

# AVORY

PREMIUM



**ACSON**<sup>®</sup>  
International  
Air Conditioners











# AVORY

## PREMIUM



### INVERTER SERIES

**Model:** A3WMY10APF – A3WMY25APF  
**Cooling Capacity:** 9,700 - 22,500 BTU/h  
**Power Input:** 0.74 - 1.79kW

		Horse Power (HP)	1.0	1.5	2.0	2.5	
R32	Inverter	Indoor Unit					
		A3WMY10APF	A3WMY15APF	A3WMY20APF	A3WMY25APF		
							
		Outdoor Unit					
		A3LCY10F1	A3LCY15F1	A3LCY20F1	A3LCY25F1		
							





# Foresto™

## TECHNOLOGY

Acson Foresto Technology brings you to the peace of the forest by combining powerful Plusma function, Filtronz+ and R32 greenery refrigerant. By supplying clean and fresh air, it helps to recharge your mind and soul, make resting more effective.



### FILTRONZ+

Anti Virus Technology

We understand how importance nature breeze is, that is why we incorporate Filtronz+ Anti Virus technology into our air conditioner. Acson Filtronz+ Filter eliminates your worries on indoor air quality with our advanced filter technology.

Filtronz+ Filter will not only traps airborne dust particles, but also decompose virus and reduce bacteria & fungus on the air filter surface.



### Deodorize, Sterilize, Purify

Acson PLUSMA utilizes cold plasma technology where massive positive and negative ions are produced. PLUSMA will deodorize, sterilize and purify air to give a fresher, healthier and more refreshing environment for better health and sustainability lifestyle. A PLUS for your health.



PLUSMA generates massive amount of positive IONS and even more negative IONS.

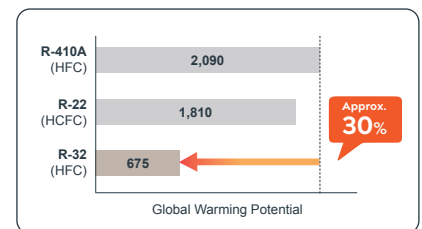


Function to Sterilize and neutralize harmful virus and bacteria.



### R32 Refrigerant Greenery Refrigerant

R32 is a single component refrigerant and used to be one of the components of R410A. It is remarkable for its low environmental impact. In other words, it also consists of zero Ozone Depletion Potential (ODP) and helps to preserve global climate changes.



The R32 refrigerant has a low Global Warming Potential (GWP), which one-third lower as compared to R410A









## iSenz+

AVORY PREMIUM is equipped with iSenz+ which able to detect and know the human presence by using thermal image. No matter you are walking or sleeping, it also can track your position, providing the cool air to you.



Sleeping

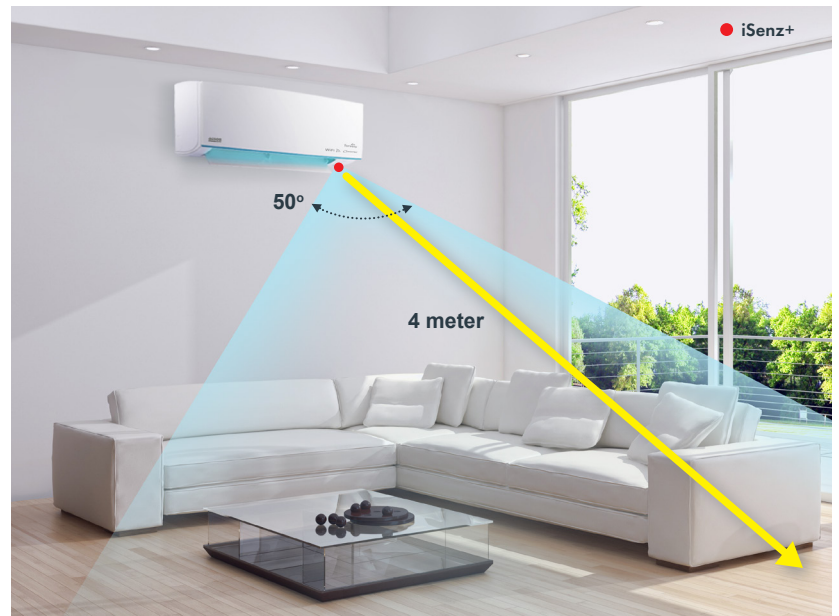


Standing



Running

iSenz+ capture and sense the location of human heat source in wide range of 50° and further up to 4 meter. Within the detection zone, the air flow into either left, middle or right region to locate the human temperature. iSenz+ will continuously target the high temperature region until both surrounding and human are cool enough.



