"product design award" 2012

GOOD DESIGN

"Dealer Design Awards" of "the NEWS"

Gold Award (Category: HVAC & PLUMBING) in Reader's Choice Awards

Coolworld Industry Awards "Most Efficient Air Conditioner"

CANSTAR

China State Construction Engineering Luban Prize

reddot design award winner 2012

Intertek

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

ISO 9001 Certified number : 01 100 89394 ISO 14001 Certified number : 01 104 9245101

ISO 9001 Certified number : 01 100 79269 ISO 14001 Certified number : 272043
Fujitsu General (Shanghai) Co., Ltd.

ISO 9001 Certified number : 00608Q11061R2M ISO 14001 Certified number : 00609E20454R2M
Fujitsu General Central Air-conditioner (Wuxi) Co., Ltd.

FUJITSU GENERAL LIMITED

1116, Suenaga, Takatsu-ku, Kawasaki 213-8502, Japan

FUJITSU GENERAL (INDIA) PRIVATE LIMITED

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web: www.fujitsu-general.com/g-in | e-mail: info@fujitsu-general.com | CIN - U31100TN2018FTC126102.

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General Air Conditioner Customer App — Download on the App Store — GET IT ON Google Play

We have not authorised any e-commerce website to sell our products.

To dispose e-waste through an authorized recycler call us at 1860 2081 007.

101917 - March 2020

TROPICAL COOLING REDEFINED

2020

Extreme Cooling | Extreme Airflow | Extreme Voltages
Extreme Efficiency | Extreme Durability

BUILT TO LAST LONGER

GENERAL AIR CONDITIONERS
The Extreme Machine

Presenting tropically designed air-conditioners that cool under extreme temperatures. Even at 55°C.

Not just that, they cool even at extremely low and high voltages, and yes, they are built to last longer.

JOURNEY SO FAR
Since 1936

1936
Established as Yaou Shouten Ltd.

1960
Start of air conditioning business Japan-domestic business

1971
Air conditioner exports to Middle East

1977
"Super Power, Super Quiet" series introduced

1985
Large wall mounted and multi-air conditioner introduced AL / AX series

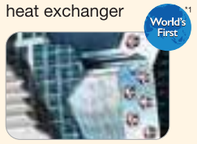
2000
India operations: ETA General Pvt. Ltd. (A joint venture between ETA & FUJITSU)

2001
AIRSTAGE VRF air conditioners

2003
nocria*3

1991
Air conditioner manufacturing company in Thailand

1991
Air conditioner with the world's first Lambda heat exchanger*1



Lambda heat exchanger

2006
VRF air conditioner manufacturing, sales and service company in China

2007
Air conditioner technology building completed on main office group

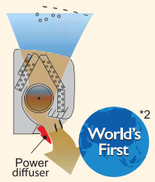
2009

AIRSTAGE V-II
VRF combination type

WATERSTAGE
Air to water system

2009
Operation of compressor factory begins in Thailand

1994
Air conditioner with the world's first power diffuser



1994
Air conditioner manufacturing company in Shanghai, China

1998
Air conditioner motor manufacturing company in Thailand

2011
Hi-spec Design Model

2012
AIRSTAGE J-IIS
Small VRF series

2012
AIRSTAGE VR-II
VRF heat recovery type

2014

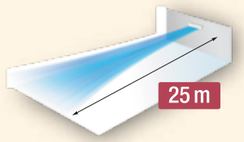
Eco-friendly, tropically-designed High-EER split air conditioner

2015

Introduction of Inverter Multi Systems with lowest power consumption of 0.614 KW/TR

2016
Tropical Innovation Series

25m Long-reach Airflow



2018
Stylish & Compact Wall Mounted Tropical Inverter model with Human Sensor

Flagship Wall Mounted models

2019
Introduction of Tropical Inverter Series

2020
Fujitsu General (India) Pvt. Ltd., direct entry into India.

Introduction of Tropical Inverter Series with CPTA Technology

High Quality Development & Production Environment

JAPAN Head Office
R&D Center

Fujitsu General (Shanghai) Co. Ltd.

F.G.L.S. Electric Co. Ltd

Overseas Air Conditioning Business since1971

*1..Announced 1991. In room air conditioner for the home (our company's investigation)
*2..Announced 1994. In room air conditioner for the home (our company's investigation)
*3..Announced 2002. In room air conditioner for the home (our company's investigation)

Fujitsu General Central Air Conditioner (Wuxi) Co. Ltd.

Fujitsu General (Thailand) Co. Ltd.

New Engineering and R&D Centre in Thailand

Fujitsu General Solution Centre "THE AIRSTAGE"

CREATION OF COMFORT

Fujitsu General creates high-quality and environment-friendly products that provide good comfort in accordance with our vision to 'Create a comfortable Environment' by utilizing air conditioning technology and creativity we have fostered over many years.

High Quality Development and Production Environment

The Headquarter & R&D Centre is equipped with a wide range of testing equipment envisioning a variety of operating conditions. This includes a testing tower with a 60m height difference for buildings. We provide high quality and reliable products that meet the customer's needs from all over the world through 5 advanced R&D centres and 6 production companies.

R&D Center and 60m Height Difference Testing Tower

Advanced Research Facility and Equipment

Performance Testing

Air Volume Measurement Room

Measure air volumes of the air conditioners from compact RAC models to VRF.

Calorimeter

Measure the cooling/heating capacity by measuring the inlet and outlet temperatures, humidity, and air volume of the air conditioner.

Silent Room

Measure the operating sounds of air conditioners with the sound reflection-proof walls and ceiling.

Reliability Testing

Constant Temperature Room

Check on the product performance in cooling/heating operation under the various temperature and humidity conditions.

Practical Test Room

Check on whether the air conditioners performance under actual house conditions is sustainable.

Shower Test Room

Check on whether the electrical box of the outdoor unit is protected by rain waters with typhoon like wind.

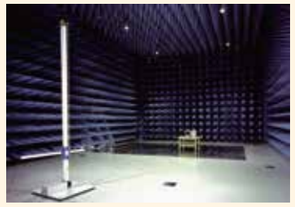
Transportation & Handling

Compressibility testing

Vibration testing

Testing Laboratory

Fujitsu General EMC Laboratory Limited



60 m Height Difference Testing Tower

Objective is to confirm oil circulation of compressor for reliability

HIGH QUALITY ASSURANCE
PRODUCT QUALITY ASSURANCE

All Fujitsu General factories have acquired ISO 9001 and have built a quality control system common around the world. High quality products are offered to all over the world based on stringent quality inspections.

Certifications

ISO

ISO14001 is the standard defined by the International Organization for Standardization (ISO) related to environmental management systems. Fujitsu General America, Inc. has been acknowledged by an internationally accredited compliance organization as having an appropriate program of environmental protection procedures and activities to meet the requirements of ISO14001. The air conditioners manufactured by Fujitsu have received ISO9001 series certification for quality assurance.

RoHS Compliant

Fujitsu participates in the RoHS Directive, which is the Restriction of Hazardous Substances in electrical and electronic equipment. It is an EU directive intended to protect the environment by forcing manufacturers to eliminate or severely curtail the use of cadmium, hexavalent chromium, and lead in all products from automobiles to consumer electronics.

Receiving inspection

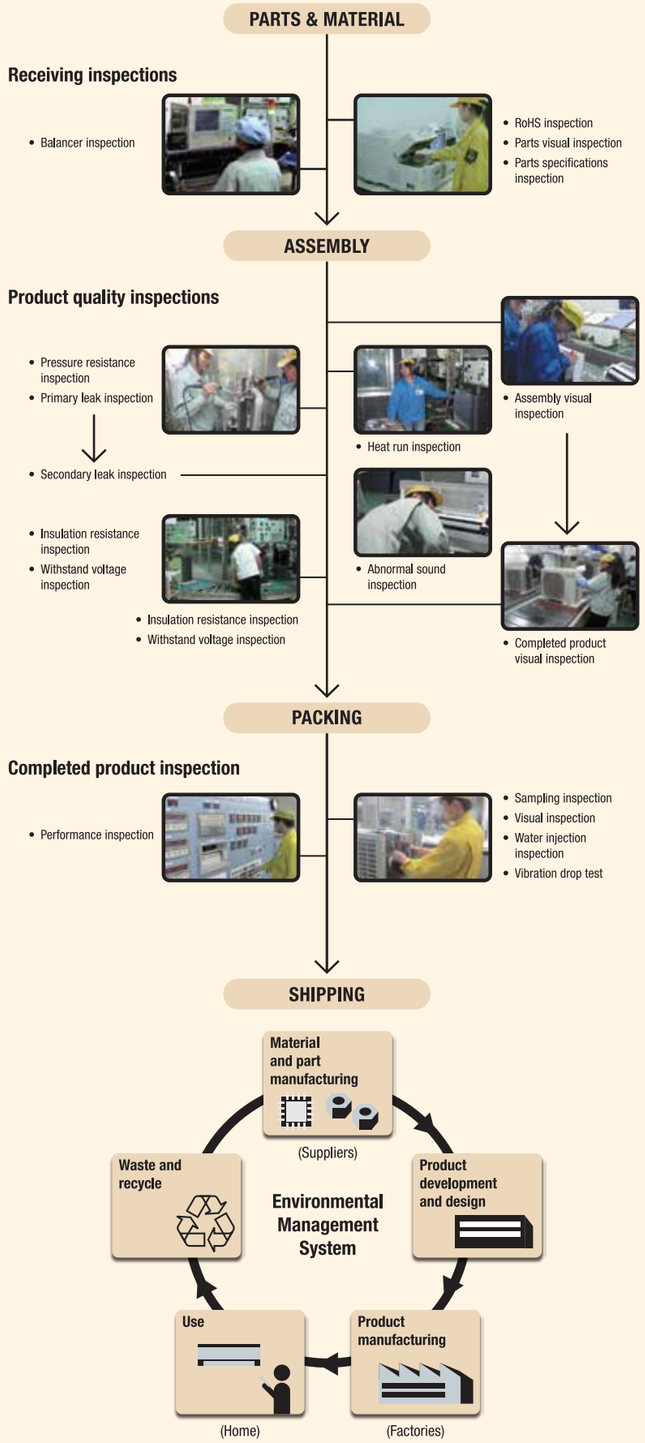
Parts procurement requires a supplier's test report. European regulation RoHS inspection is also performed by a special in-house test department. Total number inspection is performed especially on main parts to remove defective products.

Stringent product quality inspection

Stringent quality inspection is carried out at all production processes. High quality is maintained by stringent checks by inspectors and repetitive inspections.

Environmental Management System

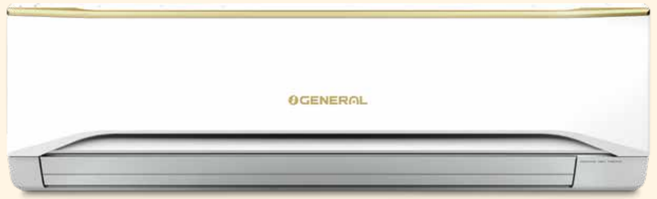
The Fujitsu General Group strives for business activities that achieve harmony between contributing to protecting the global environment and company activities while making environmental protection activities, an important issue in company management. The Fujitsu General Group is working to improve its environment friendliness by building an Environmental Management System (EMS)-taking environmental protection measures throughout the product life cycle of materials procurement, product development and design, manufacturing, and recycling; and by taking the environment into consideration during business activities such as saving energy, resources and reducing waste.



TROPICAL INNOVATION Series

Powerful and beautiful! new large wall mounted Split AC!

Luxurious & Elegant Design



ASGA18FUTC-B / ASGA24FUTD-B / ASGA24FUTC-B / ASGA30FUTC-B / ASGA30FUTD-B / ASGA36FUTC-B

New Design

Golden Ornament

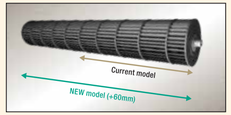
Dual Suction Intake Design

Trimmed Edge Design

Possible to cool every corner of a big room immediately.

New Technology

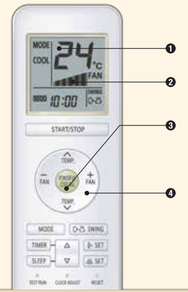
❷ New long cross-flow fan



❸ High output DC fan motor

- Dual Suction
- Optimized Airflow Design

Powerful mode is more power-up!

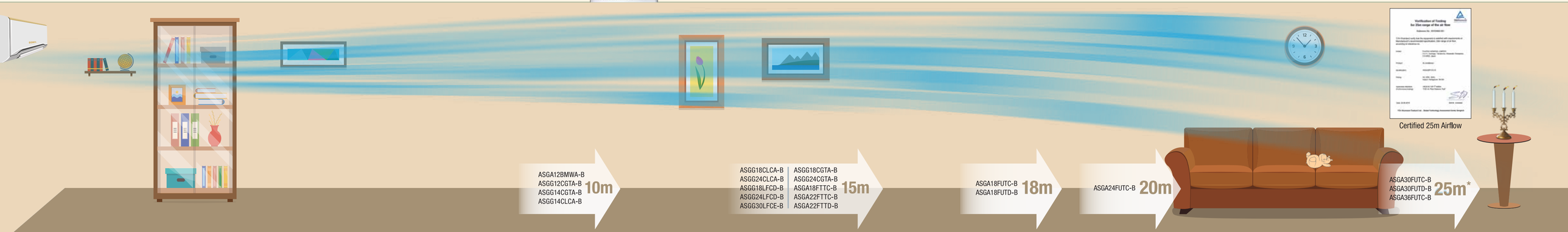


1. Large display
2. Easy to operate new square design
3. One touch powerful cooling mode
4. Easy to use large cursor key

5 speed + Powerful cooling mode

6 Speed Fan Control

*One touch powerful cooling mode: Continuous operation for 30 minutes at maximum air volume



EXPERIENCE THE COOLING EVEN
25 METRES* AWAY

*Conditions apply.

