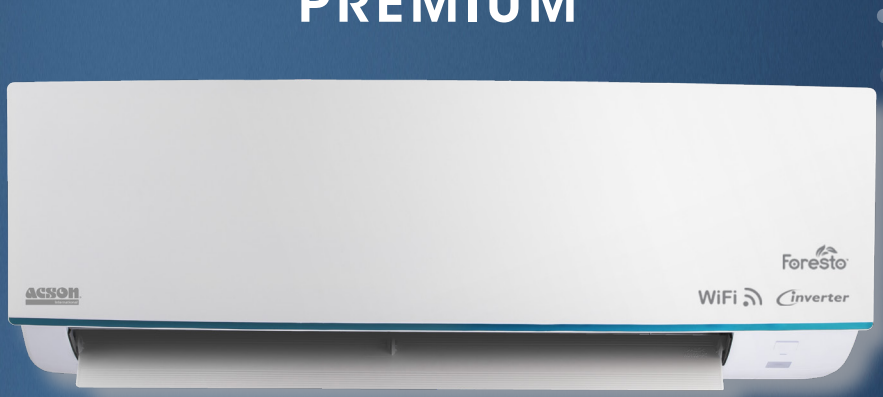
AVORY

PREMIUM



ACSON 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

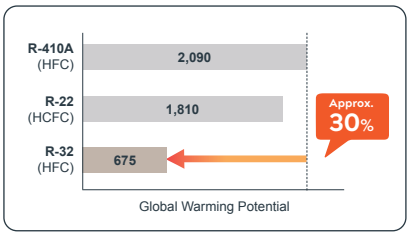
Acson PLUSMA utilizes cold plasma technology where massive positive and negative ions are produced. PLUSMA will deodorize, sterilize and purify air to give a fresher, healthier and more refreshing environment for better health and sustainability lifestyle. A PLUS for your health.

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+

iSenz+

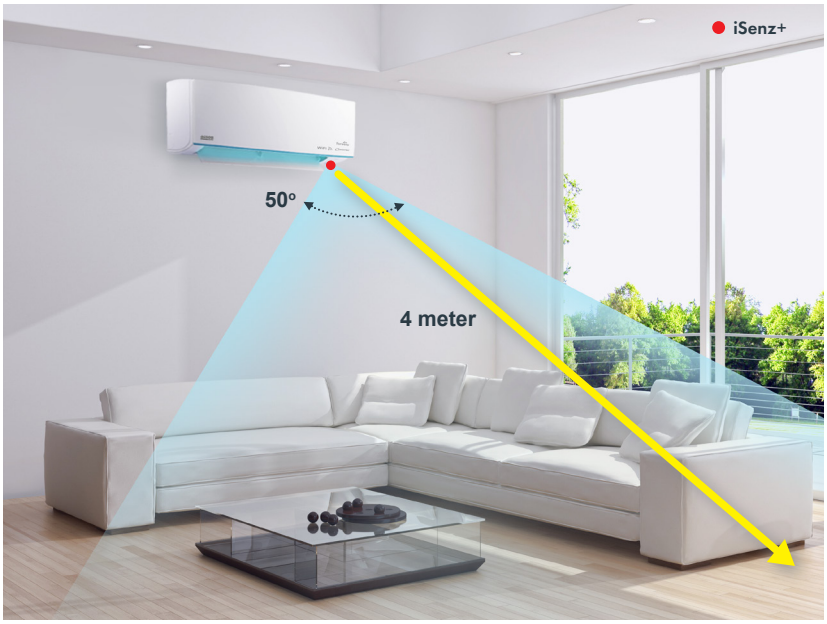
AVORY PREMIUM is equipped with iSenz+ which able to detect and know the human presence by using thermal image. No matter you are walking or sleeping, it also can track your position, providing the cool air to you.