*Remark: The movement of small animals, temperature change due to a heat-generating object or areas exposed to sunlight may incorrectly be detected as a person.*



# Air Comfort



## Vertical & Horizontal Swing

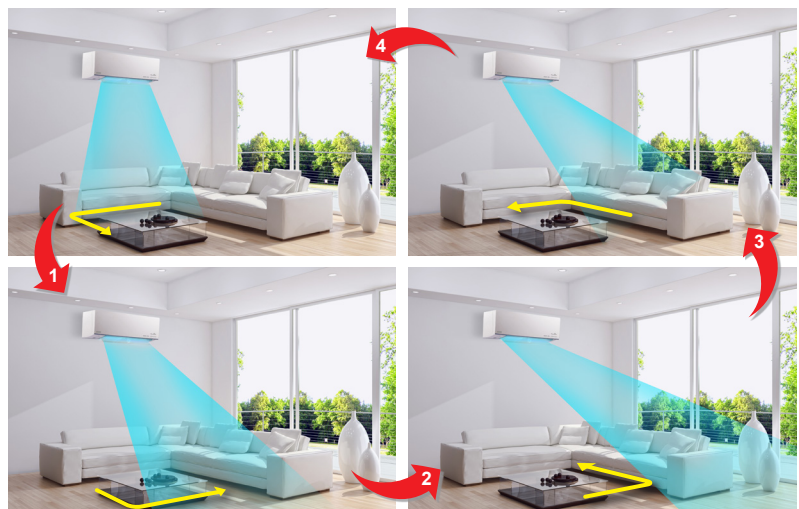
Acson has implemented step swing mechanism in AVORY PREMIUM. Users can navigate the air flow direction by choosing vertical and horizontal auto swing. 5 choices of air flow direction angle for both vertical and horizontal swing according to your preference

Vertical Swing					
Horizontal Swing					

## 3D Airflow

3D airflow circulates the cooling air to every corner of the room to ensure uniform cooling and even air distribution. By pressing 3D Draft function button, the louver will take turn to blow out the air in rectangular pattern.

Healthy environment also can be achieved when PLUSMA ion distributed together with the air flow to room surrounding.

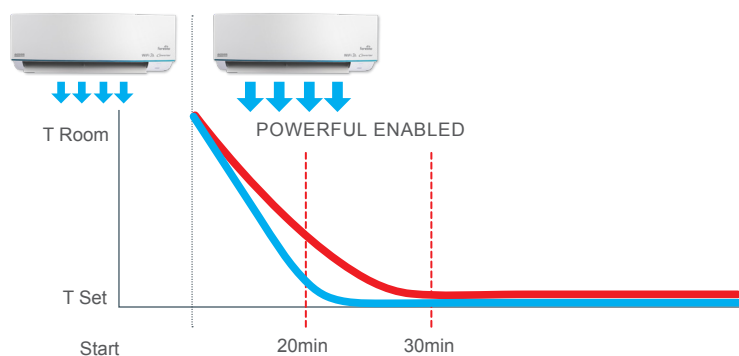






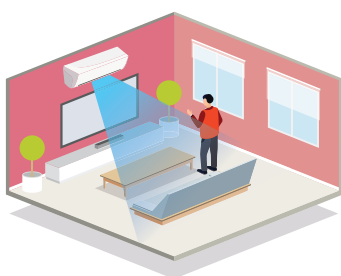
## iTurbo+

iTurbo+ will provide maximum cooling continuously for 20 minutes to the people who seek for instant cooling. Fan speed and compressor run in Turbo mode to give out maximum cooling capacity, enables the set temperature to achieve faster.



