

# AVO

WALL MOUNTED



**MyECO**  
R32

**ACSON**  
International  
Air Conditioners

# AVO

## WALL MOUNTED



### INVERTER SERIES

**Model:** A3WMY 10/15/20/25NF  
**Cooling Capacity:** 9,000 - 22,500 BTU/h  
**Power Input:** 0.76 - 1.84kW

### NON-INVERTER SERIES

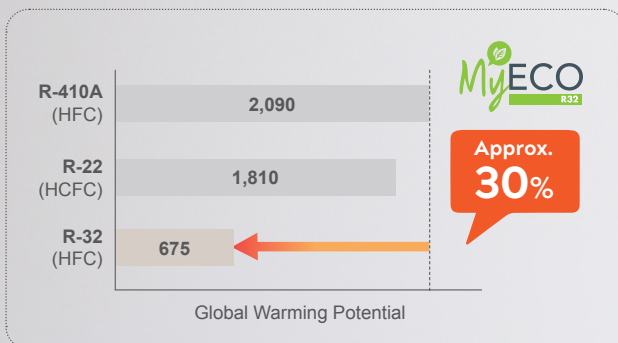
**Model:** A3WM 10/15/20/25N  
**Cooling Capacity:** 8,800 - 22,500 BTU/h  
**Power Input:** 0.84 - 2.13 kW



## R32 Refrigerant

### Greenery Refrigerant

Acson MyEco Series offers eco-friendly products which lead to a more sustainable future. Products labelled with MyEco are more sustainable and environmental friendly




R32 is outstanding for their environment friendly properties as It does not contribute to ozone depletion and preserve global climate changes. The R32 refrigerant has zero Ozone Depletion Potential (ODP) and reduction of the global warming potential up to 30% when compared with R410A & R22.

- Better Environmental properties
- Better performance
- Economic efficiency

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



# Line Up & Features

Horse Power (HP)		1.0	1.5	2.0	2.5	
R32	Inverter	Indoor Unit				
		A3WMY10NF	A3WMY 15NF	A3WMY 20NF	A3WMY 25NF	
						
		Outdoor Unit				
		A3LCY 10F	A3LCY 15F	A3LCY 20C	A3LCY 25C	
						
	Non-inverter	Indoor Unit				
		A3WM 10N	A3WM 10N	A3WM 15N	A3WM 20N	A3WM 25N
						
		Outdoor Unit				
A3LC 10FN	A3LC 10F	A3LC 15F	A3LC 20FN	A3LC 25FN		
						



MyHijau Mark is Malaysia's official green recognition scheme endorsed by the Government of Malaysia.

\*Applicable for model A3WMY20/25NF

## Features

### Fast Cooling Turbo Mode

Turbo mode will allow the fan to operate at maximum speed. The extra airflow rapidly provide extra cooling effect. In 20 minutes, your room will cool 33% faster than normal operating.

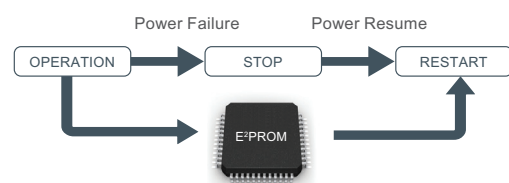
### Long & Wide Air-flow

The cooling air can spread evenly to cover large area of the room. Your satisfaction is further increased when the reach of air is up to 6 meters from the unit.

