

Light Commercial & Residential SPLIT & MULTI-SPLIT

Energy saving design to provide a comfortable indoor environment while being environment-friendly.

These are air conditioners that are both user-friendly and environment-friendly. Fujitsu General air conditioners cater to a wide range of needs, from living rooms, bedrooms, stores, small offices, through to hotels.

SPLIT

- Refrigerant R32 models
 - Wall-mounted type
 - Cassette
 - Duct
 - Floor
 - Ceiling
- Refrigerant R410A models
 - Duct

MULTI-SPLIT

- Refrigerant R32 models
 - 2-unit to 5-unit Multi-split
 - Simultaneous Multi-split Twin/Triple
- Refrigerant R410A models
 - 6-unit Multi-split
 - Simultaneous Multi-split Twin/Triple/Double Twin



SPLIT & MULTI-SPLIT

Light Commercial &
Residential



Light Commercial & Residential SPLIT

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Refrigerant R32 models

Wall-mounted type - Built in W-LAN adapter model

- S-016 Designer Range
 - High Spec & Design
 - Cool Beauty Design
- S-020 Standard Range - High-Efficiency & Comfort
- S-022 ECO Range - Compact Size

Wall-mounted type

- S-024 Standard Range
 - High-Efficiency & Large Rooms
- S-028 ECO Range
 - Compact Size
 - Comfort for Large Rooms
 - Cooling-enhanced type

Cassette

- S-034 Compact 4-way Flow Range - Compact Size
- S-036 Circular Flow Range - Comfort for Large Rooms

Duct

- S-038 Slim Duct - Slim Design
- S-040 Medium Static Pressure Duct
 - High-Efficiency & Comfort
 - Compact Size
 - Standard
- S-050 High Static Pressure Duct

Floor, Ceiling

- S-056 Floor - Compact Size
- S-058 Ceiling



Refrigerant R410A models

Duct

- S-052 High Static Pressure Duct
- S-054 Big Duct



Split Overview

Fujitsu General provides its customers with 5 types and 149 models of air conditioning systems perfect for various customer applications and layouts. Added to this lineup recently are the environment-friendly R32 refrigerant models.



Wall-mounted type, Designer Series, Cool Beauty Design

Existing pipes can be reused if they meet our guidelines

Please consult with our regional sales subsidiaries for details.

Cautions when reusing the existing pipes

- The thickness of the pipes must be 0.8 mm or thicker in accordance with the pipe diameter.
- Use flares that have been reworked to be compatible with the new refrigerant, and are compliant with ISO 14903.
- Select suitable wiring in accordance with the installation manual of the new air conditioning unit.
- When pump-down is not possible or when the inner pipe walls are dirty, make sure to clean the pipes before connecting new ones.
- When using different diameters pipes from the standard sizes,
 - The performance may not reach the published specification value.
 - Dedicated flare nuts compliant with ISO 14903 should be procured locally.
 - Restrictions apply to pipe lengths, refrigerant volumes, and room sizes.



Wall-mounted type

Simple and easy to install, all models, are expertly designed to control airflow and save energy. The design, with its flat and simple appeal, perfectly matches room interiors. Many of the models in the lineup adopt the new environmentally friendly R32 refrigerant.



Duct

The main unit is hidden in the wall, making the room look neat and tidy. Mini Duct and Slim Duct models are also available for installation in narrow spaces between beams or above the ceiling. Large models, suitable for air conditioning vast spaces, allow multiple outlets to be installed in just one unit, and are perfect for atypical room layouts.



Cassette

The Cassette type, which blends in perfectly with the interior design, blows air in all four directions to create an even air-conditioning for the entire space. We have a variety of series including Compact models with a uniquely designed panel to match grid ceilings, and Circular Flow models that send airflow in a 360° direction.



Floor

The compact and slim design makes this model suitable for installation in commercial as well as residential buildings. This model is also recommended as a heating device because it delivers a warm airflow from both the top and bottom outlets.



Ceiling

As with the wall-mounted unit, ceiling installation is very easy, and the unit's thin structure with a height of just 240 mm allows neat installation. The powerful airflow that can reach far away from the wide outlet is perfect for large meeting rooms, audiovisual rooms, and other rectangular spaces with a lot of depth.

