

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

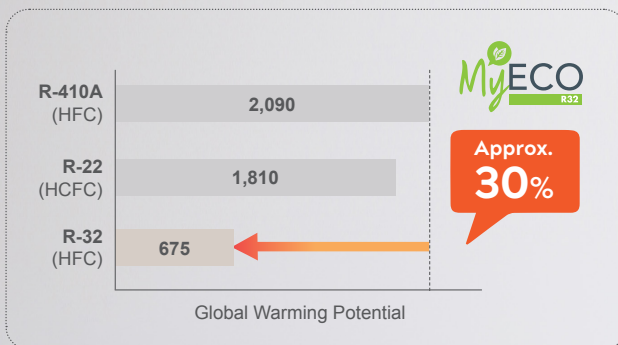
Model: A3WM 10/15/20/25N
Cooling Capacity: 8,800 - 22,500 BTU/h
Power Input: 0.84 - 2.13 kW



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 10N1	A3WM 15N	A3WM 20N	A3WM 25N
						
		Outdoor Unit				
A3LC 10FN		A3WM 10F1	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.

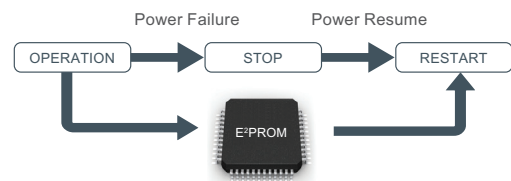
Long & Wide Air-flow

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

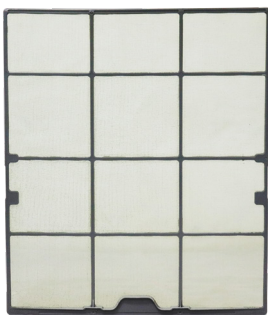
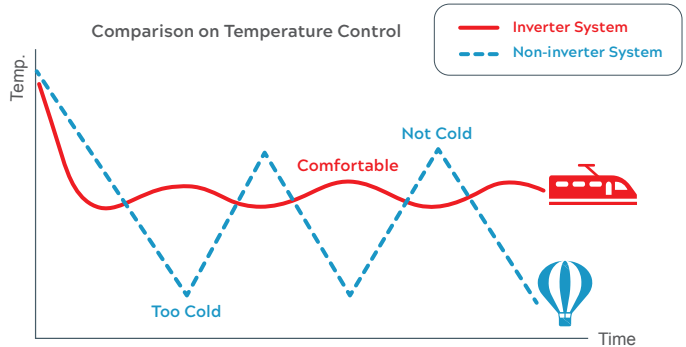
Errors can be detected and displayed by blinking LEDs with a series of sensors and intelligent control board to inform user the detected malfunctions.

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

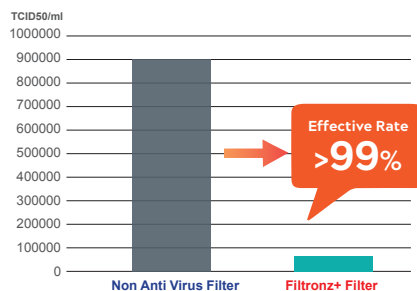
Non-toxic, non-hazardous & can be recycled

No harm & skin friendly

Easy for cleaning & installation

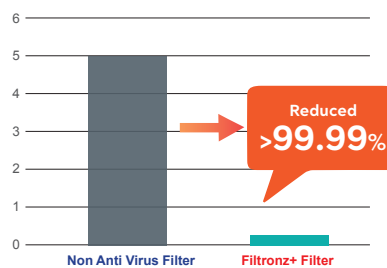
Decomposition of Viruses

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



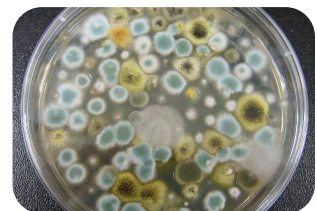
Reduction of Bacteria

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



Reduction of Fungus

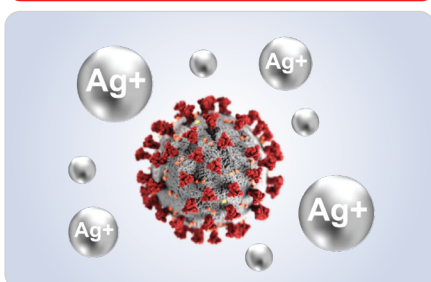
Generation of fungus achieved Grade 0 in 24 hours (No fungus visible under the microscope)



*Image is for illustration purposes

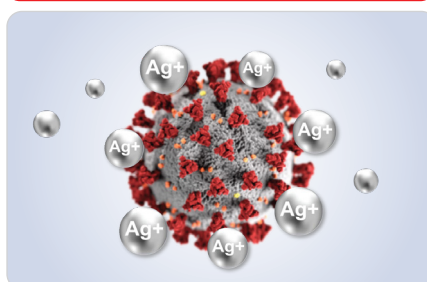
How Filtronz+ Filter works?

Step 1



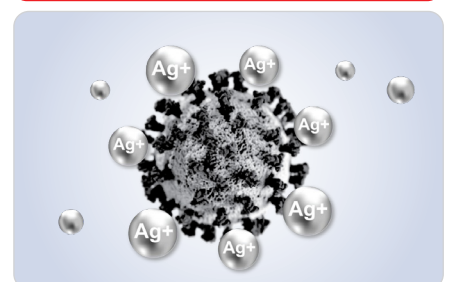
Silver ions (AG+) on the filter absorb virus to the filter surface

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

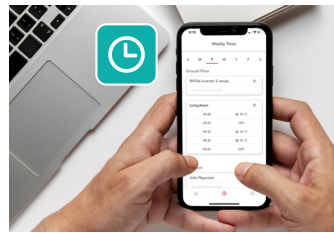


MY Complete Control



- 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.



Specifications

A3WM Non Inverter AVO (R32)



Model	Indoor		A3WM 10N	A3WM 10N1	A3WM 15N	A3WM 20N	A3WM 25N	
	Outdoor		A3LC 10FN	A3WM 10F1	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	1040	1660	2130	
Nominal Running Current	A		3.68	3.86	4.61	7.38	9.52	
CSPF	Wh/Wh		3.28	3.42	3.59	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)	350 (13.78)			386 (15.20)	
		Width	mm (in)	874 (34.40)			1136 (44.72)	
		Depth	mm (in)	279 (10.98)			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)	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.



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

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