Powerful cooling even in extreme temperatures

Powerful Cooling

The tropical design of the product enables powerful cooling even at high ambient temperature of 52°C.

~52°C
Hyper Tropical Compressor

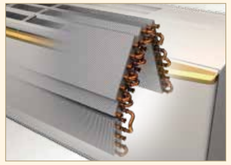
HYPER TROPICAL SPEC
Tropical Product Design

R410A
Eco-friendly Refrigerant

Further improved energy saving performance

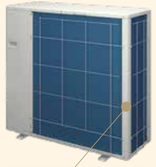
High energy saving

Top class EER by large heat exchanger, new efficient compressor, large propeller fan and new efficient technology.


Large heat exchanger


Large propeller fan

Blue fin & corrugated fin protect against sand, rust and salty air


Super protection

Comfort

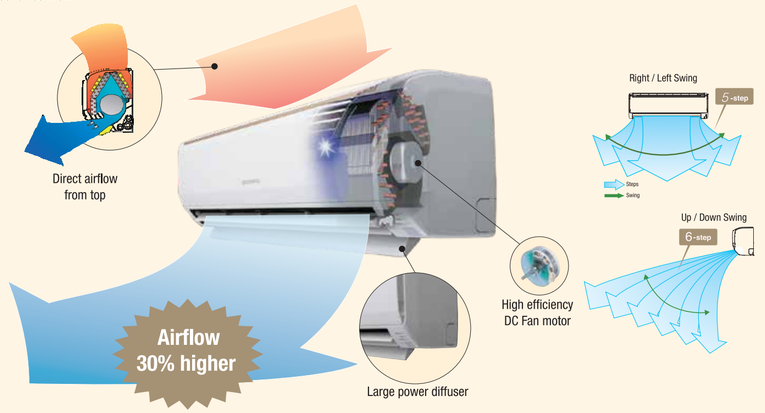
With advanced airflow technology, General provides powerful airflow and better air distribution for corner to corner cooling. This is enabled by:

Large Power Diffuser

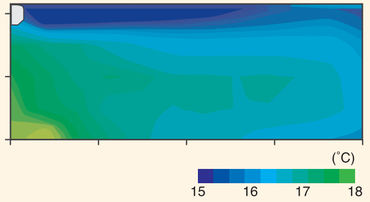
The cold air discharged is directed upward by the specially designed large power diffuser, which achieves the Coanda airflow along the ceiling, producing long reach airflow.

3D Double Auto Swing

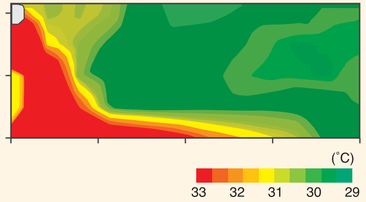
A combination of right/left and up/down directional swing allows 3-dimensional air direction control with 30 unique configurations which enables precision wind direction control.



Cooling: Horizontal Airflow



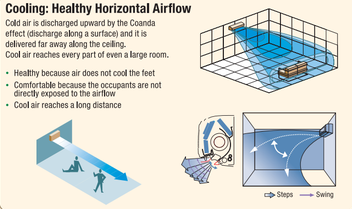
Heating: Vertical Airflow



Cooling: Healthy Horizontal Airflow

Cold air is discharged upward by the Coanda effect (discharge along a surface) and it is delivered far away along the ceiling.
Cool air reaches every part of even a large room.

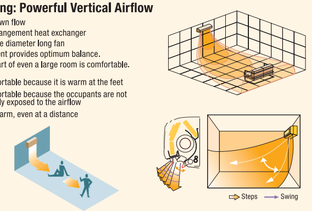
- Healthy because air does not cool the feet
- Comfortable because the occupants are not directly exposed to the airflow
- Cool air reaches a long distance



Heating: Powerful Vertical Airflow

Wide down flow
New arrangement heat exchanger and large diameter long fan placement provides optimum balance.
Every part of even a large room is comfortable.

- Comfortable because it is warm at the feet
- Comfortable because the occupants are not directly exposed to the airflow
- It is warm, even at a distance



Performance

Hyper Tropical Spec

Super eco-friendly
Compressor based on
Eco-friendly R410A refrigerant designed for
higher ambient temperature of 52°C.

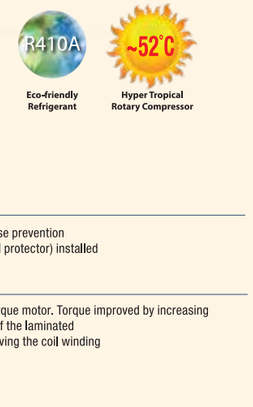
Super powerful
10% more capacity than old models
under overload condition

Super low voltage operation
Our Hyper Tropical Compressor
can be operated even at a low voltage.

Super Hi-EER
5-10% higher than our old model.

Super quiet
Reduces the noise level by
about 3dB at 220V operation.

New Hyper Tropical Rotary Compressor

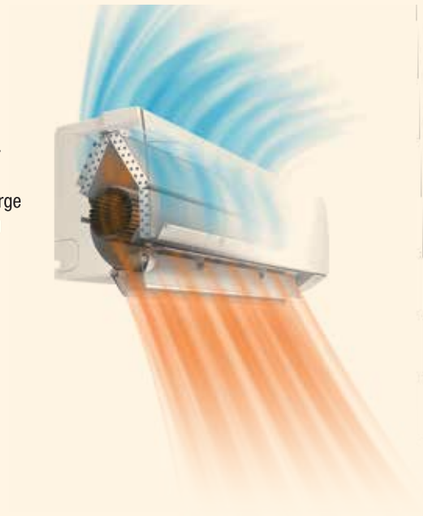


1.Improvement of compressor drive materials for greater durability (hardness increased).
2.Use of high efficiency, high torque motor.
3.Complete protection functions against abnormal temperature rise and abnormal pressure rise.

Designed & developed by Fujitsu General

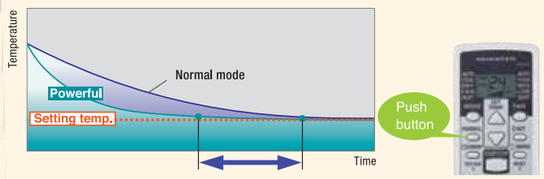
Powerful Heating

High heating capacity is realized even at low outdoor temperature by mounting a large heat exchanger and large DC rotary compressor along with a high performance inverter PCB.



Powerful Operation

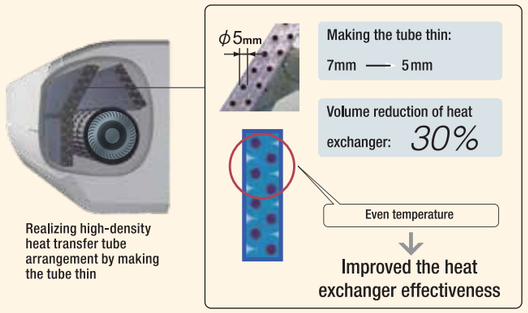
Twenty minutes of continuous operation by maximising airflow and at maximum compressor speed allows the temperature to reach optimum levels. Rapid cooling and heating makes the room comfortable quickly.



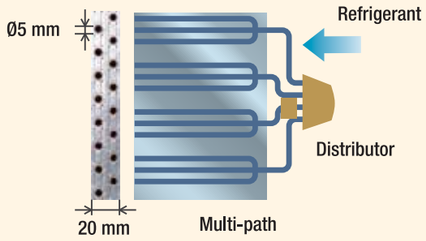
Cooling time in normal mode is about 20% shorter than in high mode.

High Density Multi-Path Heat Exchanger

Heat exchange performance is substantially improved by the thin high-density heat exchanger and multi-path efficiency technology. High performance grooved piping with expanded heat exchanger area is used for better heat transfer.

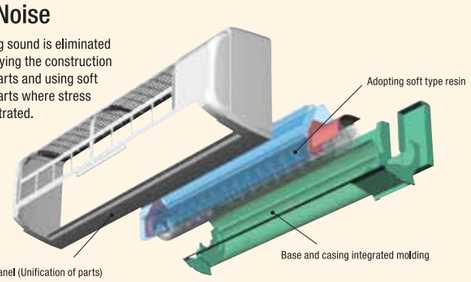


Realizing high-density heat transfer tube arrangement by making the tube thin



Low Noise

Squeaking sound is eliminated by simplifying the construction of resin parts and using soft resin at parts where stress is concentrated.



Performance

Least Deration Effect

General Air Conditioners are designed to perform at ambient conditions as high as 55°C. Housed in larger outdoor units, the machines carry high BTU hyper-tropical compressors with large copper heat exchangers and large propeller fans to ensure powerful cooling.

Powerful and Compact Design

Though the indoor unit is compact, it features a large, high pressure cross fan (107mm diameter) in a centre mounted configuration and a Lambda Type Heat Exchanger to provide plenty of power. The extra long diffuser provides a wide outflow opening for air. This ensures a large air outflow volume over a wide area to cool or heat all areas of the room.

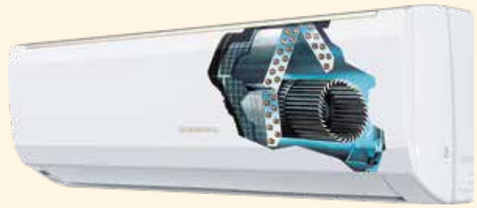
High efficiency BLDC Motor

DC fan motor produces high power, wide operation range, and high efficiency.

- 20% increase in motor efficiency
- 20% lesser vibration
- Lower noise

High Air Quality

Perfect comfort is ensured by the removal of dust, odour and bacteria in the air. Intake of fresh air, and other clean air conditioning technologies always takes health into consideration. Mildew resistant filter prevents mould formation in the indoor unit.



Simple and compact design fits any interior decor

Large Outdoor Fan

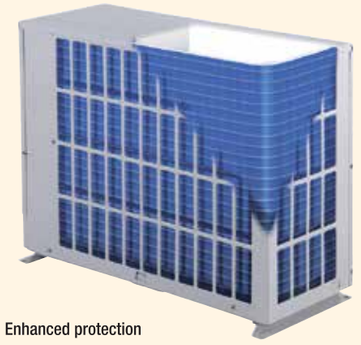
Large fan with powerful motor at high CFM for better heat transfer.

Corrosion Resistant Outdoor Units

These outdoor units are built heavier with corrosion-resistant materials to make it long-lasting, sturdier and also quieter at the same time. These units can withstand 1,000 hours of salt spray test, as per procedure ASTM B117.

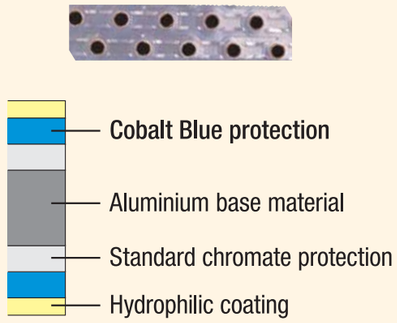
Blue Fin Condenser for long life

Adoption of cobalt blue coating for the fins in the heat exchanger provides protection against rust and salt damage.



Enhanced protection

Anti-Corrosion Treated Fin



Pursuit of Seasonal Efficiency

In over 90% of actual operation time, air conditioners are operated at partial capacity instead of rated capacity. We focused on high seasonal efficiency with an all DC inverter control and high efficiency technology.

What is an INVERTER air conditioner ?

INVERTER is an equipment that controls the electrical voltage, current and frequency of the compressor motor in an air conditioner.

An INVERTER air conditioner changes the speed of the compressor by varying the frequency of the power supply to give superior cooling, ranging from high to low.

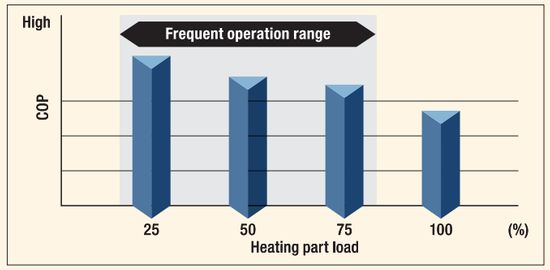
When an INVERTER air conditioner is started, the compressor runs at high speed for quick cooling. But once the set temperature is reached, the INVERTER air conditioner enters an 'energy saving mode' by reducing the compressor speed. Thus, effectively reducing its power in order to save energy.

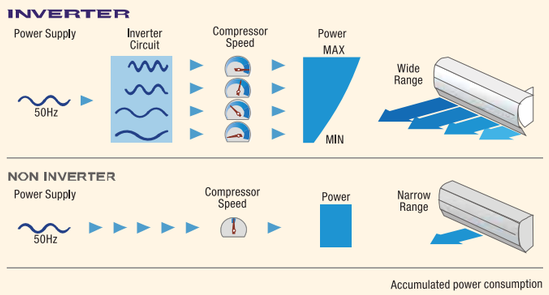
Full Inverter Technology

General Inverter Air conditioners are built with compressors with advanced frequency modulation technology that run at speeds as low as 16% to as high as 120% when quick cooling is required, and consume less power under part load conditions.