## 3D Spot Cooling

iSenz+ can assist to detect and spot the human and provide cooling to the person in the room.



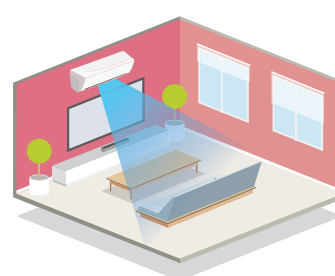
### One People

iSenz+ detect the human temperature and cooling air will flow directly to the person.



### Two & More People

iSenz+ detect and prioritize the person with higher temperature. When the first person is cooled down, iSenz+ will switch to another person with high temperature.



### No People

iSenz+ stay and blow the cool air at the last position where there is heat load previously.

\*Require activation of iTurbo+.



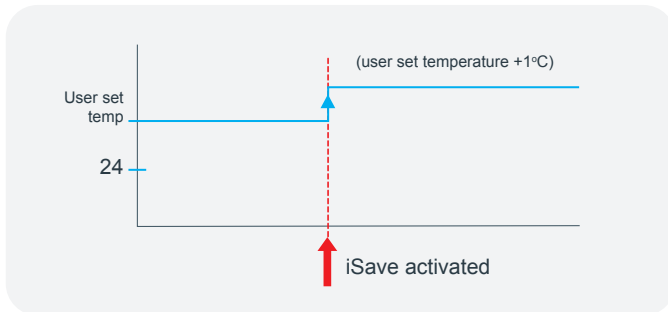
# Intelligent Save & Ultra Gold Fin



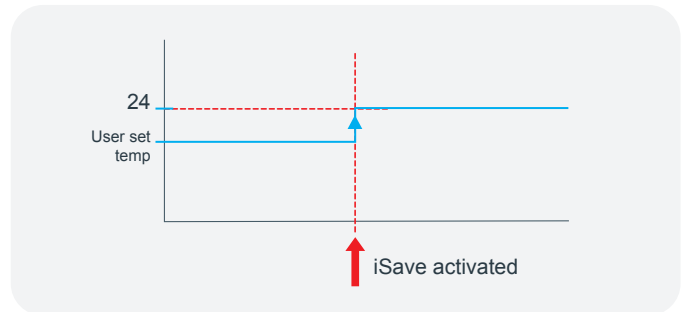
## iSave

iSave is a feature that provide intelligent comfort and energy saving control while fulfilling room comfort. Energy can be save up by limiting power input and running current. By pressing the iSave button, it adjust the set temperature automatically.

When units run at equal or above 24°C

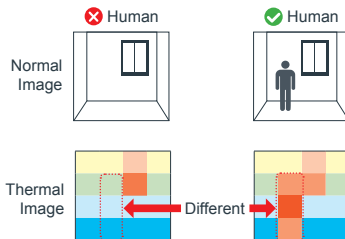


When units run at below 24°C



\*Applicable when there is human presence.

With the help of iSenz+, it can automatically switch the temperature setting based on the occupancy in the room.



Occupancy	Action
With human presence	Temperature auto set to minimum 24°C (Please refer to the above graph)
No human presence	Temperature will auto set to 27°C in one hour

\*Required activation of iSave.