Indoor Units Lineup



FUJITSU GENERAL (Euro) GmbH participates in the ECP program for AC. Check ongoing validity of certificate: www.eurovent-certification.com

Type	Range	Refrigerant	Model	Class													
				7	9	12	14	18	22	24	30	36	45	54	60	72	90
Wall-mounted type Built in WLAN adapter model	Designer Range High Spec & Design	 Cooling & Heating	 	ASEH07KGTG	ASEH09KGTG	ASEH12KGTG		ASEH14KGTG									
	Designer Range Cool Beauty Design	 Cooling & Heating	 	ASEG07KETF ASEG07KETF-B	ASEG09KETF ASEG09KETF-B	ASEG12KETF ASEG12KETF-B		ASEG14KETF ASEG14KETF-B									
	Standard Range High-Efficiency & Comfort	 Cooling & Heating	 	ASEH07KMCG ASEH07KMCG-B	ASEH09KMCG ASEH09KMCG-B	ASEH12KMCG ASEH12KMCG-B		ASEH14KMCG ASEH14KMCG-B									
	ECO Range Compact Size	 Cooling & Heating	 	ASEH07KNCA	ASEH09KNCA	ASEH12KNCA											
Wall-mounted type	Standard Range High-Efficiency & Large Rooms	 Cooling & Heating	 					ASEG18KMTE			ASEG24KMTE						
	Standard Range High-Efficiency & Large Rooms	 Cooling & Heating	 									ASEH30KMTB	ASEH36KMTB				
	ECO Range Compact Size	 Cooling & Heating	 	ASEG07KPCE	ASEG09KPCE	ASEG12KPCE											
	ECO Range Comfort for Large Rooms	 Cooling & Heating	 					ASEG18KLCA			ASEG24KLCA						
	ECO Range Cooling-enhanced	 Cooling & Heating	 	ASEH07KLTA	ASEH09KLTA	ASEH12KLTA											

Indoor Units Lineup



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www.eurovent-certification.com

Type	Range	Refrigerant	Model	Class													
				7	9	12	14	18	22	24	30	36	45	54	60	72	90
Cassette	Compact 4-way Flow Range Compact Size	 Cooling & Heating			AUXG09KVLA	AUXG12KVLA	AUXG14KVLA	AUXG18KVLA	AUXG22KVLA	AUXG24KVLA							
	Circular Flow Range Comfort for Large Rooms	 Cooling & Heating	 18/22/24 30/36/45/54					AUXG18KRLB	AUXG22KRLB	AUXG24KRLB	AUXG30KRLB	AUXG36KRLB	AUXG45KRLB	AUXG54KRLB			
Duct	Slim Duct	 Cooling & Heating	 09/12/14 18		ARXG09KLLAP	ARXG12KLLAP	ARXG14KLLAP	ARXG18KLLAP									
	Medium Static Pressure Duct High-Efficiency & Comfort	 Cooling & Heating	 12/14/18 22/24 30/36/45/54			ARXH12KMTAP	ARXH14KMTAP	ARXH18KMTAP	ARXH22KMTAP	ARXH24KMTAP	ARXH30KMTAP	ARXH36KMTAP	ARXH45KMTAP	ARXH54KMTAP			
	Medium Static Pressure Duct Compact Size	 Cooling & Heating	 12/14 18/22/24/30 36/45/54			ARXG12KHTAP	ARXG14KHTAP	ARXG18KHTAP	ARXG22KHTAP	ARXG24KHTAP	ARXG30KHTAP	ARXG36KHTAP	ARXG45KHTAP	ARXG54KHTAP			
	Medium Static Pressure Duct Standard	 Cooling & Heating							ARXG22KMLB	ARXG24KMLA	ARXG30KMLA	ARXG36KMLA	ARXG45KMLA				
	High Static Pressure Duct	 Cooling & Heating											ARXG45KHTB	ARXG54KHTB			
		 Cooling & Heating													ARYG60LHTA		
	Big Duct	 Cooling & Heating														ARYG72LHTA	ARYG90LHTA
Floor Compact & Comfort	 Cooling & Heating			AGEG09KVCA	AGEG12KVCA	AGEG14KVCA											
Ceiling	 Cooling & Heating	 18/22 24/30 36/45/54					ABEG18KRTA	ABEG22KRTA	ABEG24KRTA	ABEG30KRTA	ABEG36KRTA	ABEG45KRTA	ABEG54KRTA				