### 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

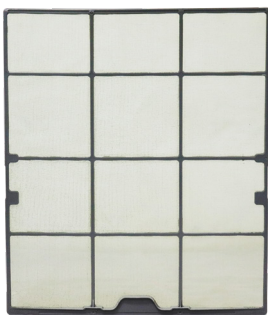
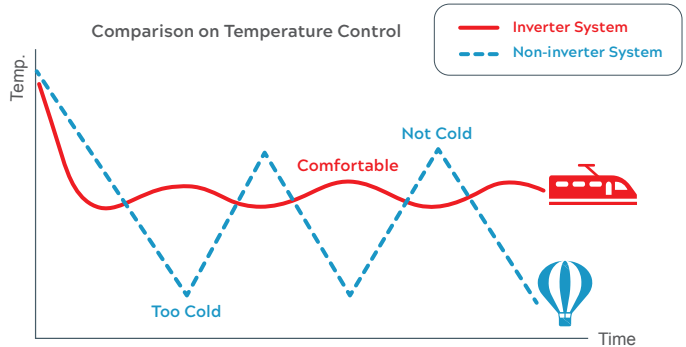
Errors can be detected and displayed by blinking LEDs with a series of sensors and intelligent control board to inform user the detected malfunctions.

# Inverter Technology & Filtronz+ Filter



Inverter is able to electronically control the electrical voltage, current and frequency by receiving information from sensors.

It can regulate the compressor revolution speed and adjust the air conditioning output, resulting in minimization of temperature fluctuation.



## Filtronz+ Filter



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

Provide better Indoor Air Quality (IAQ) for healthier life

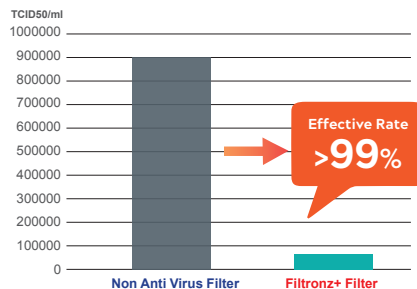
Non-toxic, non-hazardous & can be recycled

No harm & skin friendly

Easy for cleaning & installation

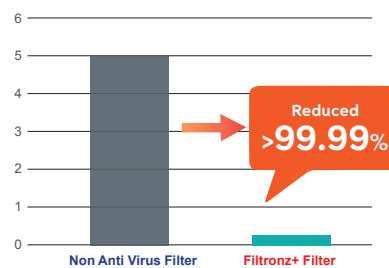
### Decomposition of Viruses

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



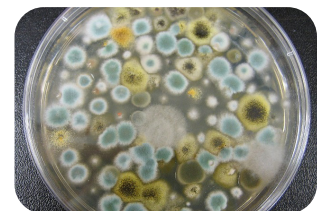
### Reduction of Bacteria

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



### Reduction of Fungus

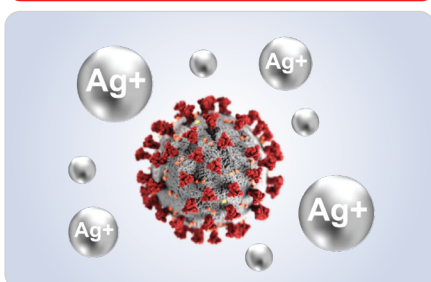
Generation of fungus achieved Grade 0 in 24 hours (No fungus visible under the microscope)



\*Image is for illustration purposes

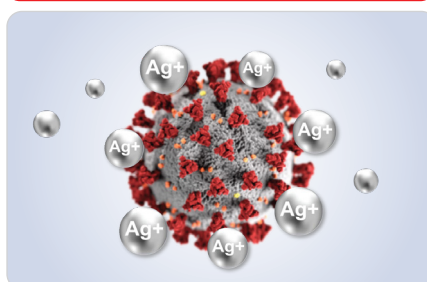
## How Filtronz+ Filter works?

### Step 1



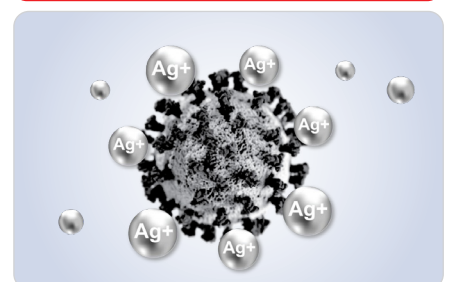
Silver ions (AG+) on the filter absorb virus to the filter surface