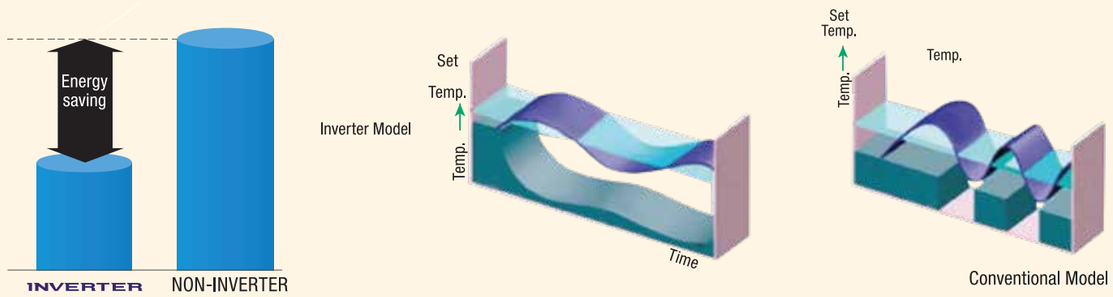
Comfort Cooling with Full Inverter Technology

It also reduces loss by adjusting the current waveform to a better sine waveform. This promotes the effective use of the input power supply to attain high performance.



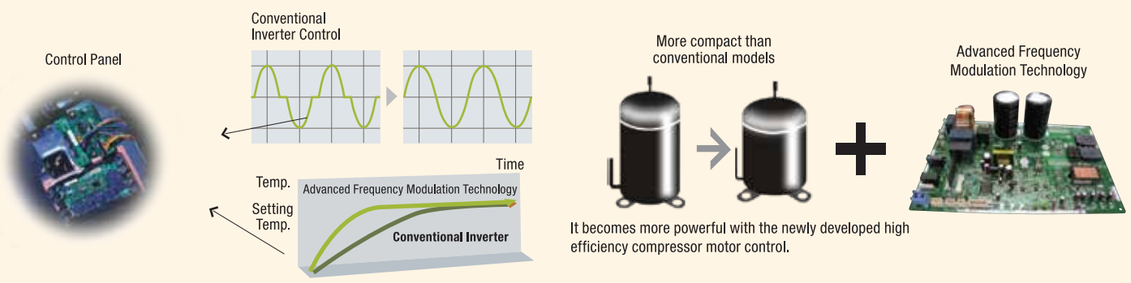


Faster Cooling



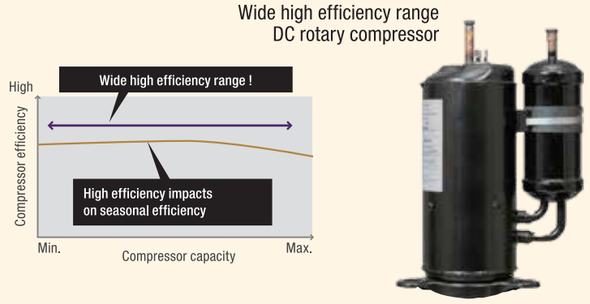
Advanced Frequency Modulation Technology

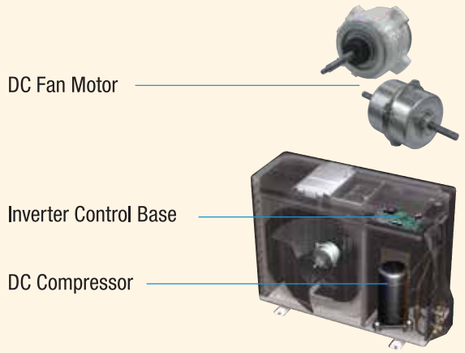
Advanced Frequency Modulation Technology reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturization, higher efficiency and better performance is attained.



ALL DC Saves Energy Throughout the Year

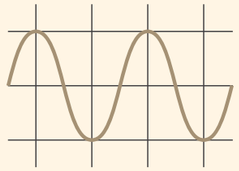
By making all the motors DC, electricity loss is decreased and power consumption is substantially reduced. In addition, high-speed fan motor rotation is possible, heat exchange efficiency is increased and annual power consumption amount is saved by increasing the airflow.





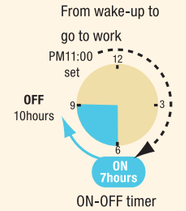
Sine-wave DC Inverter Control

High efficiency operation is realized by using a sine wave DC inverter control.



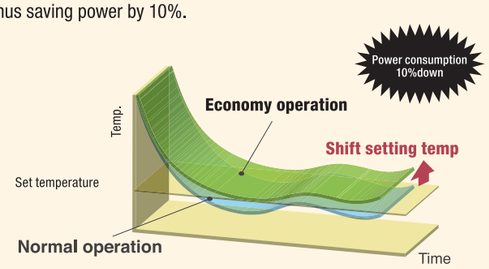
More Convenient Timer

You can set a program timer ON-OFF or OFF-ON timer that's suitable for your lifestyle (Setting time: 0.5, 1, 1.5, 2, --- 9.5, 10, 11, 12 hours)



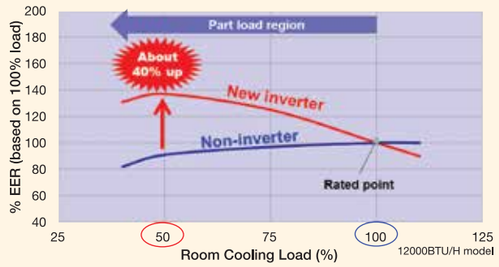
Economy Operation

Economy operation is for energy saving. As the set temperature of the indoor unit is shifted by 1°C, the load on the outdoor unit is minimised thus saving power by 10%.



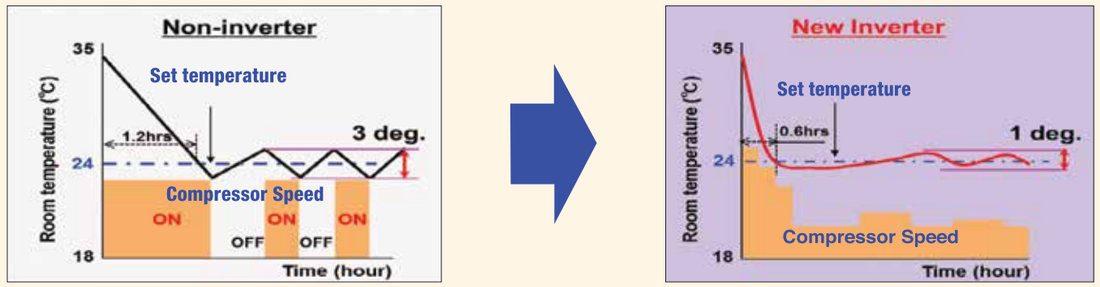
Part Load Efficiency

More power saving can be achieved by using Inverters as they operate under part-load condition most of the time.



Faster Cooling and Comfort Control

Inverter ACs take half the time to reach the set temperature and precise control of room temperature is also attained.

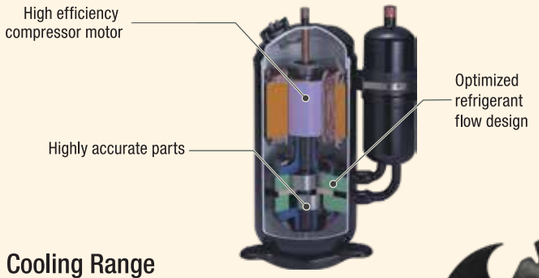


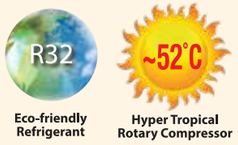
Starting point: Set temperature: 24°C, Operation Time: 3 hours, Room Inside: 35°C, Outdoor: 35°C (For 12000BTU/Hr model)

EFFICIENT & TROPICAL INVERTER

Hyper Tropical DC Rotary Compressor (CGTA-B)

The high efficiency DC inverter type rotary compressor is used in our product range. It has achieved higher full load and part load energy efficiency compared to similar compressors by adopting full inverter technology.





Eco-friendly Refrigerant

Hyper Tropical Rotary Compressor

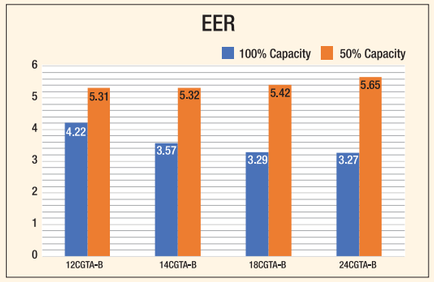
Extreme Cooling Range

0.26 Model ASGG12CGTA-B 1.20 Ton
0.26 Model ASGG14CGTA-B 1.30 Ton
0.26 Model ASGG18CGTA-B 1.60 Ton
0.30 Model ASGG24CGTA-B 2.30 Ton
Min - Max

5.12 ISEER

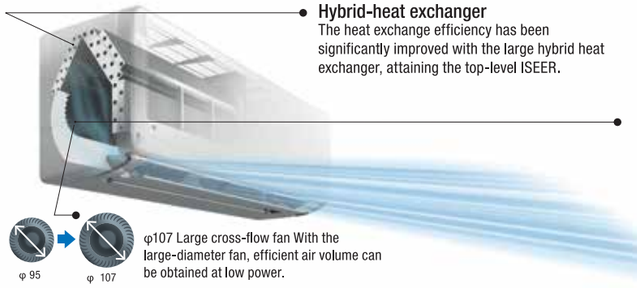
Tomahawk Fan Design
Noise Reduction & Optimal Airflow

Highest Partload Efficiency



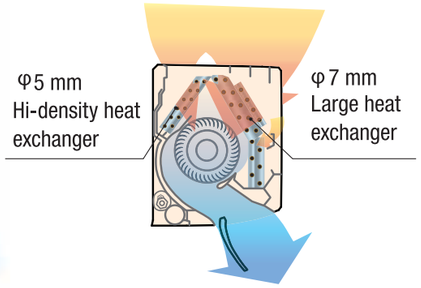
Stylish and Compact design

Top class high efficiency is achieved by high efficient lambda heat exchanger, large cross flow fan and new refrigerant.



Hybrid-heat exchanger
The heat exchange efficiency has been significantly improved with the large hybrid heat exchanger, attaining the top-level ISEER.

φ95 φ107 φ107 Large cross-flow fan With the large-diameter fan, efficient air volume can be obtained at low power.



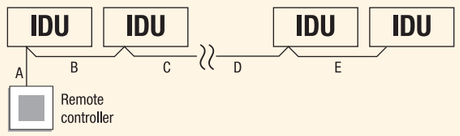
Energy saving by Human Sensor

Human sensor catches movements of people in a room, and operates with lower capacity when people leave the room. When people come back to the room, it automatically returns to previous operating mode.

Group Control System

A number of indoor units can be operated at the same time using a single remote controller. When connecting different types of indoor units (such as wall mounted, cassette, duct or other types), some functions may be restricted.

Connect multiple indoor units in a system.



A, B, C, D, E : Remote controller cable.
A+B+C+D+E ≤ 500m

Group Control Remote

The cable size needs to be changed depending on the total wiring length.

Total wiring length of remote controller cable (A+B+C+D+E)	Cross section of cable
≤ 500m	0.3~1.25 mm²

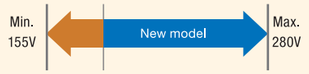
EFFICIENT & TROPICAL INVERTER

Cooling Power for Tropical Application (CPTA Technology)

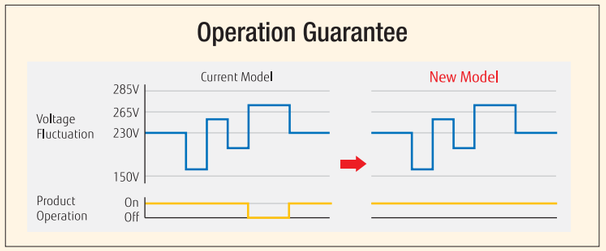
Operation in High Ambient Temperature

The air conditioners are tropically designed to cool even under extremely high ambient temperature upto 55°C.

Extreme voltage range



It can be operated under unstable power supply condition as low as 155V and as high as 280V

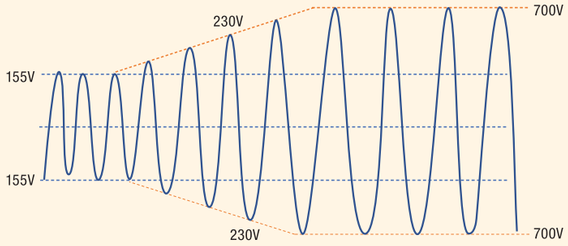


The upper limit of the operating voltage range was further increased to match the Indian power situation with large voltage fluctuations.

Not affected by the voltage fluctuation than current models.

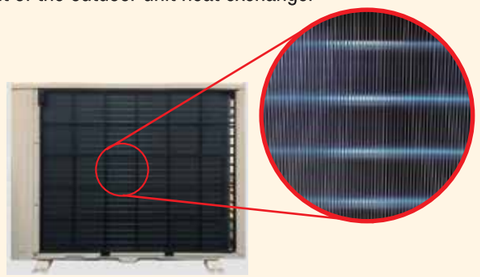
Surge Voltage Protection

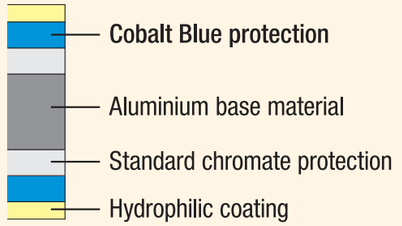
The newly developed general PCB is designed to withstand surge voltage upto 700V. The design is highly robust.