Features

High-Efficiency

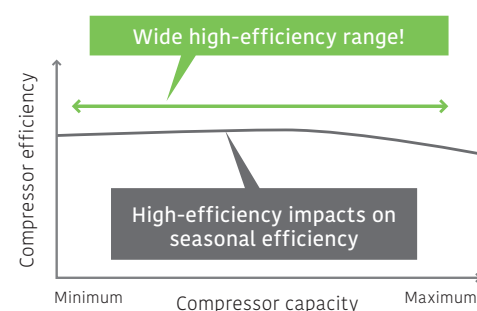
ALL DC All DC Inverter Technology



DC twin-rotary compressor

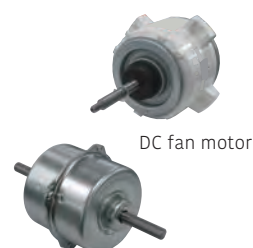
DC twin-rotary compressor

A high-efficiency 2-cylinder rotary compressor with a DC inverter optimizes the internal structure of the compressor to achieve higher energy efficiency compared to similar compressors.



DC fan motor

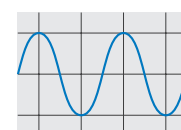
The DC fan motor produces high power, a wide operating range, and high-efficiency.



DC fan motor

Sine-wave DC inverter control

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



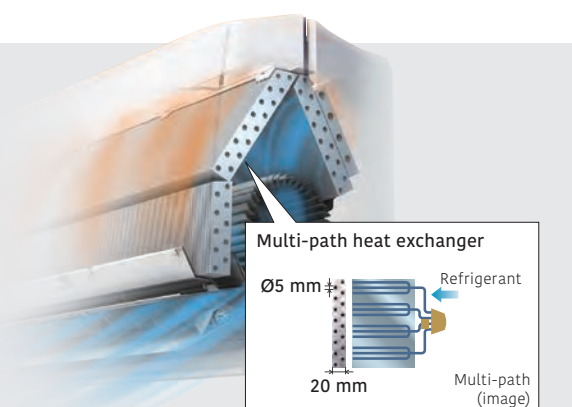
Heat Exchanger for Wall-mounted type

High-density multipath heat exchanger

Thinner and denser heat exchangers and multipath efficiency technology have substantially improved heat exchange performance.

High-performance sub-cool heat exchanger

A counter-type bypass circuit has been incorporated to achieve a higher performance. (Large multi-split type, VRF)

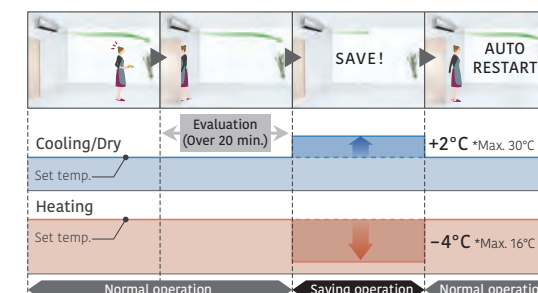


High Energy Saving



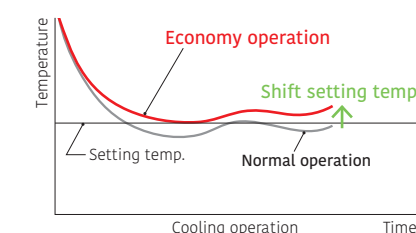
Human sensor control

The Human sensor monitors the movements of people in a room and operates the air conditioner at a lower capacity when people leave the room. When people come back to the room, it automatically returns to the previous operating mode.