### 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

# MY Acson & Ultra Gold Fin

## MY Acson, MY Control

Optional for non inverter, Built In WiFi for inverter

Specification		
Dimension	H x W x D (mm)	32 x 50 x 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

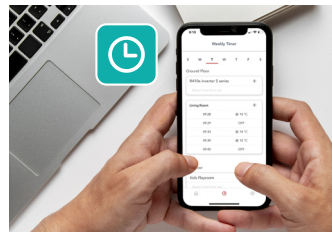


### MY Complete Control



- 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

## 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



# Specifications

## A3WM Non Inverter AVO (R32)



Model	Indoor		A3WM 10N	A3WM 10N	A3WM 15N	A3WM 20N	A3WM 25N	
	Outdoor		A3LC 10FN	A3LC 10F	A3LC 15F	A3LC 20FN	A3LC 25FN	
Nominal Cooling Capacity	BTU/h		8800	9500	12000	18000	22500	
	kW		2.58	2.78	3.52	5.28	6.59	
Nominal Total Input Power	W		835	865	1135	1660	2130	
Nominal Running Current	A		3.68	3.86	5.03	7.38	9.52	
CSPF	Wh/Wh		3.28	3.42	3.29	3.37	3.28	
Power Supply	V/Ph/Hz		220-240V / 1 / 50					
MEPS Star								
Indoor Unit	Control	WiFi Control		OPTIONAL				
		Operation		LCD REMOTE CONTROL / WIFI CONTROL (OPTIONAL)				
		Air Discharge		AUTOMATIC LOUVER (UP & DOWN)				
	Air Flow	Turbo	l/s (CFM)	169 (358)		176 (372)	303 (641)	
		High	l/s (CFM)	161 (342)		168 (355)	290 (614)	
		Medium	l/s (CFM)	133 (282)		140 (298)	267 (567)	
		Low	l/s (CFM)	106 (225)		114 (242)	244 (516)	
		Quiet	l/s (CFM)	99 (209)		106 (225)	224 (474)	
	Sound Pressure Level (SPL)		dBA	39/37/33/27/25		40/39/35/29/28	48/46/43/39/37	
	Unit Dimension	Height	mm (in)	288 (11.34)			310 (12.20)	
		Width	mm (in)	800 (31.49)			1065 (41.93)	
		Depth	mm (in)	204 (8.03)			224 (8.80)	
	Packaging Dimension	Height	mm (in)	344 (13.54)			386 (15.20)	
		Width	mm (in)	874 (34.40)			1136 (44.72)	
		Depth	mm (in)	274 (10.78)			314 (12.36)	
Unit Weight		kg (lb)	9 (19.84)			14 (30.86)		
Condensate Drain Size		mm (in)	19.05 (0.75)					
Air Flow		l/s (CFM)	304 (644)	438 (927)	390 (827)	727 (1540)	661(1400)	
Sound Pressure Level (SPL)		dBA	46		48	52		
Unit Dimension	Height	mm (in)	485 (19.10)	550 (21.65)		615 (24.21)		
	Width	mm (in)	566 (22.29)	658 (26.00)		845 (33.27)		
	Depth	mm (in)	256 (10.08)	273 (10.75)		300 (11.81)		
Packaging Dimension	Height	mm (in)	532 (20.94)	610 (24.02)		679 (26.73)		
	Width	mm (in)	668 (26.30)	781 (30.75)		992 (39.06)		
	Depth	mm (in)	366 (14.40)	363 (14.29)		414 (16.30)		
Unit Weight		kg (lb)	21 (46.30)	25 (55.12)	28 (61.73)	40 (88.18)	46 (101.41)	
Fin Spec		BARE ALUMINIUM FIN OR HYDROPHILIC GOLD FIN						
Pipe Connection	Type		FLARE VALVE					
	Liquid	mm (in)	6.35 (1/4)					
	Gas	mm (in)	9.52 (3/8)			12.70 (1/2)		
Maximum Piping Length		m	20	25		30		
Maximum Piping Height		m	12	15				
Refrigerant Type		R32						

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

- 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 & compiled to international standards such as ISO 5151.