Anti-corrosion Heat Exchanger (Blue Fin)

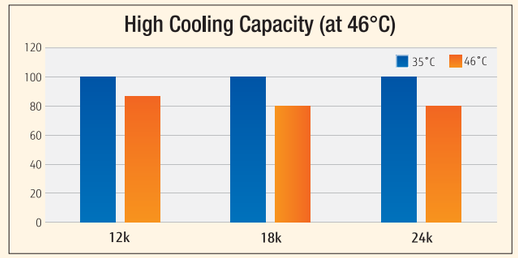
Improved corrosion resistance and longer life of heat exchanger by blue fin treatment of the outdoor unit heat exchanger



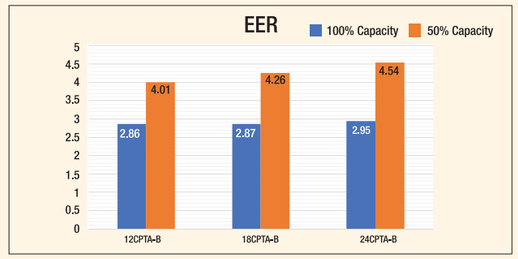


Over 80% cooling even at 46°C

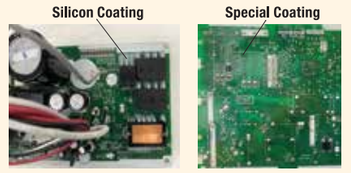
The ACs designed to deliver cooling over 80% of its rated capacity even at 46°C which means low derating effect.



Part Load Efficiency for CPTA



High Reliability System High Durability PCB



Silicon coating on PCB protects from dust, dirt, water and humidity.

Anti-corrosion Copper Heat Exchanger

Indoor Unit Anti-corrosion Coating prevents refrigerant leak by coating the heat exchanger with an epoxy resin.

EFFICIENT & TROPICAL INVERTER

Tropical Inverter Series

EXTREME COOLING I EXTREME VOLTAGES I EXTREME EFFICIENCY

~52°C Hyper Tropical Rotary Compressor

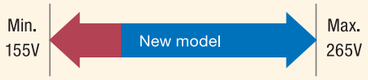
R32 Eco-friendly Refrigerant

Cooling ASGG12CGTA-B / ASGG14CGTA-B / ASGG18CGTA-B / ASGG24CGTA-B

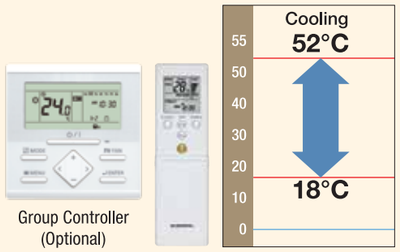
Save HUMAN SENSOR | ADVANCED FREQUENCY MODULATION | Double DOUBLE SWING AUTOMATIC - 3D | POWERFUL POWERFUL MODE | SELF DIAGNOSIS

Human sensor

Wide Voltage Range



Ambient Operating Range



Group Controller (Optional)

Wide range of cooling – Full Inverter Technology

PARAMETERS	UNITS	ASGG12CGTA-B	ASGG14CGTA-B	ASGG18CGTA-B	ASGG24CGTA-B
Wide Cooling Range(Min~Max)	kW	0.9~4.1	0.9~4.5	0.9~5.6	1.1~8.0

TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGG12CGTA-B	ASGG14CGTA-B	ASGG18CGTA-B	ASGG24CGTA-B
ISEER Star Rating	-	5	5	5	5
Tonnage	TR	1.0	1.2	1.5	2
Power Supply	Ph-Hz-V	1ϕ-50-230			
Running Current	A	4.3	5.3	7.3	9.4
"Standard Cooling at 100% Capacity	W	3400 (900~4100)	4200 (900~4500)	5200 (900~5600)	7000 (1100~8000)
Standard Cooling at 50% Capacity	W	1700	2100	2600	3500
Power Consumption at 100% Capacity	W	805	1175	1580	2140
Power Consumption at 50% Capacity	W	320	395	480	620
EER at 100% capacity	W/W	4.22	3.57	3.29	3.27
EER at 50% capacity	W/W	5.31	5.32	5.42	5.65
Rated ISEER	-	5.12	4.75	4.61	4.7
Electricity Consumption per Annum	kWh	514	685	873	1154
Moisture Removal	l/h	1.8	2.1	1.9	2.7
Indoor Airflow Volume-High	m^3/h	700	770	880	1170
Indoor Airflow Distance	m	10	10	15	15
Indoor Unit Dimensions HxWxD	mm	270X834X215	270X834X215	270x834x239	280x980x240
Indoor Unit Net Weight	kg	10	10	11	12.5
Outdoor Unit Dimensions HxWxD	mm	542X799X290	542X799X290	542x799x290	716x820x315
Outdoor Unit Net Weight	kg	31	32	32	41
Indoor Noise Level (Quiet)	dB(A)	19	20	28	29
Outdoor Noise Level	dB(A)	50	50	52	54
Outdoor Fan Diameter	mm	400	400	400	440
Outdoor Air Circulation	m^3/h	1680	1680	1830	3240
Connnection Pipe (Gas, Liquid)	inch	3/8, 1/4	3/8, 1/4	1/2,1/4	1/2, 1/4
	mm	9.52, 6.35	9.52, 6.35	12.70,6.35	12.70, 6.35
Pipe Length Min~Max (Precharged)	m	3~15 (7.5)	3~15 (7.5)	3~20 (15)	3~30 (15)
Max Height Difference	m	15	15	15	25
Max Operating Temperature	°C	52°C	52°C	52°C	52°C
Refrigerant Type	-	R32	R32	R32	R32
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Rotary	Hyper Tropical Rotary	Hyper Tropical Twin Rotary
Evaporator & Condenser Type	-	Copper	Copper	Copper	Copper

*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas and above 10mts/15 mts/20mts as per installation manual. The noise level is the value when measured in an anechoic room.

HYPER TROPICAL INVERTER

Tropical Inverter Series

EXTREME COOLING I EXTREME VOLTAGES I COMPACT DESIGN

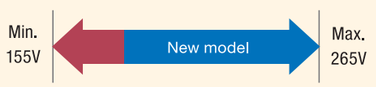
~52°C Hyper Tropical Rotary Compressor

R32 Eco-friendly Refrigerant

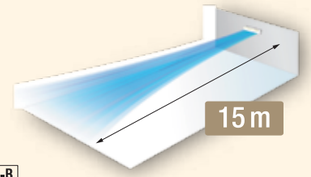
Cooling ASGG14CLCA-B / ASGG18CLCA-B / ASGG24CLCA-B

15m COANDA AIRFLOW TECHNOLOGY | ADVANCED FREQUENCY MODULATION | Economy ECONOMY MODE | POWERFUL POWERFUL MODE | SELF DIAGNOSIS

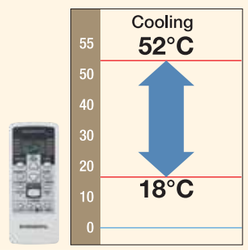
Wide Voltage Range



15m Long-reach Airflow



Ambient Operating Range



Wide range of cooling – Full Inverter Technology

PARAMETERS	UNITS	ASGG14CLCA-B	ASGG18CLCA-B	ASGG24CLCA-B
Wide Cooling Range(Min~Max)	kW	0.8~4.15	0.9~5.45	0.9~7.75

TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGG14CLCA-B	ASGG18CLCA-B	ASGG24CLCA-B
ISEER Star Rating	-	4	4	3
Tonnage	TR	1.2	1.5	2.0
Power Supply	Ph-Hz-V	1ϕ-50-230		
Running Current	A	5.3	7.5	11.4
Standard Cooling at 100% Capacity	W	4000 (800~4150)	5200 (900~5450)	7100 (900~7750)
Standard Cooling at 50% Capacity	W	2000	2600	3550
Power Consumption at 100% Capacity	W	1100	1680	2570
Power Consumption at 50% Capacity	W	430	550	750
EER at 100% capacity	W/W	3.64	3.10	2.76
EER at 50% capacity	W/W	4.65	4.73	4.73
Rated ISEER	-	4.45	4.17	3.95
Electricity Consumption per Annum	kWh	696	965	1390
Moisture Removal	l/hr	1.3	1.9	3.1
Indoor Airflow Volume-High	m^3/hr	880	975	1035
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	293x790x249	293x790x249	293x790x249
Indoor Unit Net Weight	kg	9.5	9.5	9.5
Outdoor Unit Dimensions HxWxD	mm	541x663x290	542x799x290	632x799x293
Outdoor Unit Net Weight	kg	25	31	38
Indoor Noise Level (Quiet)	dB(A)	32	34	34
Outdoor Noise Level	dB(A)	51	53	55
Outdoor Fan Diameter	mm	400	400	440
Outdoor Air Circulation	m^3/hr	1805	1830	2885
Connnection Pipe (Gas, Liquid)	inch	3/8, 1/4	3/8, 1/4	1/2, 1/4
	mm	9.52, 6.35	9.52, 6.35	12.70, 6.35
Pipe Length Min~Max (precharged)	m	3~15 (15)	3~15 (15)	3~15 (25)
Max Height Difference	m	15	15	25
Max Operating Temperature	°C	52°C	52°C	52°C
Refrigerant Type	-	R32	R32	R32
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Twin Rotary	Hyper Tropical Twin Rotary
Evaporator & Condenser Type	-	Copper	Copper	Copper

*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas and above 10mts/15 mts/20mts as per installation manual. The noise level is the value when measured in an anechoic room.

NEW

HYPER TROPICAL INVERTER WITH CPTA TECHNOLOGY

E Tropical Inverter Series

EXTREME COOLING I EXTREME VOLTAGE

~55°C Advanced Hyper Tropical Rotary Compressor

R32 Eco-friendly Refrigerant

Cooling ASGG12CPTA-B / ASGG18CPTA-B / ASGG24CPTA-B

- 15m COANDA AIRFLOW TECHNOLOGY
- ADVANCED FREQUENCY MODULATION
- Silicon Coated PCB
- POWERFUL MODE
- SELF DIAGNOSIS

Voltage Surge

700v

Surge Voltage Protection 700V

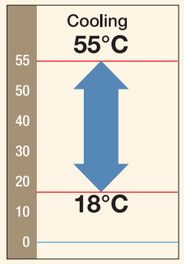
Blue Fin Condenser

Wide Voltage Range

Min. 155V — New model — Max. 280V

(12/18) (24)

Ambient Operating Range



Wide range of cooling – Full Inverter Technology

PARAMETERS	UNITS	ASGG12CPTA-B	ASGG18CPTA-B	ASGG24CPTA-B
Wide Cooling Range(Min~Max)	kW	0.84~3.54	1.32~5.39	1.76~7.04

TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGG12CPTA-B	ASGG18CPTA-B	ASGG24CPTA-B
ISEER Star Rating	-	3	3	3
Tonnage	TR	1	1.5	2
Power Supply	Ph-Hz-V	1ϕ-50-230		
Running Current	A	5.5	8.5	10.6
Standard Cooling at 100% Capacity	W	3370 (840~3540)	5280 (1320~5390)	7040 (1760-7040)
Standard Cooling at 50% Capacity	W	1685	2640	3520
Power Consumption at 100% Capacity	W	1180	1840	2390
Power Consumption at 50% Capacity	W	420	620	775
EER at 100% capacity	W/W	2.86	2.87	2.95
EER at 50% capacity	W/W	4.01	4.26	4.54
Rated ISEER	-	3.68	3.81	3.99
Electricity Consumption per Annum	kWh	709	1074	1367
Moisture Removal	l/hr	1.5	1.9	2.7
Indoor Airflow Volume - Powerful**	m^3/hr	600	990	1240
Indoor Airflow Distance	m	10	15	15
Indoor Unit Dimensions HxWxD	mm	270x784x224	270x834x239	280x980x240
Indoor Unit Net Weight	kg	8.5	11	12.5
Outdoor Unit Dimensions HxWxD	mm	541x663x290	541x663x290	632x799x290
Outdoor Unit Net Weight	kg	22	27	36
Indoor Noise Level (Quiet)	dB(A)	22	28	29
Outdoor Noise Level	dB(A)	50	51	53
Outdoor Fan Diameter	mm	400	400	440
Outdoor Air Circulation	m^3/hr	1940	1680	2885
Connnection Pipe (Gas, Liquid)	inch	3/8, 1/4	1/2, 1/4	1/2, 1/4
	mm	9.52, 6.35	12.70, 6.35	12.70, 6.35
Pipe Length Min~Max (Precharged)	m	3~20 (10)	3~20 (10)	3~25 (15)
Max Height Difference	m	15	15	20
Max Operating Temperature	°C	18°C ~ 55°C	18°C ~ 55°C	18°C ~ 55°C
Refrigerant Type	-	R32	R32	R32
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Rotary	Hyper Tropical Twin Rotary
Evaporator & Condenser Type	-	Copper	Copper	Copper

*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas and above 10mts/ 15 mts/20mts as per installation manual. The noise level is the value when measured in an anechoic room. ** One Touch powerful cooling mode: Continuous operation for 20 minutes at maximum air volume.