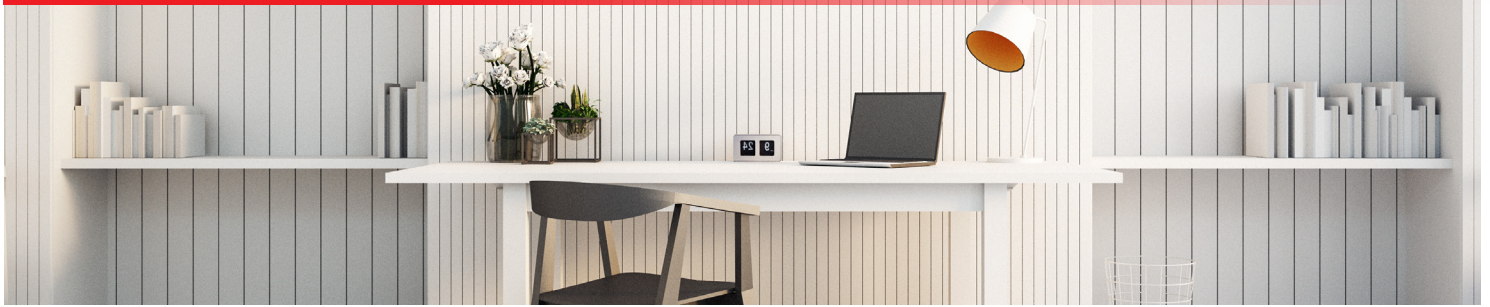
## ULTRA GOLD FIN

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

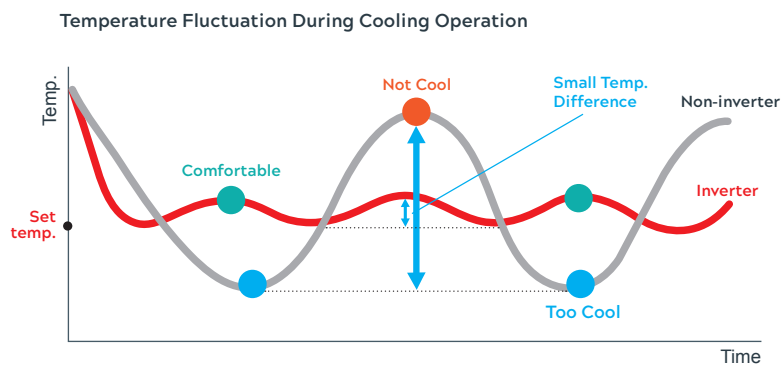




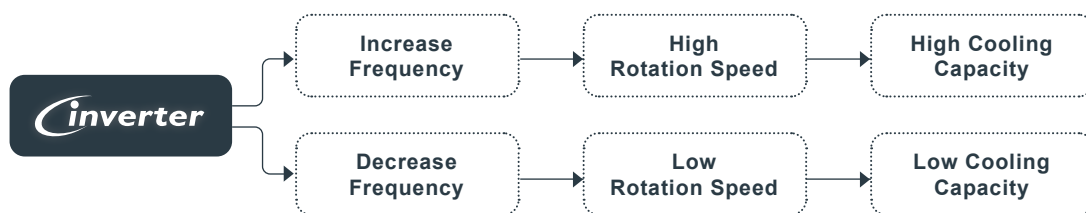


## Energy Saving

With Acson Inverter air conditioner, rotation speed of compressor is varied by adjusting the power supply frequency to maintain the set temperature and ensure the comfortability without cutting ON & OFF compressor. At the same time, the unit is allowed to be operated at low capacity most of the time which eliminate excessive electricity consumption and save energy.



Inverter can vary cooling capacity in order to maintain user setting temperature.

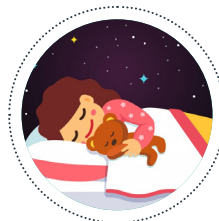


### Powerful



Acson Inverter air conditioner increases the power output to maximum capacity once it started. The burst of increased power enable it to reach the set temperature and ideal cooling comfort more quickly.

### Comfortable



Acson Inverter system adjusts the capacity smartly based on the cooling load. Temperature can remain constant by minimizing the difference between the set temperature and room temperature. This ensure the highest comfort levels for you, which is ideal for comfy bedroom.



# MY Acson, MY Control

## MY Acson, MY Control

From now on, you can control multiple air conditioner through your smartphone from anywhere and anytime. No more hassle to find your remote controller, MY Acson now offers smart functionality making your air conditioner smarter.



Acson Wifi Adapter, AWM01A01



### 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.

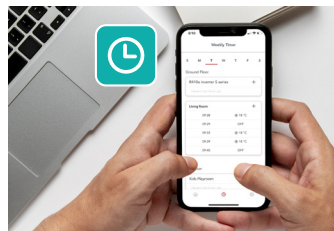


### MY Complete Control



- Setting different modes (e.g: cool, dry, fan, turbo, sleep, quiet mode)
- 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.