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

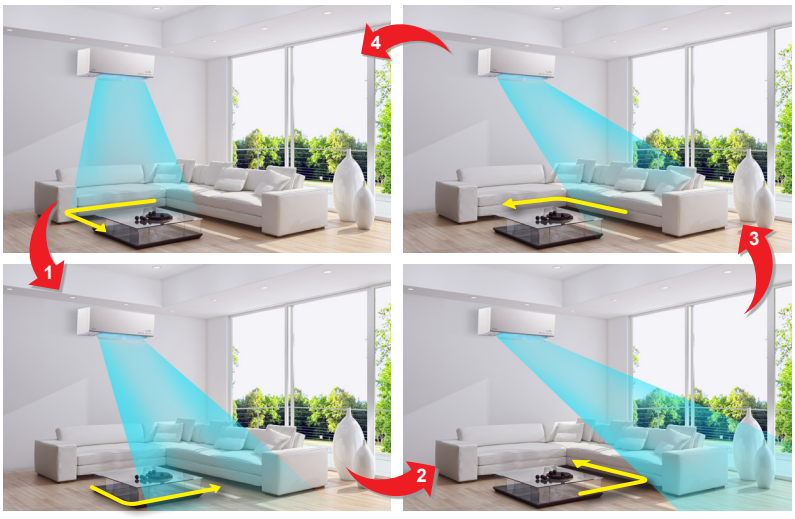
Acson has implement step swing mechanism in AVORY PREMIUM. Users can navigate the air flow direction by choosing vertical and horizontal auto swing. 5 choices of air flow direction angle for both vertical and horizontal swing according to your preference

Vertical Swing					
Horizontal Swing					

3D Airflow

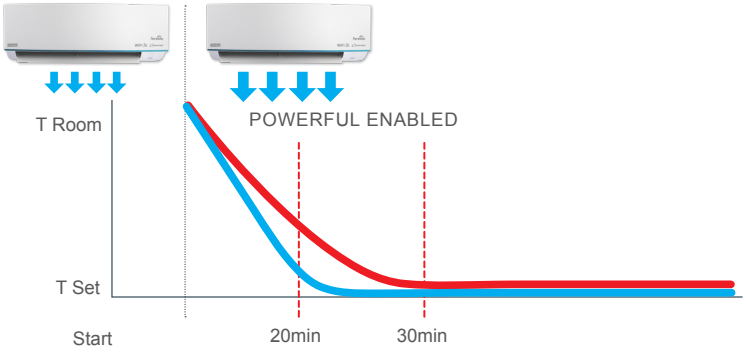
3D airflow circulates the cooling air to every corner of the room to ensure uniform cooling and even air distribution. By pressing 3D Draft function button, the louver will take turn to blow out the air in rectangular pattern.

Healthy environment also can be achieve 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

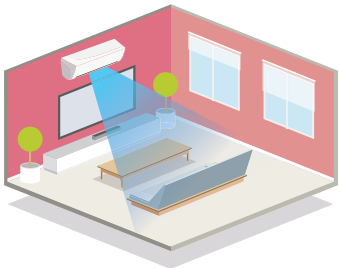
iSenz+ can assist to detect and spot the human and provide cooling to the person in the room.

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.

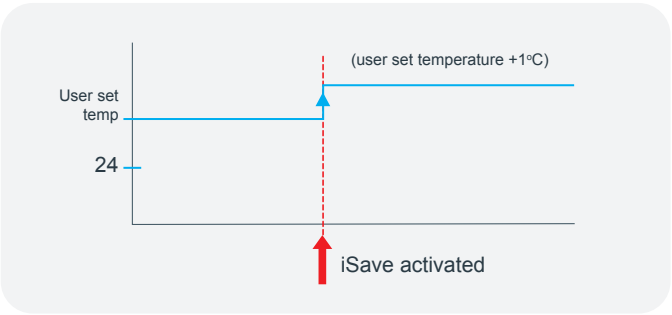
*Require activation of iTurbo+.

Intelligent Save & Ultra Gold Fin

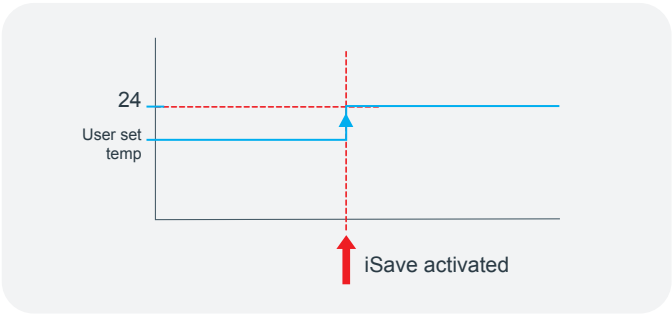
iSave

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

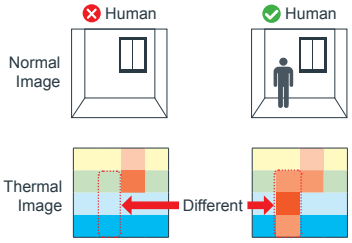


When units run at below 24°C



*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.