INVERTER - HOT & COLD

TROPICAL SPEC

EXTREME EFFICIENCY

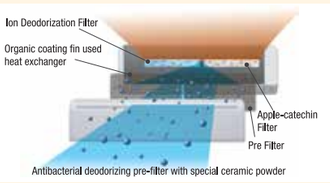
~46°C Tropical Rotary Compressor

R410A Eco-friendly Refrigerant

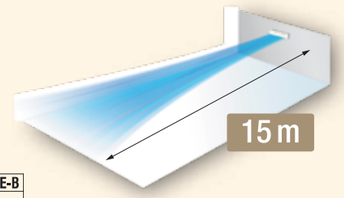
Hot & Cold ASGG18LFCD-B / ASGG24LFCD-B / ASGG30LFCE-B

- 15m COANDA AIRFLOW TECHNOLOGY
- ADVANCED FREQUENCY MODULATION
- ION DEODORIZATION FILTER
- AF APPLE-CATECHIN FILTER
- Double DOUBLE SWING AUTOMATIC - 3D

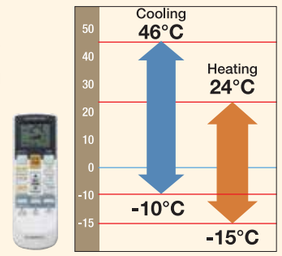
Filter Features



15m Long-reach Airflow



Ambient Operating Range



Wide range of cooling & heating – Full Inverter Technology

PARAMETERS	UNITS	ASGG18LFCD-B	ASGG24LFCD-B	ASGG30LFCE-B
Wide Cooling Range(Min~Max)	kW	0.9~6.0	0.9~8.0	2.9~9.0
Wide Heating Range(Min~Max)	kW	0.9~9.1	0.9~10.6	2.2~11.0

TECHNICAL SPECIFICATIONS

PARAMETERS	CATEGORY	UNITS	ASGG18LFCD-B	ASGG24LFCD-B	ASGG30LFCE-B
ISEER Star Rating	-	-	5	4	4
Tonnage	-	TR	1.5	2.0	2.5
Power Supply	-	Ph-Hz-V		1ϕ-50-230	
Running Current	Cooling	A	6.5	10.0	10.4
	Heating	A	8.5	10.9	10.7
"Standard Cooling at 100% Capacity (Min~Max Operating Range)"	Cooling	W	5000 (900~6000)	7100 (900~8000)	7900 (2900~9000)
Standard Cooling at 50% Capacity "Standard Heating at 100% Capacity (Min~Max Operating Range)"	Heating	W	2500	3550	3950
			6300 (900~9100)	8000 (900~10600)	8800 (2200~11000)
Power Consumption at 100% Capacity	Cooling	W	1450	2280	2360
Power Consumption at 50% Capacity		W	500	720	930
Power Consumption at 100% Capacity	Heating	W	1900	2480	2440
EER at 100% Capacity	Cooling	W/W	3.45	3.11	3.35
EER at 50% Capacity	Cooling	W/W	5.00	4.93	4.25
COP	Heating	W/W	3.32	3.23	3.61
Rated ISEER	Cooling	-	4.52	4.28	4.08
Electricity Consumption per Annum	Cooling	kWh	857	1286	1499
Moisture Removal	-	l/hr	2.6	2.7	3.2
Indoor Airflow Volume-High	Cooling	m^3/hr	900	1120	1120
	Heating	m^3/hr	900	1120	1150
Indoor Airflow Distance	Cooling	m	15	15	15
	Heating	m	15	15	15
Indoor Unit Dimensions HxWxD	-	mm	320x998x238	320x998x238	320x998x238
Indoor Unit Net Weight	-	kg	14	14	14
Outdoor Unit Dimensions HxWxD	-	mm	620x790x290	620x790x290	830x900x330
Outdoor Unit Net Weight	-	kg	41	41	61
Indoor Noise Level (Quiet)	Cooling	dB(A)	26	32	33
	Heating	dB(A)	25	32	33
Outdoor Noise Level	Cooling	dB(A)	50	55	53
	Heating	dB(A)	51	56	55
Outdoor Fan Diameter		mm	415	415	440
Outdoor Air Circulation		m3/hr	Cooling: 2150 Heating: 2070	Cooling: 2460 Heating: 2340	Cooling: 3600 Heating: 3500
Connnection Pipe (Gas, Liquid)	-	inch	1/2, 1/4	5/8, 1/4	5/8, 3/8
	-	mm	12.70, 6.35	15.88, 6.35	15.88, 9.53
Pipe Length Min~Max (precharged)	-	m	3~25 (15)	3~30 (15)	3~50 (20)
Max Height Difference	-	m	20	20	30
Operating Temperature	Cooling	°C	-10°C~46°C	-10°C~46°C	-10°C~46°C
	Heating	°C	-15°C~24°C	-15°C~24°C	-15°C~24°C
Refrigerant Type	-	-	R410A	R410A	R410A
Compressor Type	-	-	Twin Rotary	Twin Rotary	Twin Rotary
Evaporator & Condenser Type	-	-	Copper	Copper	Copper

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TROPICAL INNOVATION SPLIT

EXTREME COOLING I EXTREME AIRFLOW I LARGE INDOOR

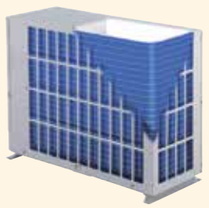
Cooling ASGA18FUTC-B / ASGA18FUTD-B / ASGA24FUTC-B / ASGA30FUTC-B / ASGA30FUTD-B / ASGA36FUTC-B

~52°C Hyper Tropical Rotary Compressor

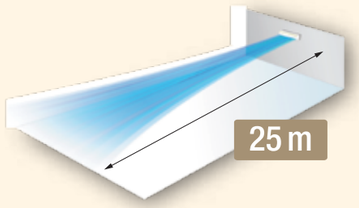
R410A Eco-friendly Refrigerant

- 25m COANDA AIRFLOW TECHNOLOGY
- DUAL SUCTION INTAKE DESIGN
- Double DOUBLE SWING AUTOMATIC - 3D
- QUIET OPERATION
- SELF DIAGNOSIS

Blue Fin Condenser

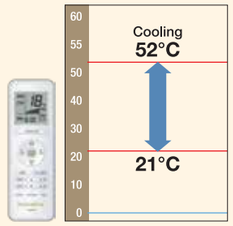


25m Long-reach Airflow



6 Speed Fan Control

Ambient Operating Range



TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGA18FUTC -B ASGA18FUTD -B	ASGA24FUTC-B	ASGA30FUTC-B ASGA30FUTD-B	ASGA36FUTC-B
ISEER Star Rating	-	3	3	3	NA
Tonnage	TR	1.5	2.0	2.5	3.0
Power Supply	Ph-Hz-V	1ϕ-50-230			
Running Current	A	6.9	9.31	10.4	14.1
Standard Cooling at 100% Capacity	W	5470	7250	8180	10580
Power Consumption at 100% Capacity	W	1560	2070	2340	3140
EER	W/W	3.51	3.5	3.50	3.37
Rated ISEER	-	3.51	3.5	3.50	NA
Electricity Consumption per Annum	kWh	1207	1603	1811	NA
Moisture Removal	l/h	1.0	2.0	2.5	4.5
Indoor Airflow Volume - Powerful	m^3/h	1400	1480	1630	1630
Indoor Airflow Distance	m	18	20	25	25
Indoor Unit Dimensions HxWxD	mm	340x1150x280	340x1150x280	340x1150x280	340x1150x280
Indoor Unit Net Weight	kg	16	17	17	17
Outdoor Unit Dimensions HxWxD	mm	650x830x320	650x830x320	914x970x370	1290x900x330
Outdoor Unit Net Weight	kg	47	52	77	104
Indoor Noise Level (Quiet)	dB(A)	34	35	41	43
Outdoor Noise Level	dB(A)	53	55	54	56
Outdoor Fan Diameter	mm	440	440	560	450x2
Outdoor Air Circulation	m^3/h	3320	3070	4400	5900
Connnection Pipe (Gas, Liquid)	inch	5/8, 1/4	5/8, 1/4	5/8, 3/8	5/8, 3/8
	mm	15.88, 6.35	15.88, 6.35	15.88, 9.53	15.88, 9.53
Pipe Length Min~Max (Precharged)	m	3~20 (7.5)	3~20 (7.5)	3~30 (7.5)	3~50 (20)
Max Height Difference	m	8	8	15	30
Max Operating Temperature	°C	52°C	52°C	52°C	52°C
Refrigerant Type	-	R410A	R410A	R410A	R410A
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Rotary	Hyper Tropical Scroll	Hyper Tropical Scroll
Evaporator & Condenser Type	-	Copper	Copper	Copper	Copper

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HYPER TROPICAL SPLIT

EXTREME COOLING

Cooling ASGA18FTTC-B / ASGA22FTTC-B / ASGA22FTTD-B

~52°C Hyper Tropical Rotary Compressor

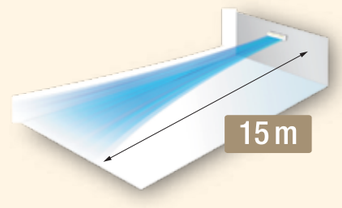
R410A Eco-friendly Refrigerant

- 15m COANDA AIRFLOW TECHNOLOGY
- MILDEW RESISTANT FILTER
- Double DOUBLE SWING AUTOMATIC - 3D
- QUIET OPERATION
- SELF DIAGNOSIS

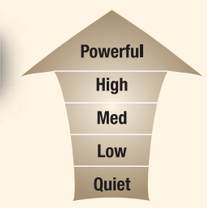
PARAMETERS	UNITS	ASGA18FTTC-B	ASGA22FTTC-B
Compressor Capacity	BTU/h	19,107	24,328
Machine Capacity	BTU/h	18,080	22,170

Compressor capacity higher than machine capacity ensures powerful operation at high ambient temperature.

High Capacity Compressor

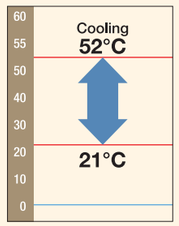


15m Long-reach Airflow



5 Speed Fan Control

Ambient Operating Range



TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGA18FTTC-B	ASGA22FTTC-B ASGA22FTTD-B
ISEER Star Rating	-	3	3
Tonnage	TR	1.5	1.8
Power Supply	Ph-Hz-V	1ϕ-50-230	
Running Current	A	6.8	8.3
Standard Cooling at 100% Capacity	W	5300	6500
Power Consumption at 100% Capacity	W	1510	1850
EER	W/W	3.51	3.51
Rated ISEER	-	3.51	3.51
Electricity Consumption per Annum	kWh	1169	1432
Moisture Removal	l/hr	1.7	2.2
Indoor Airflow Volume-High	m^3/hr	985	1120
Indoor Airflow Distance	m	15	15
Indoor Unit Dimensions HxWxD	mm	320x998x238	320x998x238
Indoor Unit Net Weight	kg	14	14
Outdoor Unit Dimensions HxWxD	mm	650x830x320	830x900x330
Outdoor Unit Net Weight	kg	51	63
Indoor Noise Level (Quiet)	dB(A)	33	35
Outdoor Noise Level	dB(A)	54	54
Outdoor Fan Diameter	mm	440	440
Outdoor Air Circulation	m^3/hr	3200	3300
Connnection Pipe (Gas, Liquid)	inch	5/8, 1/4	5/8, 1/4
	mm	15.88/6.35	15.88/6.35
Pipe Length Min~Max (Precharged)	m	3~20 (7.5)	3~20 (7.5)
Max Height Difference	m	8	8
Max Operating Temperature	°C	52°C	52°C
Refrigerant Type	-	R410A	R410A
Compressor Type	-	Hyper Tropical Rotary	Hyper Tropical Rotary
Evaporator & Condenser Type	-	Copper	Copper

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ECO-FRIENDLY SPLIT

COMPACT DESIGN

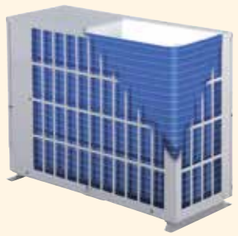
Cooling ASGA12BMWA-B

~48°C Tropical Rotary Compressor

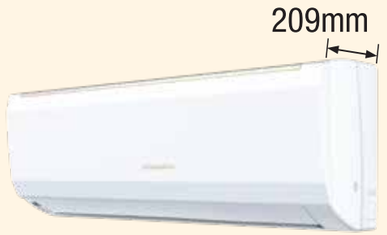
R32 Eco-friendly Refrigerant

- 10m — COANDA AIRFLOW TECHNOLOGY
- MILDEW RESISTANT FILTER
- POWERFUL — POWERFUL MODE
- QUIET OPERATION
- SELF DIAGNOSIS

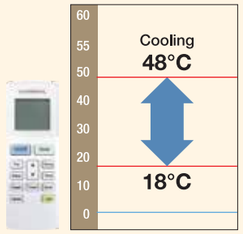
Blue Fin Condenser



Compact Design



Ambient Operating Range



TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	ASGA12BMWA-B
ISEER Star Rating	-	3
Tonnage	TR	1.0
Power Supply	Ph-Hz-V	1ϕ-50-230
Running Current	A	4.5
Standard Cooling at 100% Capacity	W	3600
Power Consumption at 100% Capacity	W	1010
EER	W/W	3.56
Rated ISEER	-	3.56
Electricity Consumption per Annum	kWh	782
Moisture Removal	l/hr	1.7
Indoor Airflow Volume-High	m^3/hr	660
Indoor Airflow Distance	m	10
Indoor Unit Dimensions HxWxD	mm	289x845x209
Indoor Unit Net Weight	kg	11
Outdoor Unit Dimensions HxWxD	mm	540x848x320
Outdoor Unit Net Weight	kg	30
Indoor Noise Level (Quiet)	dB(A)	28
Outdoor Noise Level	dB(A)	48
Outdoor Fan Diameter	mm	395
Outdoor Air Circulation	m^3/hr	1800
Connnection Pipe (Gas, Liquid)	inch	1/2, 1/4
	mm	12.70/6.35
Pipe Length Min~Max (Precharged)	m	3~20 (7.5)
Max Height Difference	m	10
Max Operating Temperature	°C	48°C
Refrigerant Type	-	R32
Compressor Type	-	Rotary
Evaporator & Condenser Type	-	Copper

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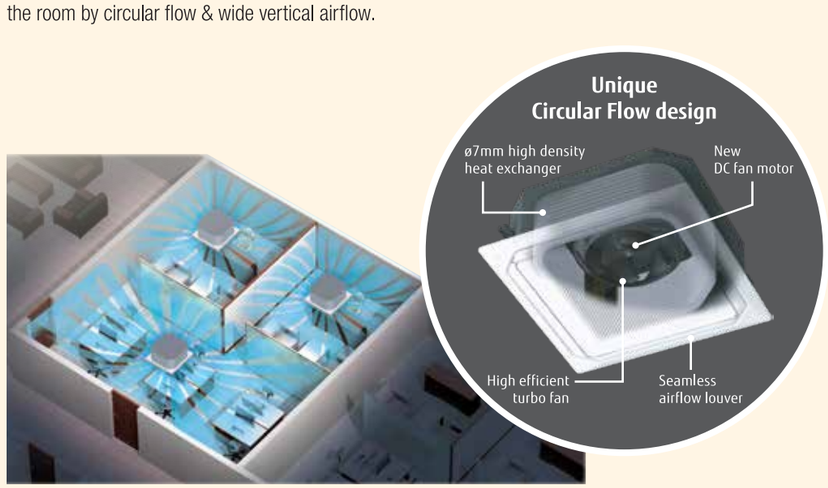
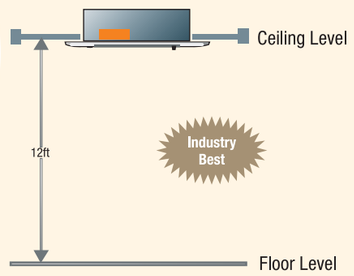
Hyper Tropical Cassette

360° Turbo Flow Design

Cassette type enables all round flow to blow large airflow in 360° direction by mounting high performance DC fan motor, turbo fan and unique seamless airflow louver design and the gaps between each airflow openings are removed, which enables comfortable air conditioning spread to every corner of the room by circular flow & wide vertical airflow.



