

# ***CEILING MOUNTED SERIES***

Iconic



**ECOcool**  
Eco-Friendly Product Series **R410A**

**ACSON**  
International  
Air Conditioners



**Model:**  
A5CM 15C - 62C

**Nominal Cooling Capacity:**  
1.27kW ~ 6.41kW  
12,500 BTU/h ~ 55,000 BTU/h

Acson Ceiling Mounted Ecocool Series provides magnificent cooling comfort with a wide range of airtrow range and cost savvy on mind. Desired cooling comfort can be achieved rapidly through excellent air distribution. Reliable yet durable to deliver maximun air flow to the surroundings.



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. At Acson, we commit to bring the best air solutions by taking in environmentally-friendly consideration.

**R22**  
refrigerant  
contributes  
**0.05 ODP**

**R410A**  
refrigerant  
contributes  
**0 ODP**

## Common Installation Places



### 1. Restaurant and Cafe Shop

Ensuring every corners will be cooled and optimum cooling comfort will be achieved especially for social gathering purposes. Optimum cooling temperature is vital to ensure customers's comfort during social gathering.



### 2. Lobby

Hot air from outside easily circulated inside lobby with the frequent entry from outside. Acson Ceiling Mounted is able to maintain desired temperature with consistent optimum air distribution by motorized louver. A powerful airflow allows distribution of air from the upper and lower air outlets.



### 3. School Hall

Feel the fast cooling and powerful airflow especially at the fully-occupied hall. Hot air tends to stagnated at in fully-occupied hall which will bring discomfort and concentration will be disrupted. Acson Ceiling Mounted is able to provide powerful airflow which aids the circulation of the cool air.

## Features of Ceiling Mounted

### Aesthetically Compact Design

Acson Ceiling Mounted Series has slim compact design for economical and space saving installation. The unit's installation can be easily done without ceiling hacking.



### Powerful Airflow and Instant Cooling

Instant cooling and concentrated air flow will be distributed evenly across the room. Desired cooling comfort will be continuously maintained to keep the occupants comfortable and relax



### Ceiling & Floor Installation Option

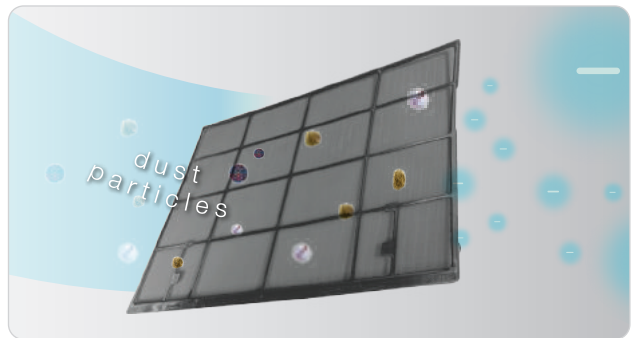
Specially designed to provide versatility installation for the user. The user can choose whether ceiling mounted installation or floor mounted installation if there is no space at ceiling installation.

\*Applicable models for floor installation: A5CMY40E and A5CMY50E



### Durable and Accessible Saranet Filter

The anti fungus can trap filter duct particles in the air , thus providing fresh and healthy environment for the occupants. Easy maintenance and cleaning can be possibly done as the filter can be accessed easily and can be cleaned by using water only. The filter can be repeatedly used after cleaning to avoid regular change.



### Optional Accessories

Acson Easi Flo Series drainage pump can be requested as optional to drain the condensate water from the unit. We offer a peace of mind for the user as our Acson Easi Flo Series drainage pump comply with international electrical appliances safety standards.