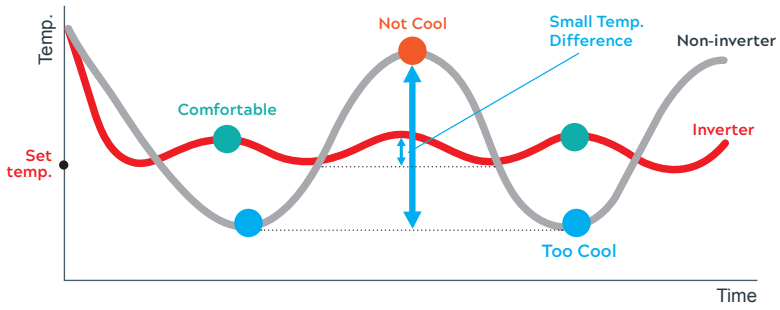
**Applicable to inverter model only*

inverter Technology

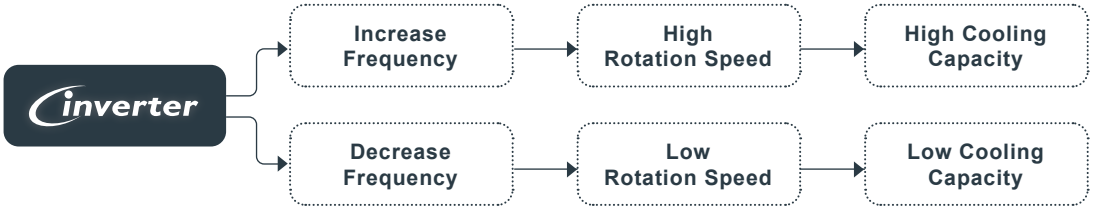
Energy Saving

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.

Temperature Fluctuation During Cooling Operation



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

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 ACSON

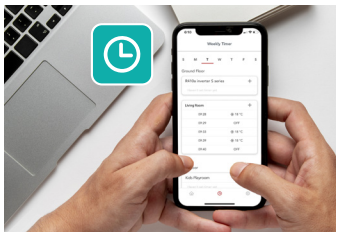
Download on the App Store

ANDROID APP ON Google play

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.

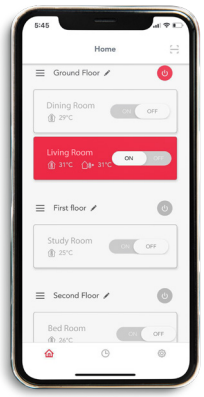
MY Energy-Efficient

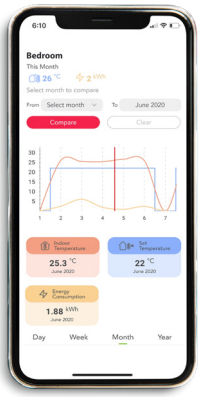
- Monitor and track energy consumption for better budget planning