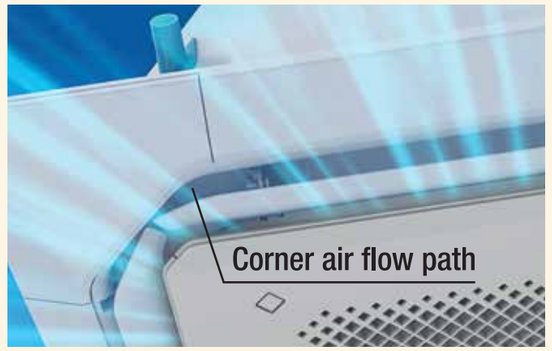
Suitable for High Ceiling



Wide Airflow

Seamless Airflow

Corner Airflow

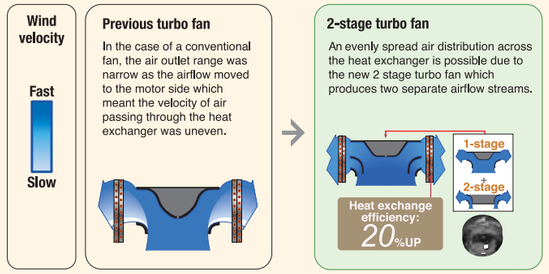


Uniform temperature air conditioning

Eco-Friendly Cassette Air Conditioners

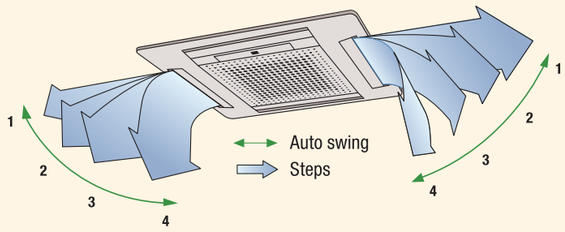
2-Stage Turbo Fan

High efficiency design by 2 stage structure



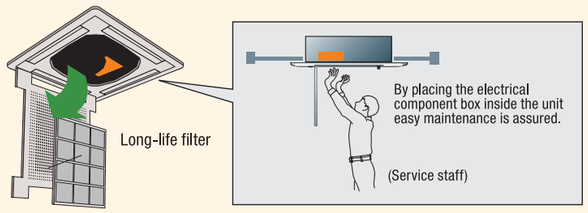
Comfortable Airflow 4 Step Swing

Auto airflow direction and auto swing ensures that supplied air does not blow over the ceiling.



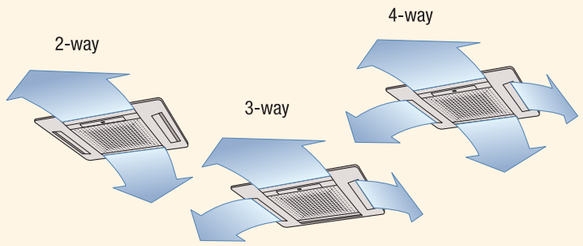
Easy Maintenance

Detachable, washable filter and intake grill.
The control box is easily accessible for maintenance work.
Wide opening for easy access.



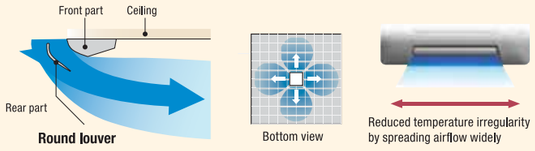
2-4 Way Airflow System

Select 2-way, 3-way or 4-way airflow to suit your needs.



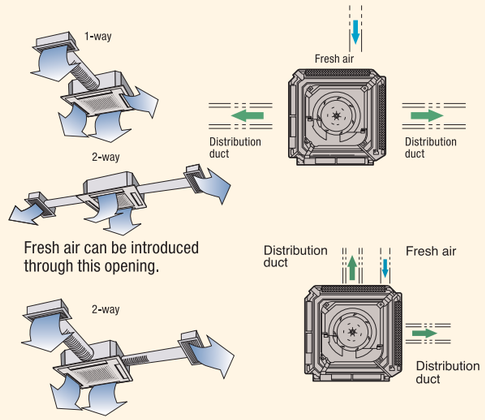
Improvement of the Airflow Distribution

The new louver design enables an airflow that has no air contact with the ceiling. Airflow is moved through the space between the chassis and the ceiling, allowing far and wide airflow distribution.

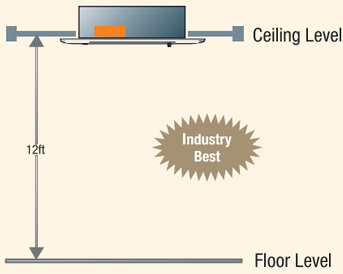


Duct Connection Hole Opening

Conditioned air can be distributed by means of a distribution duct.

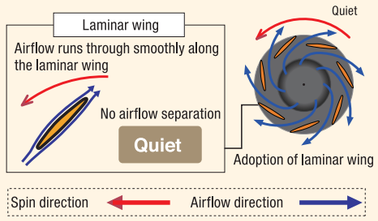


Suitable for High Ceiling



Extremely Quiet

Optimization of wing form (laminar wing type) and wing number (7 blades each) designed by CFD-analysis (fluid) simulations



Large airflow at reduced noise output is achieved by incorporating a large diameter variable pitch turbo fan.

HYPER TROPICAL CASSETTE

EXTREME COOLING I 360° TURBO FLOW

Cooling AUGA25FRTA-B

Hyper Tropical Rotary Compressor

Eco-friendly Refrigerant

360° TURBO FLOW

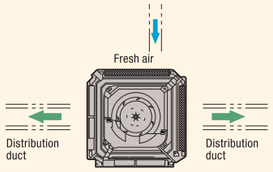
CONNECTABLE DISTRIBUTING DUCT

WEEKLY TIMER

QUIET OPERATION

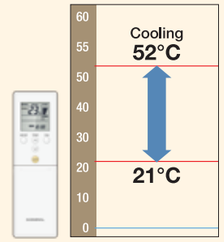
SELF DIAGNOSIS

Fresh Air Intake & Distribution Duct



High Lift Drain Pump

Ambient Operating Range



TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	AUGA25FRTA-B
BEE ISEER Star Rating	-	3.0
Tonnage	TR	2.0
Power Supply	Ph-Hz-V	1ϕ-50-230
Running Current	A	8.5
Standard Cooling at 100% Capacity	W	6680
	BTU/h	22800
Power Consumption at 100% Capacity	W	1850
EER	W/W	3.61
Rated ISEER		3.61
Electricity Consumption Per Annum	kWh	1432
Moisture Removal	l/h	2.3
Indoor Airflow Volume-High	m^3/h	1150
Indoor Unit Dimensions HxWxD	mm	246 × 840 ×840
Indoor Unit Net Weight	kg	24
Grille Dimensions HxWxD	mm	53*950*950
Outdoor Unit Dimensions HxWxD	mm	830 × 900 ×330
Outdoor Unit Net Weight	kg	63
Connnection Pipe (Gas, Liquid)	inch	5/8, 1/4
	mm	15.88, 6.35
Pipe Length Min~Max (Pre-charged)	m	7.5~25 (7.5)
Max Height Difference	m	15
Max Operating Temperature	°C	52°C
Refrigerant Type	-	R410A
Compressor Type	-	Hyper Tropical Rotary

*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas and above 10mts/15 mts/20mts as per installation manual. The noise level is the value when measured in an anechoic room.

ECO FRIENDLY CASSETTE

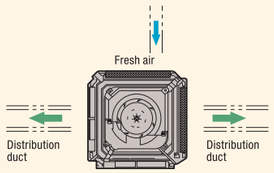
WIRED REMOTE

R410A
Eco-friendly Refrigerant

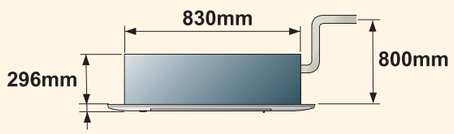
Cooling AUG36FUAS / AUG54FUAS

CONNECTABLE DISTRIBUTING DUCT | PROGRAM TIMER | WEEKLY + SETBACK TIMER | QUIET OPERATION | SELF DIAGNOSIS

Fresh Air Intake & Distribution Duct



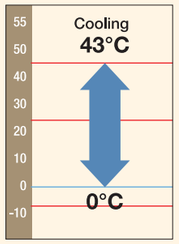
High Lift Drain Pump




Wireless Remote (optional)

Wired Remote

Ambient Operating Range



TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	AUG36FUAS	AUG54FUAS
Tonnage	TR	3.0	4.0
Power Supply	Ph-Hz-V	3φ-50-400	
Running Current	A	6.2	9.5
Standard Cooling at 100% Capacity	W	10500	14500
Power Consumption at 100% Capacity	W	3740	5160
EER	W/W	2.81	2.81
Moisture Removal	l/h	4.0	6.0
Indoor Airflow Volume-High	m^3/h	1500	1700
Indoor Unit Dimensions HxWxD	mm	296x830x830	296x830x830
Indoor Unit Net Weight	kg	37	40
Grille Dimensions HxWxD	mm	35x940x940	35x940x940
Outdoor Unit Dimensions HxWxD	mm	1165x900x330	1290x900x330
Outdoor Unit Net Weight	kg	80	114
Connnection Pipe (Gas, Liquid)	inch	5/8, 3/8	3/4, 3/8
	mm	15.88/9.53	19.05/9.53
Pipe Length Min~Max (Precharged)	m	3~50 (20)	3~50 (20)
Max Height Difference	m	30	30
Max Operating Temperature	°C	43°C	43°C
Refrigerant Type	Non-CFC	R410A	R410A
Compressor Type	-	Rotary	Scroll

*Specifications, design and features are subject to change without prior notice for further development. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.Pipe length : 5.0 m Voltage : 230 [V]. Piping can be extended to above length for full efficiency with additional charge of gas and above 10mts/15 mts/20mts as per installation manual. The noise level is the value when measured in an anechoic room. Standard length of wired remote is 10m, which can be extended upto 500m. Wire spec is 22 AWG (0.33mm2).

ECO-FRIENDLY WINDOW

COMPACT DESIGN

TROPICAL SPEC

Cooling AKGB09FAWA-B / AKGB09FAWB-B

Cooling AMGB12FAWA-B / AMGB12FAWB-B

~46°C
Tropical Rotary Compressor

R410A
Eco-friendly Refrigerant

FRESH AIR INTAKE | CATECHIN FILTER | BLUE FIN CONDENSER | AUTO RESTART | QUIET OPERATION

Strong Power

The efficiency-improved compressor or heat exchanger quickly changes your room into a comfortable environment. Pursuit of optimum comfort through innovative “Powerful” operation.

Quiet Operation

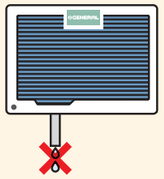
Quiet operation is enabled even while the fan is working on high mode.“Quiet” operation enables comfortable sleep.

Catechin Filter

The Catechin Filter filtrates pollen and dust particles to keep air fresh.

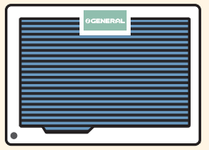
Non-Drip Design

Non-drip design No drain piping work is necessary (in humid location or operate for an extended period may require to install a Drain boat for better drainage).



Blue Condenser Fins

The blue coating on the aluminum fins provides improved anti-rust performance.



Wide Airflow

The louver automatically swings to right and left. “Wide airflow”. Gives you a comfortable and satisfactory environment.

TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	AKGB09FAWA-B AKGB09FAWB-B	AMGB12FAWA-B AMGB12FAWB-B
BEE ISEER Star Rating	-	2	4
Tonnage	TR	0.75	1.1
Power Supply	Ph-Hz-V	1φ-50-230	
Running Current	A	4.1	5.1
Standard Cooling at 100% Capacity	W	2500	3800
Power Consumption at 100% Capacity	W	887	1155
EER	W/W	2.82	3.29
Rated ISEER	kWh/kWh	2.82	3.29
Electricity Consumption per Annum	kWh	687	878
Moisture Removal	l/h	1.0	1.15
Airflow Volume-High	m^3/h	350	650
Unit Dimensions HxWxD	mm	350x450x580	428x660x700
Unit Net Weight	kg	34	50
Indoor Noise Level (Quiet)	dB(A)	46	48
Outdoor Noise Level	dB(A)	52	55
Max Operating Temperature	°C	46°C	46°C
Refrigerant Type	Non-CFC	R410A	R410A
Compressor Type	-	Rotary	Rotary

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HYPER TROPICAL WINDOW

EXTREME COOLING I EXTREME AIRFLOW

Advanced HYPER TROPICAL SPEC

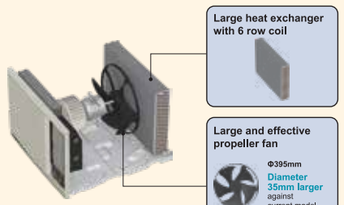
Cooling AXGT18FHTC-B / AXGT24FHTC-B

~55°C
Advanced Hyper Tropical Rotary Compressor

R410A
Eco-friendly Refrigerant

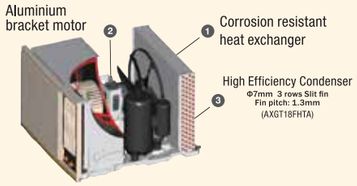
SUPER WAVE TECHNOLOGY | REAR CABINET PROTECTION | 6 ROW COIL (24FHTC) | MILDEW RESISTANT FILTER | AUTO RESTART

Advanced Technology



High Reliability

Adapting super protection against dust and corrosion.



Super Power / Super Wave

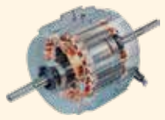
Long louver provides wide airflow

◄ New, long louver

Wide airflow

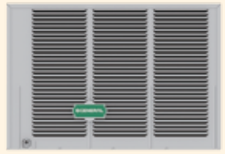
Fujitsu Fan Motor

Efficient, state-of-the-art Fujitsu-Japan fan motor with BSS sealing,CRS ball bearing and aluminum fin.



Rear Cabinet Protection

The only AC with a backside cover for additional protection to heat exchanger from sun and sand.



Mildew Resistant Filter

Prevents mould formation

TECHNICAL SPECIFICATIONS

PARAMETERS	UNITS	AXGT18FHTC-B	AXGT24FHTC-B
BEE ISEER Star Rating	-	3	3
Tonnage	TR	1.5	2.0
Power Supply	Ph-Hz-V	1Φ-50-230	
Running Current	A	8.2	9.9
Standard Cooling at 100% Capacity	W	5370	6450
Power Consumption at 100% Capacity	W	1800	2220
EER	W/W	2.98	2.91
Rated ISEER	kWh/kWh	2.98	2.91
Electricity Consumption per Annum	kWh	1394	1719
Moisture Removal	l/h	2.0	2.0
Airflow Volume-High	m^3/h	940	990
Unit Dimensions HxWxD	mm	455x670x710	455x670x710
Unit Net Weight	kg	56	62
Indoor Noise Level (Quiet)	dB(A)	51	53
Outdoor Noise Level	dB(A)	56	59
Max Operating Temperature	°C	55°C	55°C
Refrigerant Type	Non-CFC	R410A	R410A
Compressor Type	-	Advanced Hyper Tropical Rotary	Advanced Hyper Tropical Rotary

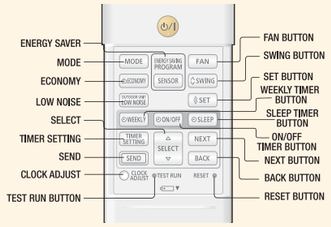
*Specifications, design and features are subject to change without prior notice for further development. The above models conform to energy labelling as per BEE regulation. Specifications are based on the following conditions. Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB. Voltage : 230 [V]. The noise level is the value when measured in an anechoic room.

FEATURE PACKED REMOTE CONTROLLERS

Inverter Split Air Conditioners

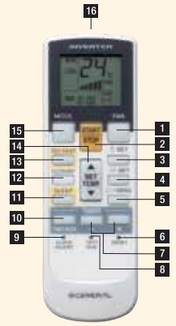
E Tropical Inverter Series

EFFICIENT & TROPICAL INVERTER



(ASGG12/14/18/24CGTA-B)

INVERTER - HOT & COLD

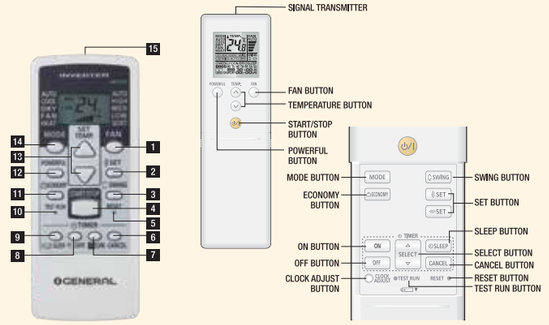


1 FAN BUTTON
2 START/STOP BUTTON
3 SET BUTTON (VERTICAL)
4 SET BUTTON (HORIZONTAL)
5 SWING BUTTON
6 RESET BUTTON
7 TIMER SET (- / +) BUTTON
8 TEST RUN BUTTON
9 CLOCK ADJUST BUTTON
10 TIMER MODE BUTTON
11 SLEEP BUTTON
12 ECONOMY BUTTON
13 10°C HEAT BUTTON
14 SET TEMP.(▲/▼) BUTTON
15 MODE BUTTON
16 SIGNAL TRANSMITTER

(ASGG18/24/LFCD-B)

(ASGG30LFCE-B)

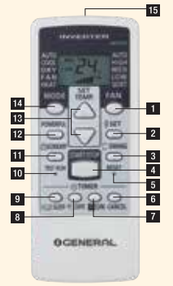
HYPER TROPICAL INVERTER WITH CPTA TECHNOLOGY



(ASGG12/18CPTA-B) (ASGG24CPTA-B)

1 FAN BUTTON
2 SET BUTTON
3 SWING BUTTON
4 START/STOP BUTTON
5 RESET BUTTON
6 TIMER CANCEL BUTTON
7 ON TIMER BUTTON
8 OFF TIMER BUTTON
9 SLEEP TIMER BUTTON
10 TEST RUN BUTTON
11 ECONOMY BUTTON
12 POWERFUL BUTTON
13 SET TEMP.(▲/▼) BUTTON
14 MODE BUTTON
15 SIGNAL TRANSMITTER

HYPER TROPICAL INVERTER

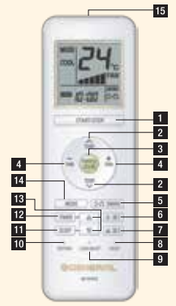


1 FAN BUTTON
2 SET BUTTON
3 SWING BUTTON
4 START/STOP BUTTON
5 RESET BUTTON
6 TIMER CANCEL BUTTON
7 ON TIMER BUTTON
8 OFF TIMER BUTTON
9 SLEEP TIMER BUTTON
10 TEST RUN BUTTON
11 ECONOMY BUTTON
12 POWERFUL BUTTON
13 SET TEMP.(▲/▼) BUTTON
14 MODE BUTTON
15 SIGNAL TRANSMITTER

(ASGG14/18/24CLCA-B)

Fixed Speed Split Air Conditioners

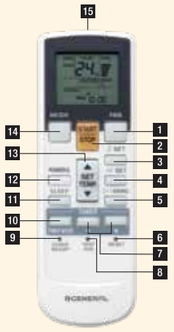
TROPICAL INNOVATION SPLIT



1 START/STOP BUTTON
2 TEMPERATURE BUTTONS
3 POWERFUL COOLING BUTTON
4 FAN BUTTONS
5 SWING BUTTON
6 SET BUTTON (VERTICAL)
7 SET BUTTON (HORIZONTAL)
8 RESET BUTTON
9 CLOCK ADJUST BUTTON
10 TEST RUN BUTTON
11 SLEEP BUTTON
12 TIMER BUTTON
13 TIMER SET (- / +) BUTTON
14 MODE BUTTON
15 SIGNAL TRANSMITTER

(ASGA18/24/30/36FUTC-B, ASGA18/30FUTD-B)

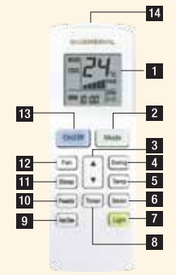
HYPER TROPICAL SPLIT



1 FAN BUTTON
2 START/STOP BUTTON
3 SET BUTTON (VERTICAL)
4 SET BUTTON (HORIZONTAL)
5 SWING BUTTON
6 RESET BUTTON
7 TIMER SET (- / +) BUTTON
8 TEST RUN BUTTON
9 CLOCK ADJUST BUTTON
10 TIMER MODE BUTTON
11 SLEEP BUTTON
12 POWERFUL BUTTON
13 SET TEMP.(▲/▼) BUTTON
14 MODE BUTTON
15 SIGNAL TRANSMITTER

(ASGA18/22FTTC-B, ASGA22FTTD-B)

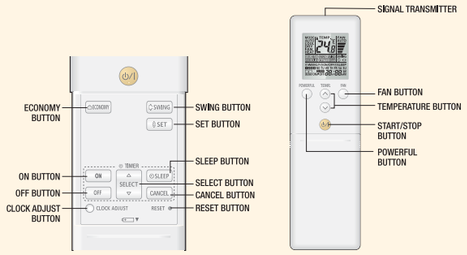
ECO-FRIENDLY SPLIT



1 REMOTE CONTROLLER DISPLAY
2 MODE BUTTON
3 SET TEMP.(▲/▼) BUTTON
4 SWING BUTTON
5 TEMPRATURE BUTTON
6 SENSOR BUTTON
7 LIGHT BUTTON
8 TIMER BUTTON
9 AUTO CLEAN BUTTON
10 POWERFUL BUTTON
11 SLEEP BUTTON
12 FAN BUTTON
13 START/STOP BUTTON
14 SIGNAL TRANSMITTER

(ASGA12BMWA-B)

HYPER TROPICAL CASSETTE



(AUGA25FRTA-B)

Feature Explanation

Up / Down Swing Flaps
The up/down flaps automatically swing up and down.

Left / Right Swing Flaps
The left / right flaps automatically swing left and right.

Double Swing Automatic - 3d
Complex swing action of flaps enables automatic swing in both horizontal and vertical directions, which enables 30 unique configurations

Automatic Airflow Adjustment
The micro-computer automatically adjusts the airflow effectively to follow the changes in room temperature.

Auto Restart
In the event of a temporary power failure, the air conditioner will automatically restart in the same operating mode as before, once the power supply is restored.

Auto-Changeover
The unit automatically switches between heating and cooling modes based on the temperature setting and the room temperature

10°C Heat Operation
The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.

Fresh Air Intake
Fresh air can be taken in by a fan which can be connected using an external control unit.

Economy Mode
Limits the maximum operation current, and performs operations with the power consumption suppressed.

Powerful Mode
Operates at maximum airflow and compressor speed to quickly make the room comfortable.

Sleep Timer
The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.

Program Timer
This digital timer allows selection of one of four options: ON, OFF, ON→OFF or OFF→ON.

Long Pipe
Easy and extended location of indoor unit to outdoor unit with full efficiency.

Removable and Washable Panel
Easy removal and cleaning of the flat front panel of the IDU.

Weekly + Setback timer
Weekly + Setback timer can set temperature for two time spans and for each day of the week.

AFM Technology
Advanced Frequency Modulation Technology increases the maximum speed and efficiency of the compressor.

Connectable Distributing Duct
Can make extension of supply air.

Weekly Timer
Different ON-OFF times can be set for each day.

Rear Cabinet Protection
To protect the coil from damages due to sun and sand.

Mildew Resistant Filter
Prevents mold formation.

Power Diffuser
An additional louver that opens based on monitoring sensors to quickly enhance immediate comfort needs.

Apple-Catechin Filter
The Apple-catechin filter uses static electricity to clean fine particles and dust in the air.

5 Speed Control
Provides airflow control in 5 steps from powerful to quiet operation.

6 Speed Control
Provides airflow control in 6 steps from powerful to quiet operation.

Connectable Fresh Air Duct

Super Wave Technology
The unique design of the vertical louvers in front will enable the air sweep at wider angle for better distribution.

Blue Fin Condenser
Adoption of strong blue fin hydrophillic coated heat exchanger provides protection against rust and salt damage.

Anti Corrosion IDU
Prevents refrigerant leak by coating the heat exchanger with an epoxy resin.

Power Airflow Dual Flaps
Can flatten out during cooling operation to deliver cool air to the corners of the room.

Wide Angle Louvers
The smoothly curved wide angle louvers provide wide airflow coverage for effective cooling independent of indoor unit placement in room.

Dry Function
Automatically reduces the level of humidity and maintains the preset temperature.

Quiet Operation
High efficiency fan construction and large independently driven diffuser ensures quiet operation.

Corrosion Resistant ODU
The outdoor unit's heat exchanger fins are processed with special coating to avoid salt and acid corrosion.

Compressor Insulation Blanket
Sound insulation blanket and rubber mounting on compressor, reduces the noise.

Condenser Protection Grill
Protects the condenser from damage

Powder Coated Outdoor Unit
Powder coated body ensures extra protection from corrosion.