### MY Energy-Efficient

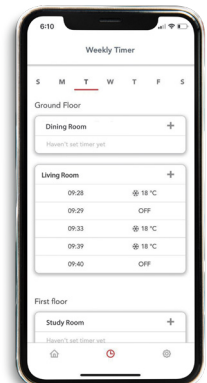
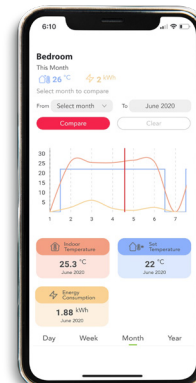
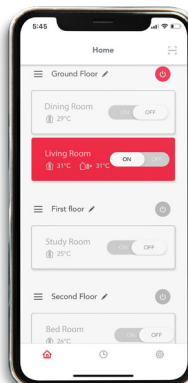


- Monitor and track energy consumption for better budget planning

\*subject to applicable model

## 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	



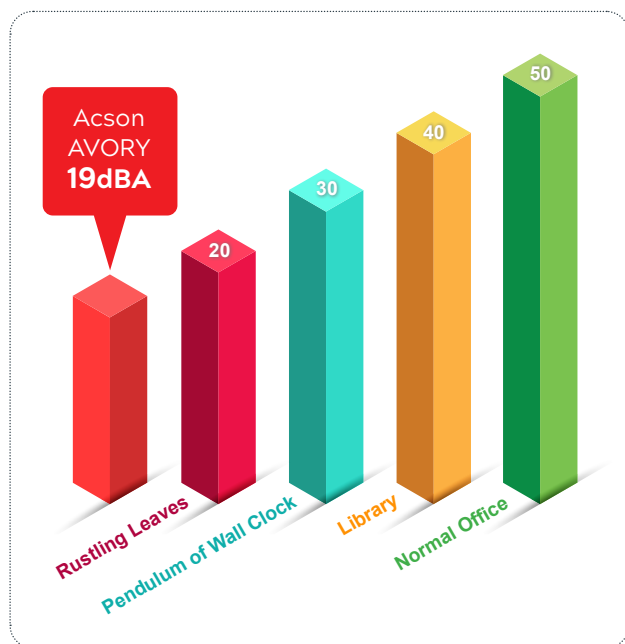
# Features

## Silent Atmosphere

(Quiet Mode)

Turn on the QUIET MODE will bring down the noise level by tuning down the compressor frequency and fan speed. The sound level can lower the sound level to unobstructive 19dBA. This function is suitable for people who prefer undisturbed environment, especially at night.

### Sound Pressure Level (dBA)



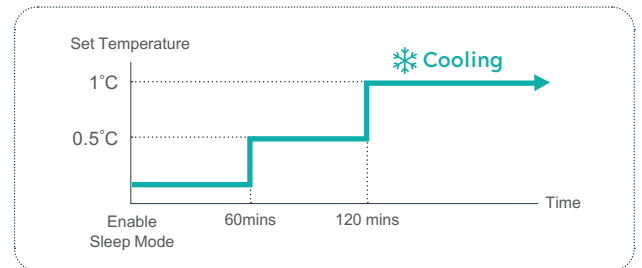
Remark: Applicable to 1.0HP unit only

## Comfort at Your Fingertip

(Sleep Mode)

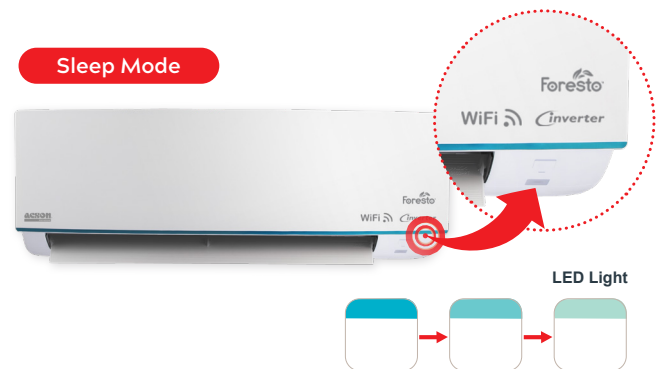
Adjust the temperature gradually using intelligent control SLEEP function to ensure a comfortable and mellow sleeping at night.