Easi-Flo II



Easi-Flo 22



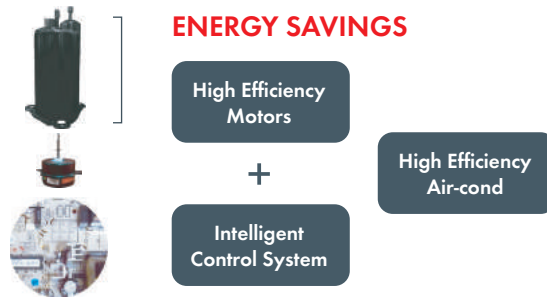
Easi-Flo 33



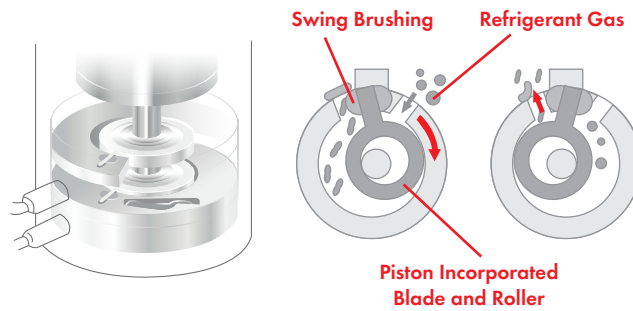
Easi-Flo 55

## 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.



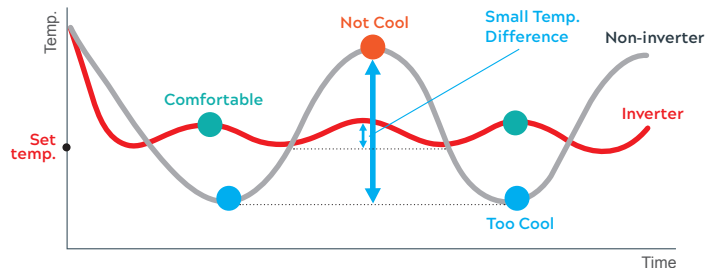
Acson R410A Inverter utilizes hermetic swing compressor. It's precise structure and mechanical movement help to reduce friction and vibration compared to conventional rotary compressor. This reduces refrigerant leakage and ensures maximum capacity is achieved.



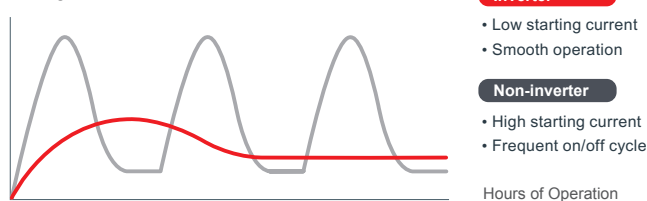
## Comfort Control

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 maintain 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



Running Current



**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.

## MY Acson, MY Control (Optional Accessory)

MY Acson now offers smart functionality to boost your smart home experience. With MY Acson, you can conveniently control and monitor air conditioner 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 CM Applicable Models:

A5CM-C Series

A5CMY- E Series (4.0HP & 5.0HP), NS Splitter is required.



### 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.

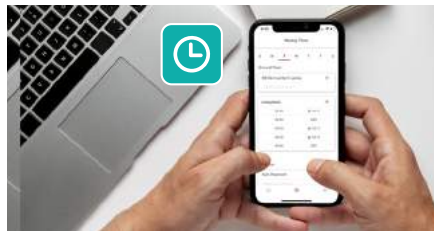


### MY Complete Control



- 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)



Model		Indoor Unit		A5CM 15C	A5CM 20C	A5CM 25C	A5CM 30C	A5CM 30C	A5CM 35C	A5CM 40C	A5CM 50C	A5CM 62C		
		Outdoor Unit		A5LC 15F	A5LC 20C	A5LC 25C	A5LC 28C	A5LC 30C	A5LC 35D	A5LC 40D	A5LC 50D	A5LC 61D		
Nominal Cooling Capacity		BTU/h		12,500	18,000	21,000	27,000	29,000	35,000	42,000	44,500	55,000		
		kW		3.66	5.27	6.15	7.91	8.49	10.25	12.31	13.04	16.11		
Nominal Total Input Power		W		1,270	1,760	2,020	2,820	2,950	3,800	4,100	4,900	6,414		
Nominal Running Current		A		5.69	7.80	9.00	13.20	13.70	16.90	6.67	8.52	9.60		
EER		BTU/h/W		9.84	10.23	10.40	9.57	9.83	9.21	10.24	9.08	8.57		
		W/W		2.88	3.00	3.05	2.81	2.88	2.70	3.00	2.66	2.51		
Power Source		V/Ph/Hz		220-240/1/50					380-415/3/50					
Refrigerant Type		R410A												
Indoor Unit	Control	Operation												
		Air Discharge												
	WIRELESS REMOTE CONTROL													
	MANUAL (UP & DOWN)													
	Air Flow		High	l/s / CFM	260 / 550	287 / 608		374 / 792		480 / 1015	552 / 1107	589 / 1247	732 / 1550	
			Medium	l/s / CFM	228 / 484	276 / 586		334 / 707		439 / 930	471 / 999	560 / 1186	623 / 1320	
			Low	l/s / CFM	180 / 382	220 / 466		289 / 613		353 / 749	354 / 751	525 / 1113	472 / 1000	
	Sound Pressure Level (H/M/L)		dBA		43 / 38 / 34	46 / 43 / 39		46 / 44 / 40		48 / 44 / 41	49 / 45 / 43	54 / 52 / 50	56 / 53 / 46	
	Unit Dimension		Height	mm / in	235 / 9.25							285 / 11.2		
			Width	mm / in	1203 / 47.36			1553 / 61.14			1903 / 74.92			
			Depth	mm / in	680 / 26.77									
	Packing Dimension		Height	mm / in	293 / 11.54				293 / 11.53				373 / 14.69	
			Width	mm / in	1278 / 50.31			1628 / 64.09			1,978 / 77.87			2,011 / 79.17
			Depth	mm / in	749 / 29.49			749 / 29.49			749 / 29.49		793 / 31.22	
Unit Weight		kg / lb		30 / 66	31 / 68		41 / 90		51 / 112	52 / 114	55 / 121	70 / 154		
Condensate Drain Size		mm / in		19.05 / 0.75										
Outdoor Unit	Air Flow		l/s / CFM		390 / 827	675 / 1,430	755 / 1,600	808 / 1,712		1,416 / 3,000	1,487 / 3,150		1,812 / 3,840	
	Sound Pressure Level		dBA		48	49	52	54	56	58	60	60	65	
	Unit Dimension		Height	mm / in	550 / 21.65	651 / 25.63		753 / 29.65		852 / 33.54				
			Width	mm / in	658 / 25.91	855 / 33.66						1,030 / 40.55		
			Depth	mm / in	273 / 10.75	328 / 12.91				400 / 15.75				
	Packing Dimension		Height	mm / in	580 / 22.83	693 / 27.28		793 / 31.22		1,010 / 39.76				
			Width	mm / in	775 / 30.51	990 / 38.98						1,180 / 46.46		
			Depth	mm / in	355 / 13.98	415 / 16.34		415 / 16.34	415 / 16.34	514 / 20.24				
	Unit Weight		kg / lb		29 / 63	43 / 94	47 / 103	57 / 125	57 / 125	71 / 156	84 / 185		105 / 232	
	Pipe Connection (Pipe Thickness)		Type		Flare Valve									
Size			Liquid	mm / in	6.35 / 1/4				9.52 / 3/8					
			Gas	mm / in	12.7 / 1/2			15.88 / 5/8					19.1 / 3/4	
Refrigerant Charge		kg / lb		0.95 / 2.09	1.00 / 2.20	1.7 / 3.75	1.90 / 4.19	2.00 / 4.41	1.90 / 4.19	3.10 / 6.83	2.70 / 5.95	2.90 / 6.39		