Inner Groove Copper Tube
IGT copper tube heat exchanger ensures better performance.

BLDC Motor Indoor Unit
Specially designed BLDC motor for smooth & energy efficient operation.

Wireless Remote Controller
For ease of operation.

Wired Remote Controller
Programmable wired remote, for ease of operation in busy commercial spaces.

Coanda Airflow technology
Cold air is discharged along the ceiling and is delivered far away for long reach and comfortable cooling and to avoid direct air blast on body.

Hyper Tropical Spec
Tropical design for high ambient operation upto 52°C.

Tropical Spec
Tropical design for high ambient operation upto 46°C/48°C.

Advanced Hyper tropical spec
Tropical design for high ambient operation upto 55°C.

Energy Saving mode
This mode raises the set temperature slightly in the cooling mode and lowers the set temperature in the heating mode to economically control the operation of the unit.

Dual suction Intake Design
Warm air is sucked in through dual intakes enabling larger volume of air to be cooled for fast and effective cooling

Ion Deodorization Filter
The filter deodorizes by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

Auto Moisture Prevent
During Cooling and Dry modes if the vertical air direction louvers are operated outside their proper operating range of (1) - (3) for more than 20 minutes, they will automatically return to the (3) level in order to prevent moisture condensation and water dropping from the air outlet. This can be disabled by following simple steps as mentioned in the operation manual.

Human Sensor
Human sensor detects movement of people in the room and judges whether energy saving operation is required or not.

6 Row Coil
Enables faster and efficient cooling.

Filter Sign
Indicates the filter cleaning period by lamp.

Self Diagnosis
Enables automatic detection of errors in the unit for easy trouble shooting.

Washable Panel
Since the front panel is easy to remove, maintenance is also easy.

360° Turbo Flow
All round airflow in 360° direction.

Silicon Coated PCB
Silicon coating on PCB protects from dust, water and humidity.

Feature Summary

	FEATURES	INVERTER - COOLING			INVERTER-HOT & COLD	SPLIT - COOLING			CASSETTE - COOLING	
		ASGG12CGTA-B ASGG14CGTA-B ASGG18CGTA-B ASGG24CGTA-B	ASGG14CLCA-B ASGG18CLCA-B ASGG24CLCA-B	ASGG12CPTA-B ASGG18CPTA-B ASGG24CPTA-B	ASGG18LFCD-B ASGG24LFCD-B ASGG30LFCE-B	ASGA18FUTC-B ASGA18FUTD-B ASGA24FUTC-B ASGA30FUTD-B ASGA30FUTC-B ASGA36FUTC-B	ASGA18FTTC-B ASGA22FTTC-B ASGA22FTTD-B	ASGA12BMWA-B	AUG25FRTA-B	AUG36FUAS AUG54FUAS
COMFORT	UP / DOWN FLAPS	O	O	O	O	O	O	O	O	O
	LEFT / RIGHT SWING FLAPS	-	-	O (24)	-	O	O	-	-	-
	DOUBLE SWING AUTOMATIC -3D	O (24)	-	O (24)	O	O	O	-	-	-
	360 TURBO FLOW	-	-	-	-	-	SINGLE	-	O	-
	POWER AIRFLOW-DUAL FLAPS	SINGLE	O	SINGLE	O	O	SINGLE	SINGLE	-	-
	WIDE ANGLE LOUVERS	O	O	O	O	O	O	O	O	-
	POWER DIFFUSER	-	-	-	O	-	O	-	-	-
	AUTOMATIC AIRFLOW ADJUSTMENT	O	O	O	O	O	O	O	O	O
	10C HEAT OPERATION	-	-	-	O	-	-	-	-	-
	COMPRESSOR INSULATION BLANKET	O	O	O	O	O	O	O	O	O
	QUIET OPERATION	O	O	O	O	O	O	O	O	O
	DRY FUNCTION	O	O	O	O	O	O	O	O	O
	AUTO - CHANGEOVER	-	-	-	O	-	-	-	-	-
	AUTO - MOISTURE PREVENTION	-	-	-	O	-	O	-	-	-
	CONNECTABLE DISTRIBUTING DUCT	-	-	-	-	-	-	-	O	O
	CONNECTABLE FRESH AIR DUCT	-	-	-	-	-	-	-	O	O
	ENERGY SAVING MODE	-	-	-	-	-	-	-	-	O
	ADVANCED FREQUENCY MODULATION	O	O	O	O (24)	-	-	-	-	-
	COANDA AIRFLOW	O 10m/10m/15m/15m	O 10m/15m/15m	O 10m/15m/15m	O 15m	O 18m/20m/25m/25m	O 15m	O 10m	-	-
	MILDEW RESISTANT FILTER	O	O	O	O	O	O	O	O	O
	ION DEODORIZATION FILTER	-	-	-	O	-	-	-	-	-
	APPLE - CATECHIN FILTER	-	-	-	O	-	-	-	-	-
	FAN SPEED CONTROL	5	5	5	4	6	-	5	4	4
	WASHABLE PANEL	-	O	O	O	-	O	O	O	O
	SLEEP TIMER	O	O	O	O	O	O	O	-	-
	HUMAN SENSOR	O	-	-	-	-	-	-	-	-
	ECONOMY MODE	O	O	O	O	-	-	-	O	-
	FILTER SIGN	-	-	O	O	-	-	-	O	-
	WIRELESS REMOTE CONTROLLER	O	O	O	O	O	O	O	O	-
	WIRED REMOTE CONTROLLER	-	-	-	-	-	-	-	-	O
CONVENIENCE	AUTO RESTART	O	O	O	O	O	O	O	-	O
	LONG PIPE	O (18/24)	-	O	O	O	O	-	O	O
	PROGRAM TIMER	O	O	O	O	O	O	O	-	O
	WEEKLY TIMER	O	-	-	-	-	-	-	O	-
	WEEKLY + SETBACK TIMER	-	-	-	-	-	-	-	-	O
LONG LIFE	ANTI CORROSION TREATMENT FOR ODU AND HEAT EXCHANGER FINS	O	O	O	O	O	O	O	O	O
	ANTI CORROSION IDU	-	-	O	-	-	-	-	-	-
	POWDER COATED OUTDOOR UNIT	O	O	O	O	O	O	O	O	O
	SILICON COATED PCB	-	-	O	-	-	-	-	-	-
	BLUE FIN CONDENSER	-	-	O	O (30)	O			-	-
	CONDENSOR PROTECTION GRILL			O						
PERFORMANCE	POWERFUL MODE	O	O	O	-	O	O	O	-	-
	BLDC MOTOR INDOOR UNIT	O	O	O	O	-	-	-	O	-
	INNER GROOVE COOPPER UNIT	O	O	O	O	O	O	O	O	O
	DUAL SUCTION INTAKE DESIGN	-	-	-	-	O	-	-	-	-
	SELF DIAGNOSIS	O	O	O	O	O	O	O	O	O
	OPERATING VOLTAGE RANGE	155V~265V	155V~265V	155V~280 V (12/18) 155V~265V (24)	198V~264V	198V~264V	198V~264V	185V~264V	155V~265V	400V
	TROPICAL SPEC	52ÀC	52ÀC	55ÀC	46ÀC	52ÀC	52ÀC	48ÀC	52ÀC	43ÀC

Feature Summary

WINDOW

Features	AKGB09FAWA-B AKGB09FAWB-B	AMGB12FAWA-B AMGB12FAWB-B	AXGT18FHTC-B	AXGT24FHTC-B
Automatic Airflow Adjustment	o	o	o	o
Super Wave Technology	-	-	o	o
Left / Right Swing Flaps	o	o	o	o
Powerful Mode	-	-	o	o
Fresh Air Intake	o	o	-	-
Wireless Remote Controller	o	o	o	o
Auto Restart	o	o	o	o
Advanced Hyper Tropical Rotary Compressor	-	-	o	o
Quiet Operation	o	o	o	o
Washable Panel	o	o	o	o
Compressor Insulation Blanket	-	-	o	o
Rear Cabinet Protection	-	-	o	o
Mildew Resistant Filter	o	o	o	o
Catechin Filter	o	o	-	-
Sleep Timer	o	o	o	o
5 Year Warranty on Compressors	o	o	o	o
Number of Rows of Condenser Coil	3	2	5	6
Anti -Corrosion treatment for outer body and heat exchanger fins	o	o	o	o
Blue Fin Condenser	o	o	-	-
Operating Voltage Range	193V~253V	193V~253V	198V~253V	198V~253V
Tropical Spec	46°C	46°C	55°C	55°C

INVERTER AIR CONDITIONER - INSTALLATION CHECK POINTS

	Unit Capacity	1.0-Ton	1.0-Ton	1.2-Ton	1.2-Ton	1.5-Ton	1.5-Ton	1.5-Ton	2.0-Ton	2.0-Ton	2.0-Ton	1.5-Ton	2.0-Ton	2.5-Ton
	Model No.	**ASGG12CGTA-B**	**ASGG12CPTA-B**	**ASGG14CGTA-B**	**ASGG14CLCA-B**	**ASGA18CGTA-B**	**ASGG18CLCA-B**	**ASGA18CPTA-B**	**ASGA24CGTA-B**	**ASGG24CLCA-B**	**ASGG24CPTA-B**	**ASGG18LFCD-B**	**ASGG24LFCD-B**	**ASGG30LFCE-B**
Check for Main power supply	Main wiring size	2.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm
	Main Power Supply at	OUTDOOR UNIT												
	Main power Source P & N	230 Volts / 1 Phase												
	Proper earthing	Mandatory												
	Main power N & E	± 3 Volts												
ODU to IDU Wiring	Maximum Current-Amps (Cooling/Heating)	6.5 Amps	7.0 Amps	9.0 Amps	5.3 Amps	9.0 Amps	9.0 Amps	10.5 Amps	11.0 Amps	13.5 Amps	13.5 Amps	9/12.5Amps	13.5/18.5Amps	17.0/19.0Amps
	Connection cord (mm2)	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm
	No of core ODU to IDU													
Piping size & Thickness	Type of Gas	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32	R410A	R410A	R410A
	Copper Pipe Thickness	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm
	Pipe size-Liquid (Inch)/mm	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	3/8" (9.52 mm)
	Pipe size-Suction (Inch)/mm	3/8" (9.52 mm)	3/8" (9.52 mm)	3/8" (9.52 mm)	3/8" (9.52 mm)	1/2" (12.7 mm)	3/8" (9.52 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)	1/2" (12.7 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)
Never Use The Old Installation Pipe For New System.														
Pipe limitation & Additional Ref charge	Minimum Pipe Length													
	Max Pipe Length (A+B)	20 m	20 m	20 m	20 m	20 m	20 m	20 m	30 m	30 m	25 m	25 m	30 m	50 m
	Maximum Height (B)	15 m	15 m	15 m	15 m	15 m	15 m	15 m	25 m	25 m	20 m	20 m	20 m	30 m
	Pre-Charged Refrigerant	850 gms	450 gms	850 gms	630 gms	850 gms	850 gms	700 gms	1320 gms	1100 gms	1020 gms	1200 gms	1800 gms	2100 gms
	Standard Refrigerant Pre-Charged	7.5 m	10 m	7.5 m	15 m	15 m	15 m	10 m	15 m	15 m	15 m	15 m	15 m	20 m
	Additional Charge	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	40 gms/m

SPLIT AIR CONDITIONER - INSTALLATION CHECK POINTS

	Unit Capacity	1.0-Ton	1.5-Ton	1.8-Ton	1.5-Ton	2.0-Ton	2.5-Ton	3.0-Ton
Unit detail	**Model no**	**ASGA12BMWA-B**	**ASGA18FTTC-B**	**ASGA22FTTC-B ASGA22FTTD-B**	**ASGA18FUTC-B ASGA18FUTD-B**	**ASGA24FUTC-B**	**ASGA30FUTC-B ASGA30FUTD-B**	**ASGA36FUTC-B**
Check for Main power supply	Main wiring size	2.5 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm	4 Sq. mm
	Main Power Supply at	**OUTDOOR UNIT**						
	Main power Source P & N	230 Volts / 1 Phase						
	Proper earthing	Mandatory						
	Main power N & E	± 3 Volts						
ODU to IDU Wiring	Maximum Current-Amps	10.0 Amps	12.5 Amps	15.9 Amps	10.0 Amps	14.0 Amps	17.0 Amps	24.0 Amps
	Connection cord (mm2)	1.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	1.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm	2.5 Sq. mm
	No of core ODU to IDU	4 Core wire						
Piping size & Thickness	Type of Gas	R32	R410A	R410A	R410A	R410A	R410A	R410A
	Copper Pipe Thickness	0.8 mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm	Liq 0.8mm/Gas 1mm
	Pipe size-Liquid (Inch)/mm	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35mm)	1/4" (6.35mm)	3/8" (9.52 mm)	3/8" (9.52 mm)
	Pipe size-Suction (Inch)/mm	1/2" (12.7 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)	5/8" (15.88 mm)
Never Use The Old Installation Pipe For New System.								
Pipe limitation & Additional Ref charge	Minimum Pipe Length	3m						
	MAX Pipe Length (A+B)	20m	20m	20m	20m	20m	30m	50m
	Maximum Height (B)	10m	8m	8m	8m	8m	15m	30m
	Pre-Charged Refrigerant	640 gms	1400 gms	1800 gms	1200 gms	1600 gms	2450 gms	3500gms
	Standard Refrigerant Pre-Charged for	7.5m	7.5m	7.5m	7.5m	7.5m	7.5m	20m
	Additional Charge	12 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	20 gms/m	40 gms/m

Notes