### Cooling Mode



When SLEEP function is activated, LED will auto adjust to slowly reduce display intensity and minimize the disturbance from LED light, allowing user to enjoy sleeping time.

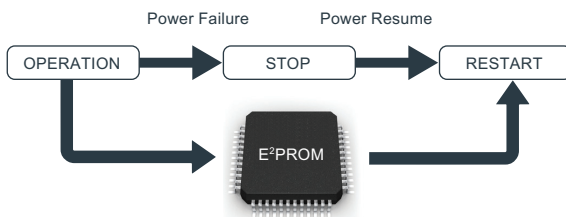
### Sleep Mode



## Double Protection

### Automatic Restart

When there is sudden power failure, the unit can restart automatically and recovering the last setting condition once the power supply is back.



### Self Diagnosis System

Errors can be detected and displayed by blinking LEDs with a series of sensors and intelligent control board.

## Peace of Mind Warranty Service

Durable and reliable quality is guaranteed by Acson product. You will be protected as our units are come with 5 years warranty for compressor and 2 years warranty for general parts.



\*1<sup>st</sup> year free labour and compressor.  
\*2<sup>nd</sup> - 5<sup>th</sup> year free compressor only.



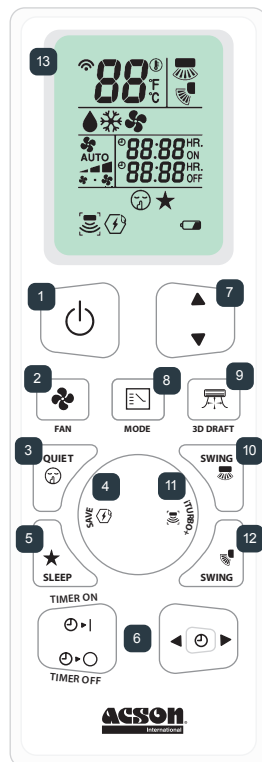
# New Remote Controller





## Remote Controller

Acson introduce whole new remote controller which has more function button to let the user to access more features. Just sit back and relax, while enjoying the comfort air from Acson Air Conditioner with a push of button of Acson new remote controller.



- 1 ON/OFF**  
The Power Button turns the unit ON or OFF. It illuminates when you need it in the dark.
- 2 Fan Speed**  
Control your air flow to Low, Medium, High or Auto to let your unit do the thinking.
- 3 Quiet**  
The unique quiet mode further increase the acoustic comfort level for serenity and tranquility.
- 4 iSave**  
Turn this on for low electricity consumption while enjoying comfort temperature.
- 5 Sleep**  
The sleep mode gradually increases the room temperature to ensure comfortable sleeping environment.
- 6 Timer**  
Turn On or Off the unit with its built in timer which repeats itself every 24 hours.
- 7 Temperature**  
Set the temperature according to your preferences.
- 8 Mode**  
Different Mode for different ambient - Cool, Dry, and Fan.
- 9 3D Draft**  
The cooling air flow in 3 dimension to cool down every corner of the room thoroughly.
- 10 Swing (Left Right)**  
Control cooling air flow in left & right direction with 5 different angles.
- 11 iTurbo+**  
Turn this on to enjoy intensive cooling for 20 minutes.
- 12 Swing (Up Down)**  
Control cooling air flow in up & down direction with 5 different angles.
- 13 New LCD Arrangement**  
LCD screen with multiple indication for easy operation.