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

# Specifications

## A3WMY Inverter AVO (R32)



Model			Indoor	A3WMY 10NF	A3WMY 15NF	A3WMY 20NF	A3WMY 25NF
			Outdoor	A3LCY 10F	A3LCY 15F	A3LCY 20C	A3LCY 25C
Nominal Cooling Capacity			BTU/h	9000 (4400-9500)	12300 (4400-13000)	19000 (4700-21200)	22500 (5800-23500)
			kW	2.64 (1.29-2.78)	3.60 (1.29-3.81)	5.57 (1.40-6.21)	6.59 (1.75-6.89)
Nominal Total Input Power			W	860 (285-1060)	1200 (285-1275)	1475 (290-1850)	1840 (380-2000)
Nominal Running Current			A	3.93 (1.78-4.81)	5.37 (1.78-5.75)	6.54 (1.45-8.17)	8.16 (1.91-8.88)
CSPF			Wh/Wh	4.70	5.00	5.55	5.84
Power Supply			V/Ph/Hz	220-240V / 1 / 50			
MEPS Star							
Indoor Unit	Control	Wifi Control	BUILT IN				
		Operation	LCD REMOTE CONTROL / WIFI CONTROL (BUILT IN)				
		Air Discharge	AUTOMATIC LOUVER (UP & DOWN)				
	Air Flow	Turbo	I/s (CFM)	178 (378)	185 (392)	273 (578)	332 (703)
		High	I/s (CFM)	163 (345)	169 (358)	250 (529)	309 (654)
		Medium	I/s (CFM)	128 (272)	133 (282)	222 (471)	276 (585)
		Low	I/s (CFM)	101 (215)	109 (232)	197 (418)	239 (507)
		Quiet	I/s (CFM)	78 (165)	78 (165)	177 (374)	206 (437)
	Sound Pressure Level (SPL)		dBA	41/40/34/29/21	42/41/34/30/22	44/40/38/35/32	46/43/41/37/33
	Unit Dimension	Height	mm (in)	288 (11.34)		310 (12.20)	
		Width	mm (in)	800 (31.49)		1065 (41.93)	
		Depth	mm (in)	204 (8.03)		224 (8.80)	
	Packaging Dimension	Height	mm (in)	344 (13.54)		386 (15.20)	
		Width	mm (in)	874 (34.40)		1136 (44.72)	
		Depth	mm (in)	274 (10.78)		314 (12.36)	
Unit Weight		kg (lb)	9 (19.84)		14 (30.86)		
Condensate Drain Size		mm (in)	19.05 (0.75)				
Outdoor Unit	Air Flow		I/s (CFM)	437 (927)	798 (1690)	848 (1796)	
	Sound Pressure Level (SPL)		dBA	48	49	51	
	Unit Dimension	Height	mm (in)	550 (21.65)		651 (25.63)	753 (29.65)
		Width	mm (in)	658 (25.91)		855 (33.66)	
		Depth	mm (in)	273 (10.75)		328 (12.91)	
	Packaging Dimension	Height	mm (in)	580 (22.83)		693 (27.28)	793 (31.22)
		Width	mm (in)	775 (30.51)		990 (38.98)	
		Depth	mm (in)	355 (13.98)		415 (16.34)	
	Unit Weight		kg (lb)	23 (50.71)		41 (90.39)	44 (97.00)
	Fin Spec		HYDROPHILIC GOLD FIN				
	Pipe Connection	Type		FLARE VALVE			
		Liquid	mm (in)	6.35 (1/4)			
Gas		mm (in)	9.52 (3/8)		12.70 (1/2)		
Maximum Piping Length		m	20		30		
Maximum Piping Height		m	15		20		
Refrigerant Type			R32				

CSPF = Cooling Seasonal Performance Factor  
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\*1<sup>st</sup> year free labour and compressor.  
\*2<sup>nd</sup> - 5<sup>th</sup> year free compressor only.



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