	
	Pipe Connection	Type		FLARE VALVE								
		Size Liquid	mm (in)	6.35 (1/4)			9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	
		Size Gas	mm (in)	9.52 (3/8)		12.70 (1/2)	15.88 (0.63)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Refrigerant Charge		kg(lb)	0.67 (1.48)	0.95 (2.09)	1 .00 (2.20)	1.70 (3.86)	2.05 (4.52)	2.10 (4.63)	1.9 (4.19)	2.7 (5.95)	3.05 (6.72)

1. All specifications are subjected to change by the manufacturer without prior notice
2. Nominal Cooling Capacity is based on the conditions : Cooling 27°C DB/ 19°C WB indoor and 35°C DB/ 24°C WB outdoor.
3. Sound Pressure Level is according to JIS B 8615 standard. Position of the measurement point is 1m in front and 1m below the unit.
4. Units are tested & complied to international standards such as ISO 5151 and AHRI 210/240.

Specifications
R410A Ceiling Cassette C and E Series Inverter

ECOcool Eco Friendly Product Series **R410A**

Model	Indoor			A5CKY 10C	A5CKY 15C	A5CKY 20E	A5CKY 25E	A5CKY 28E	A5CKY 40E	A5CKY 50E
	Outdoor			A5LCY 10D	A5LC 15D	A5LCY 20C	A5LCY 25C	A5LCY 28CR	A5LCY 40FR	A5LCY 50FR
Nominal Cooling Capacity			BTU/h	9,500	12,500	19,400	22,000	24,200	35,800	42, 600
			kW	2.78	3.66	5.69	6.45	7.10	10.5	12.5
Nominal Total Input Power			W	770	940	1,590	1,910	2,212	3,070	3,880
Nominal Running Current			A	4.08	4.45	7.16	8.48	9.77	4.85	6.04
EER			BTU/h/W	12.32	12.62	12.20	11.52	10.95	11.66	10.98
			W/W	3.61	3.7	3.58	3.38	3.21	3.42	3.22
Power Source			V/Ph/Hz	220-240 / 1 /50					380-415 / 3 /50	
Refrigerant Type				R410A						
Indoor Unit	Control	Operation		WIRELESS OR WIRED						
		Air Discharge		4 WAY AUTOMATIC LOUVER (UP AND DOWN)						
	Air Flow	High	l/s (CFM)	189 (400)	193 (410)	283 (600)	321 (680)	410 (860)	490 (1,030)	780 (1,200)
		Medium	l/s (CFM)	184 (390)		250 (530)	283 (600)	342 (725)	406 (860)	486 (1,030)
		Low	l/s (CFM)	175 (370)	170 (360)	203 (430)	250 (530)	293 (620)	349 (740)	439 (930)
	Sound Pressure Level		dBA	44 / 41 / 38	45 / 42 /38	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)	250 (9.84)		265 (10.43)			300 (11.81)	
		Width	mm (in)	570 (22.44)		820 (32.2)				
		Depth	mm (in)	570 (22.44)		820 (32.2)				
	Packing Dimension	Height	mm (in)	316 (12.44)		330 (12.99)		306 (12.05)	335 (13.19)	
		Width	mm (in)	630 (24.80)		916 (36.1)				
		Depth	mm (in)	630 (24.80)		916 (36.1)				
	Unit Weight		kg (lb)	18 (39.68)		30 (66.14)		31 (68.34)	39 (85.98)	41 (90.39)
	Unit Weight (Panel)		kg (lb)	2 (4.41)		4 (8.82)				
Outdoor Unit	Air Flow		l/s / CFM	473 (1,000)		869 (1,482)		843 (1,786)	1,553 (3,290)	1,534 (3,250)
	Sound Pressure Level		dBA	49		51		50		51
	Unit Dimension	Height	mm (in)	550 (21.65)		753 (29.65)			1,374 (54.09)	
		Width	mm (in)	765 (30.12)		855 (33.66)		940 (37.01)	900 (35.43)	
		Depth	mm (in)	285 (11.22)		328 (12.91)		392 (15.43)	320 (12.60)	
	Packing Dimension	Height	mm (in)	610 (24.02)		793 (31.22)			1,529 (60.20)	
		Width	mm (in)	895 (35.24)		990 (38.98)			1030 (40.55)	
		Depth	mm (in)	360 (14.17)		415 (16.34)			421 (16.57)	
	Unit Weight		kg (lb)	31 (68.34)	33 (72.75)	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)	9.52 (3/8)	12.70 (1/2)	15.88 (5/8)				
	Refrigerant Charge		kg(lb)	0.75 (1.65)	1.1 (2.42)	1.45 (3.20)	1.50 (3.31)	1.80 (3.97)	3.95 (8.71)	

1. All specifications are subjected to change by the manufacturer without prior notice
2. Nominal Cooling Capacity is based on the conditions : 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 & complied to international standards such as ISO 5151 and AHRI 210/240.

Remarks: A5CKY40E and A5CKY50E are available in power supply of 220-240v/1Phase/50Hz.

acson
International
Air Conditioners

ACSON MALAYSIA SALES & SERVICE SDN.BHD.
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CAT-A5CK,A5CKY-2101