# Specifications

## AVORY Wall Mounted Series



Model			A3WMY10APF	A3WMY15APF	A3WMY20APF	A3WMY25APF	
			A3LCY10F1	A3LCY15F1	A3LCY20F1	A3LCY25F1	
Nominal cooling capacity	BTU/h		9700 (3,700-11,600)	12100 (4,000-13,000)	19000 (6,000-21,200)	22500 (6,600-24,500)	
	kW		2.84 (1.08-3.40)	3.55 (1.17-3.81)	5.57 (1.76-6.21)	6.59 (1.93-7.18)	
Nominal Total Input Power	W		740 (260-1200)	980 (280-1250)	1590 (420-2200)	1790 (380-2300)	
Nominal Running Current	A		3.37 (1.71 - 5.47)	4.38 (1.69 - 5.59)	6.99 (2.74 - 9.67)	7.85 (2.40 - 10.09)	
EER	Btu/hr/W		13.11	12.35	11.94	12.57	
	W/W		3.84	3.62	3.50	3.68	
CSPF	Wh/Wh		5.60	5.60	5.60	6.30	
Power Supply			220-240V / 1 Ph / 50Hz				
Energy Star Rating							
Indoor unit	Control	WiFi Control	BUILT IN				
		Operation	LCD REMOTE CONTROL / WIFI CONTROL (BUILT IN)				
		Air Discharge	AUTOMATIC LOUVER (UP & DOWN / LEFT & RIGHT)				
	Airflow	Turbo	CFM	410	420	450	720
		High	CFM	380	400	430	640
		Medium	CFM	310	330	360	560
		Low	CFM	230	250	290	480
		Quiet	CFM	190	200	260	360
	Sound Pressure Level		dB(A)	38/33/26/19	39/34/26/21	42/38/32/30	43/41/36/30
	Unit Dimension	Height	mm(in)	288 (11.34)			297 (11.69)
		Width	mm(in)	785 (30.91)			1005 (39.57)
		Depth	mm(in)	250 (9.84)			288 (11.34)
	Packaging Dimension	Height	mm(in)	327 (12.87)			371 (14.61)
		Width	mm(in)	830 (32.68)			1073 (42.24)
Depth		mm(in)	363 (14.29)			375 (14.76)	
Unit Weight		kg(lb)	9 (19.84)		9.5 (20.94)	13 (28.66)	
Airflow	CFM		930	840	1310	1310	
Sound Pressure Level		dB(A)	45	46	49	52	
Outdoor unit	Unit Dimension	Height	mm(in)	550 (21.65)		615 (24.21)	
		Width	mm(in)	658 (25.91)		845 (33.27)	
		Depth	mm(in)	273 (10.75)		300 (11.81)	
	Packaging Dimension	Height	mm(in)	610 (24.02)		679 (26.73)	
		Width	mm(in)	781 (30.75)		992 (39.06)	
		Depth	mm(in)	363 (14.29)		414 (16.30)	
Unit Weight		kg(lb)	24 (52.91)	26 (57.32)	37 (81.57)		
Fin Spec			HYDROPHILIC GOLD FIN				
Piping Connection	Gas	mm (in)	9.50 (3/8)		12.70 (1/2)		
	Liquid	mm (in)	6.40 (1/4)				
Refrigerant Type			R32				

\*MEPS = Minimum Energy Performance Standard  
CSPF = Cooling Seasonal Performance Factor

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





**ACSON MALAYSIA SALES & SERVICE SDN.BHD.**  
*a member of DAIKIN group*

Business Registration NO.198401017130 (129688-D)

Lot 4, Lorong 19/1A, Seksyen 19, 46300 Petaling Jaya,  
Selangor Darul Ehsan, MALAYSIA.

Tel : +603 7964 8200 Sales Fax : +603 7956 9909

Service Fax : +603 7956 9907 Acson Careline : 1300 22 3344

Penang	: +604-5377 176	Pahang	: +609-5178 696
Perak	: +605-3129 828	Kelantan	: +609-7405 233
Melaka	: +606-2926 196	Sarawak	: +6082-344 128
Johor	: +607-3551 599	Sabah	: +6088-420 205

[www.acson.com.my](http://www.acson.com.my)

Authorized Dealer :

Products manufactured in an ISO certified facility.  
This document contains the most current product information as of this printing.  
For the most up-to-date product information, please logon to [www.acson.com.my](http://www.acson.com.my)

CAT-A3WMYAPF-2102