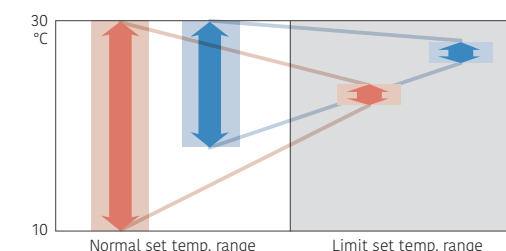
Economy operation

Limits maximum operation, reducing the power consumption, and thereby suppressing the maximum load.



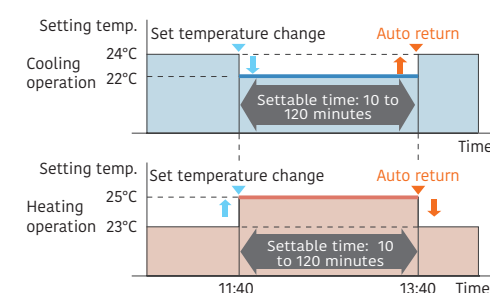
Setting temperature range limitation

The minimum and maximum temperature range can be set giving further energy savings while considering the comfort of the occupants.



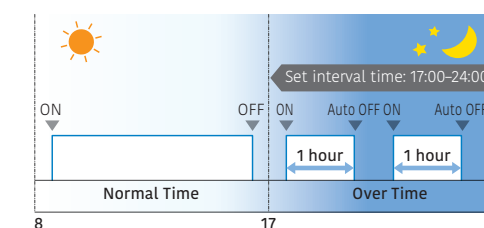
Set temperature auto return

- The set temperature automatically returns to the previously set temperature.
- The time range in which the set temperature can be changed is from 10 to 120 minutes.



Auto-off timer

- The indoor unit is automatically turned off when it reaches a preset operating time frame.
- The time frame of the Auto-off timer can be flexibly scheduled.
- Auto-off times can be set from 30 to 240 minutes.

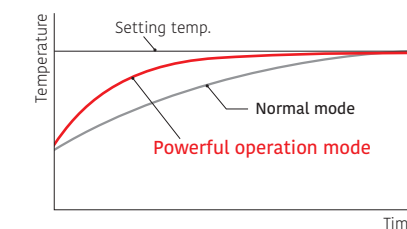


More Comfort



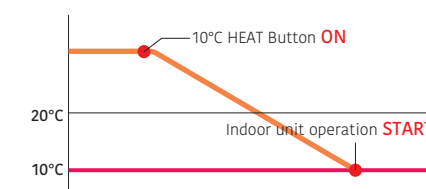
Powerful operation

Maximum airflow and maximum compressor speed are maintained for the period necessary to reach the set temperature quickly.



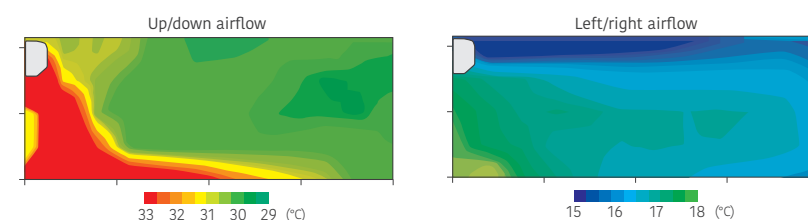
10°C heat

After a person has left the room, the system switches to minimum heating operation to maintain the room temperature. (Maintained at 10°C)