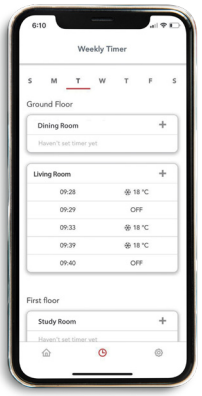
*subjet to applicable model

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





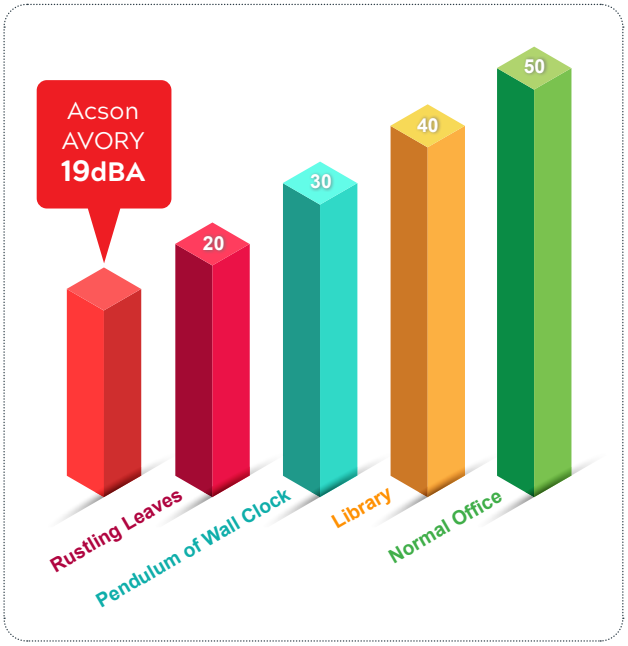


Features

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)

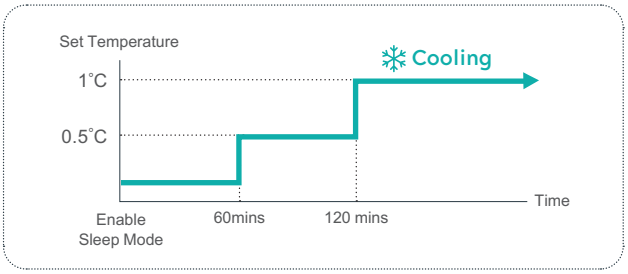


Remark: Applicable to 1.0HP unit only

Comfort at Your Fingertip
(Sleep Mode)

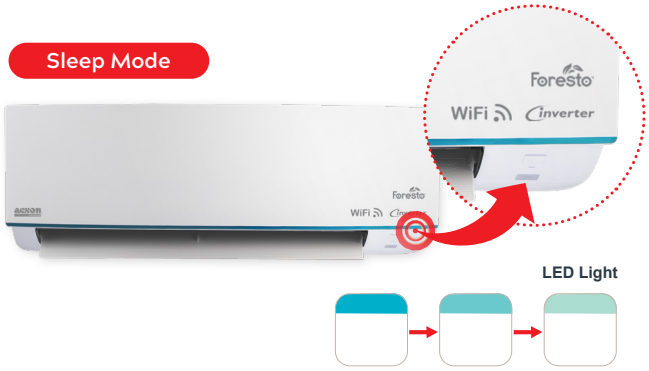
Adjust the temperature gradually using intelligent control SLEEP function to ensure a comfortable and mellow sleeping at night.

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.

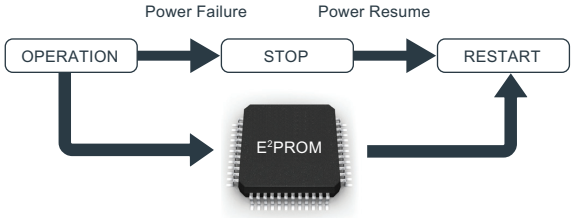
Sleep Mode



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

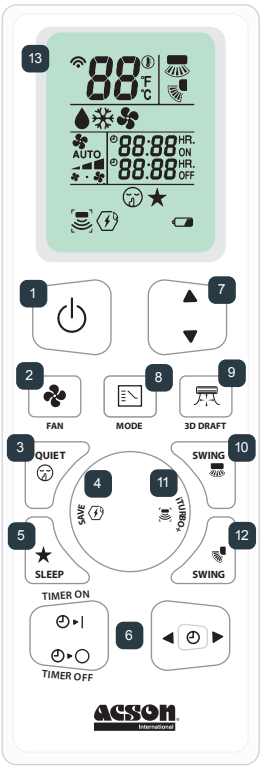
Durable and reliable quality is guaranteed by Acson product. You will be protected as our units are come with 5 years warranty for compressor and 2 years warranty for general parts.

**1st year free labour and compressor.*
**2nd - 5th 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.

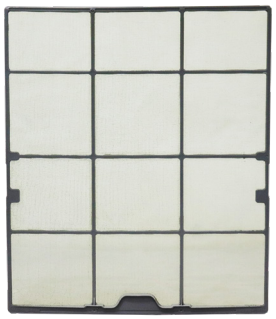
10 **Swing (Left Right)**
Control cooling air flow in left & right direction with 5 different angles.

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.