### Remarks:

1. All specifications are subjected to change by the manufacturer without prior notice.
2. Normal Cooling Capacity is based in 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.

# Specifications

## A5CMY E & C Inverter Series



Model		Indoor Unit		A5CMY 40E	A5CMY 50E	A5CMY 62C	
		Outdoor Unit		A5LCY 40FR	A5CMY 50FR	A5LCY 60FR	
Nominal Cooling Capacity		BTU/h		34,100	42,600	44,300	
		W		10,000	12,500	13,000	
Nominal Total Input Power		W		3,280	4,150	4,890	
Nominal Running Current		A		14.90	6.47	7.54	
EER		BTU/h/W		10.41	10.27	9.07	
		W/W		3.05	3.01	2.66	
Power Source		V/Ph/Hz		380-415 / 3 / 50			
Refrigerant Type		R410A					
Indoor Unit	Control	Operation			WIRELESS AND WIRED		
		Air Discharge			AUTOMATIC LOUVER UP AND DOWN		
	Air Flow		High	l/s / CFM	520 (1,100)	570 (1,215)	732 (1,550)
			Medium	l/s / CFM	464 (983)	511 (1,082)	651 (1,320)
			Low	l/s / CFM	414 (877)	453 (959)	472 (1,000)
	Sound Pressure Level (H/M/L)		dBA		52 / 47 / 46	52 / 50 / 49	56 / 53 / 46
	Unit Dimension		Height	mm/ in	260 (10.24)		285 (11.22)
			Width	mm/ in	1,538 (60.55)	1,786 (70.31)	1,903 (74)
			Depth	mm/ in	634		608
	Packing Dimension		Height	mm/ in	330 (12.99)		351 (13.82)
			Width	mm/ in	1,645 (64.76)	1,892 (74.49)	2,016 (79.37)
			Depth	mm/ in	724 (28.50)		788 (31.02)
	Unit Weight		kg/ lb		45 (99.21)	65 (143.30)	70 (154.32)
	Condensate Drain Size		mm/ in		19.1 (3/4)		
Outdoor Unit	Air Flow		l/s / CFM		1553/3290	1534/3250	
	Sound Pressure Level		dBA		50	51	51
	Unit Dimension		Height	mm/ in	1,374 (54.09)		
			Width	mm/ in	900 (35.43)		
			Depth	mm/ in	320 (12.60)		
	Packing Dimension		Height	mm/ in	1,529 (60.20)		
			Width	mm/ in	1,030 (40.55)		
			Depth	mm/ in	421 (16.57)		
	Unit Weight		kg/ lb		100 (220.46)		
	Pipe Connection (Pipe Thickness)		Type			Flare Valve	
Size			Liquid	mm/ in	9.52 (3/8)		
			Gas	mm/ in	15.88 (5/8)		
Refrigerant Charge		kg/ lb		4.3 / 9.48			

Remarks:

1. All specifications are subjected to change by the manufacturer without prior notice.
2. Normal Cooling Capacity is based in the conditions: Cooling 27°C DB/19°C WB indoor and 35°C DB/ 24°C WB outdoor
3. Units are tested & complied to international standards such as ISO 5151.



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