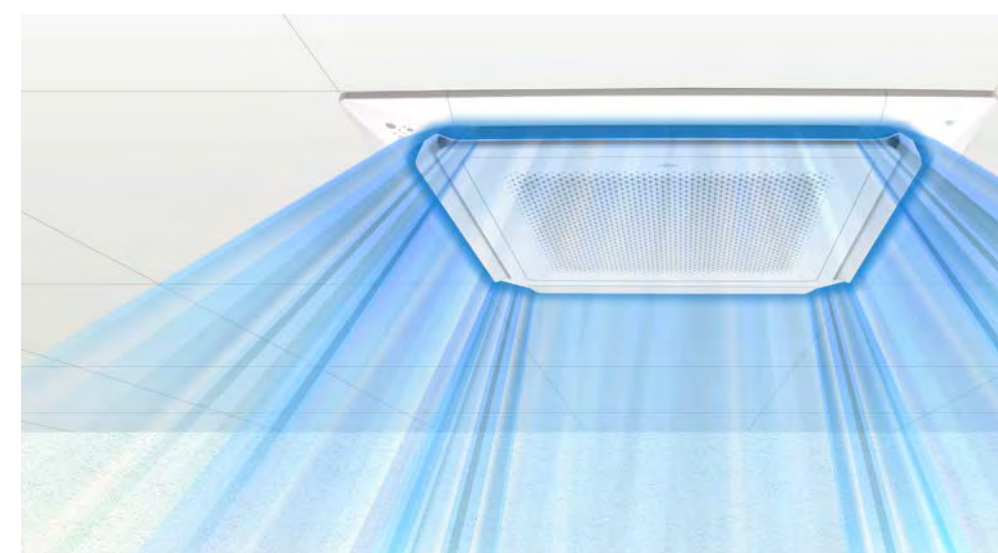
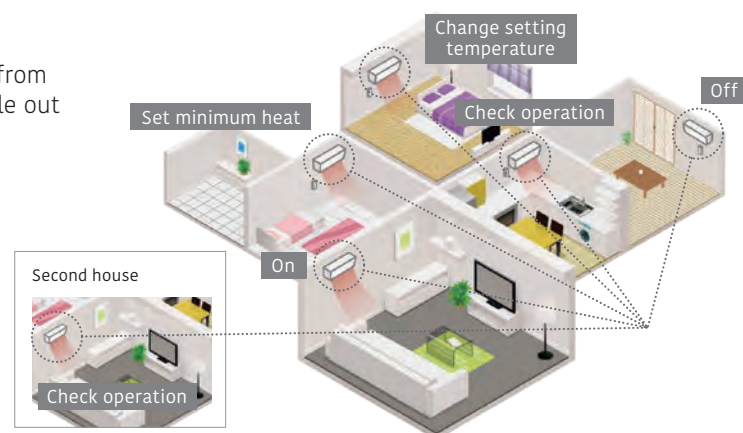
Power diffuser

These three technologies enable precise wind direction control and improve ventilation efficiency; our airflow control offers a more comfortable environment.



Wireless LAN control

Users can control their air conditioners from anywhere with their mobile devices while out or on the move.



Uniform air conditioning

Circular airflow to achieve uniform air conditioning without temperature unevenness in workspaces

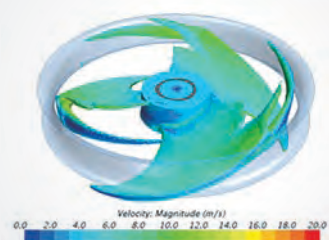


Quiet and Comfort Control

Low Noise Technology

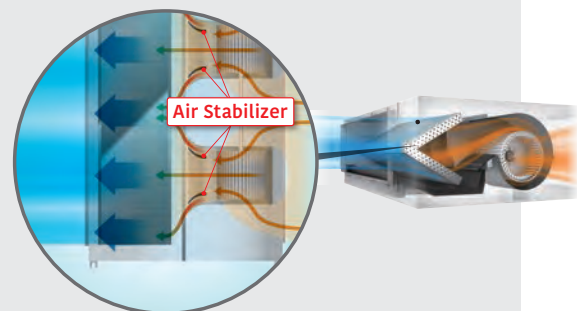
Outdoor unit fan

Outdoor unit fan design with a small separation vortex, minimized air volume by fan control, and top-class low noise



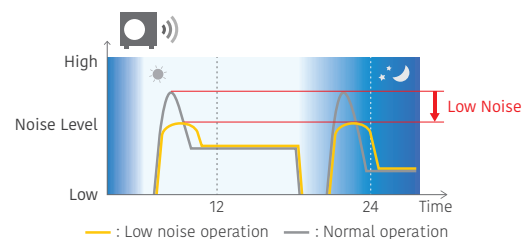
Air stabilizer in Duct

Low-noise duct structure with a built-in air stabilizer



Outdoor unit low noise operation

Users can choose low noise levels, depending on the installation environment. Operation time can be set by timer.