Filtronz+ Filter



Filtronz+ Filter

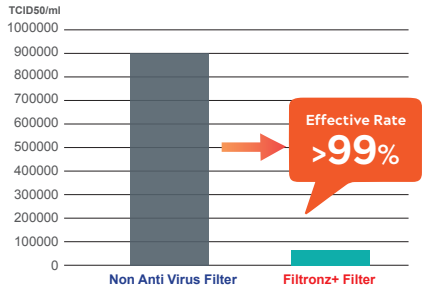
FILTRONZ+ ANTI VIRUS TECHNOLOGY

Filtronz+ Filter effectively decompose virus and reduce bacteria & fungus on the air filter surface.

- Provide better Indoor Air Quality (IAQ) for healthier life
- Non-toxic, non-hazardous & can be recycled
- No harm & skin friendly
- Easy for cleaning & installation

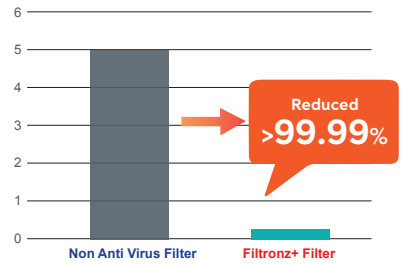
Decomposition of Viruses

The effectiveness rate of virus decomposition is increased by 99% in 2 hours



Reduction of Bacteria

The effectiveness rate of bacteria reduction is more than 99.99% in 24 hours



Reduction of Fungus

Generation of fungus achieved Grade 0 in 24 hours (No fungus visible under the microscope)

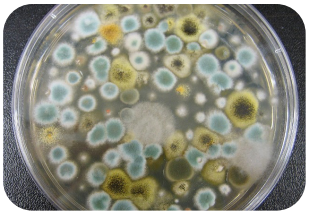
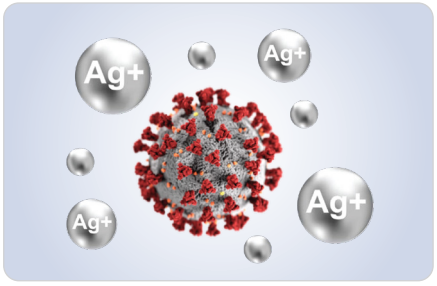


**Image is for illustration purposes*

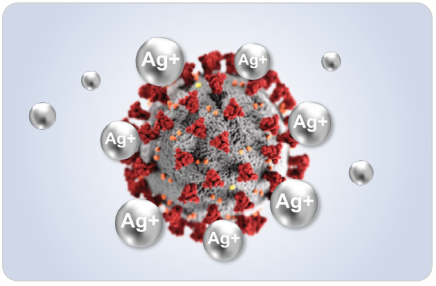
How Filtronz+ Filter works?

Step 1



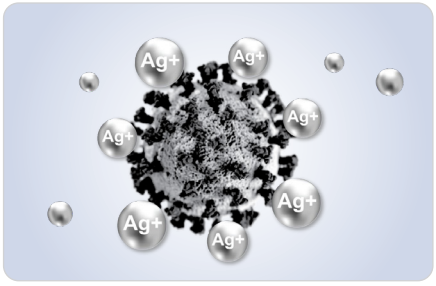
Silver ions (AG+) on the filter absorb virus to the filter surface

Step 2

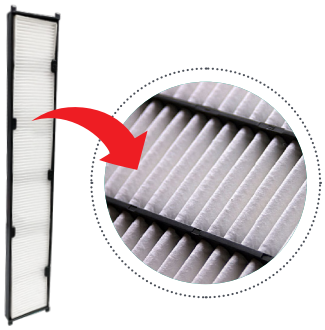


Combination of organic and inorganic components simultaneously react to change the protein that exists on the virus surface

Step 3



Enzyme protein inactivated, thus the viruses are decomposed and prevented from spread



HEPA Filter

Those fine particles with diameter less than 2.5 microcmeters are able to deeply inhale and reaching the lung, causing coughing and asthma. With the incorporated HEPA filter, it will capture particulate matter (PM2.5), bacteria, pollen etc, improving the air quality and cleanliness.

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		dBA	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)
Outdoor unit	Airflow		CFM	930	840	1310	1310
	Sound Pressure Level		dBA	45	46	49	52
	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

1. All specifications are subject to change by the manufacturer without prior notice.
2. Nominal 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 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.

ACSON®
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