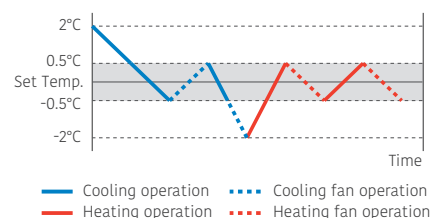


*During Outdoor unit low noise operation, the maximum capacity is reduced, so it may take longer for the room to warm up.

*Even if Outdoor unit low noise operation is set, the operating noise may not decrease if the room temperature is close to the set temperature.

Auto changeover

In an auto setting, the system automatically switches between cooling and heating modes according to the set temperature and room temperature.



Fresh air intake for Cassette, Duct, Ceiling

Fresh air is taken in by a fan connected to an external control unit.



Fresh air intake kit

Feature Explanation

Energy-Saving Features



Save Human sensor

The Human sensor detects the movement of people in the room and determines whether to switch to energy saving operation.



Setting temperature range limitation

Sets the minimum and maximum limits on room temperature to establish the right balance between energy saving and a comfortable environment.



Human sensor control

The Human sensor (option) detects movement of people in the room and decides whether to save energy or stop the unit.



Set temperature auto return

The setting temperature automatically returns to the previously set temperature.



Economy operation

The thermostat setting is adjusted automatically according to the room temperature to avoid unnecessary cooling or heating.

Features for Comfort



Power diffuser

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



Outdoor unit low noise operation

The noise level of the outdoor unit can be selected.



Double swing automatic

Complex swing action of the louver enables automatic swing in both the left/right and up/down directions.



Connectable fresh air duct

Outside air can be introduced by attaching a locally purchased duct to the fresh air knockout and an optional part.



Individual airflow direction control

Each louver of a 4-way Cassette type can be controlled individually to provide comfortable airflow.



Powerful operation

Operation at maximum air flow and compressor speed, that quickly makes the room comfortable.



Auto changeover

The unit automatically switches between heating and cooling modes based on the temperature setting and the room temperature.



Automatic fan speed

A micro-computer automatically adjusts the airflow to follow the changes in room temperature.



Fresh air intake

Fresh air can be taken in by a fan connected to an external control unit.



10°C Heat

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.



UP/DOWN swing louver

The vertical louver automatically swings up and down.



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.



Connectable distributing duct

Locally purchased branch ducts can be attached to the systems to distribute the airflow.

Convenience Features



Auto-off timer

Automatically stops operation when a fixed time has elapsed from the start of operation.



Weekly timer

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



External error output



Multi System Control

Operation using "Lead Lag Operation", "Back up operation", "Lag Operation" is possible. (Page C-011)



Sleep timer

A micro-computer gradually changes the room temperature automatically to promote a comfortable night's sleep.



Weekly & Temperature setback timer

Weekly & Temperature setback timer can set the temperature for 2-time spans and for each day of the week.



External ON/OFF input



Special Cooling

Special Cooling* is a function that supports the operation of "Multi System Control".



Program timer

This digital timer allows selection of one of four options: ON, OFF, ON » OFF, or OFF » ON.



Filter sign

Indicates the filter cleaning period by blinking.



Wireless LAN control

The optional WLAN adapter enables the air conditioner to be operated by smartphone or tablet PC from outside the home.

Clean Features



Ion deodorization filter

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



Washable panel

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



Apple-catechin filter

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



Silver Ion Filter

The Silver ion filter helps to keep indoor air free from viruses, bacteria and molds.



Long-life filter

Installation / Support



Automatic airflow adjustment

Automatically detects required airflow in each application case and adjusts the volume.



Refrigerant cycle monitor

The values of each sensor and actuator can be displayed, and the status of the refrigeration cycle can be checked.



Drain pump as standard



Blue fin



All DC models

SPLIT

KP
Series

Wall-mounted type

ECO Range
Compact Size



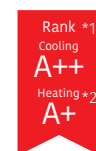
Slim & stylish square design

The slim and stylish square design of this indoor unit is realized by using a high-density, multipath heat exchanger and a high-efficiency wind blower.



High energy saving

High-efficiency has been achieved by the lambda-shaped heat exchanger, large cross-flow fan, and the new refrigerant.



SEER
6.7^{*1}

*1: 07/09 models

SCOP
4.1^{*2}

*2: 12 model

Comfortable airflow & Quiet operation

The large louver and the new air-blowing structure create a comfortable air flow that spreads all the way down to the user's feet with quiet operation.



Smart device control (option)

With the optional WLAN adapter installed in the air conditioner, you can control it from anywhere with your smart device.

* For more information about smart device control, please refer to the page C-020.



AIRSTAGE
Mobile

You need to install the AIRSTAGE Mobile app on your smart device in order to control the air conditioner.

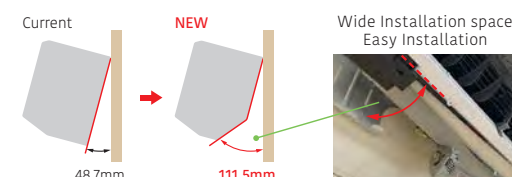


WLAN
adapter (USB)



Easy access to the flare pipe connection

Installation when left outlet piping is easier by removable under cover of the indoor unit chassis. Installation when center outlet piping is easier by design change of wall hook bracket.



Model: ASEG07KPCE / ASEG09KPCE / ASEG12KPCE



Wireless RC



Specifications

Model name	Indoor unit			ASEG07KPCE	ASEG09KPCE	ASEG12KPCE	
	Outdoor unit			AOEG07KPCEA	AOEG09KPCEA	AOEG12KPCEA	
Power Source				Single phase, ~230 V, 50 Hz			
Capacity	Cooling	Rated	kW	2.0	2.5	3.4	
		Min.-Max.		0.9-2.8	0.9-3.0	0.9-3.7	
	Heating	Rated		2.5	2.8	3.8	
		Min.-Max.		0.9-3.4	0.9-3.8	0.9-4.8	
Input Power	Cooling/Heating		kW	0.48/0.63	0.71/0.79	1.00/1.14	
EER	Cooling		W/W	4.17	3.52	3.40	
COP	Heating			3.97	3.54	3.33	
Pdesign	Cooling/Heating (-10°C)		kW	2.0/2.2	2.5/2.4	3.4/2.5	
SEER	Cooling		W/W	6.70	6.70	6.30	
SCOP	Heating (Average)			4.00	4.00	4.10	
Energy Efficiency Class	Cooling			A++	A++	A++	
	Heating (Average)			A+	A+	A+	
Max. Operating Current	Cooling/Heating		A	6.5/9.0	6.5/9.0	6.5/9.0	
Annual Energy Consumption	Cooling		kWh/a	104	131	189	
	Heating			769	840	853	
Moisture Removal				l/h	1.0	1.3	1.8
Sound Pressure Level	Indoor (Cooling)	H/M/L/Q	dB(A)	45/38/31/22	45/38/31/22	46/40/33/22	
	Indoor (Heating)	H/M/L/Q		45/40/36/26	45/40/36/26	46/40/35/27	
Sound Power Level	Outdoor (Cooling/Heating)	High		45/46	47/47	49/51	
	Indoor (Cooling/Heating)	High		57/58	58/58	59/59	
	Outdoor (Cooling/Heating)	High	57/58	59/59	62/62		
Airflow Rate	Indoor/Outdoor (Cooling)	High	m³/h	580/1,650	580/1,650	630/1,700	
	Indoor/Outdoor (Heating)	High		580/1,450	580/1,450	630/1,470	
Net Dimensions H x W x D	Indoor		mm	270 × 784 × 224	270 × 784 × 224	270 × 784 × 224	
	Outdoor		mm	541 × 663 × 290	541 × 663 × 290	541 × 663 × 290	
Weight	Indoor		kg	8	8	8	
	Outdoor		kg	23	23	25	
Connection Pipe Diameter (Liquid/Gas)			mm	6.35/9.52	6.35/9.52	6.35/9.52	
Drain Hose Diameter (I.D./O.D.)				11.8/15.0 to 16.8	11.8/15.0 to 16.8	11.8/15.0 to 16.8	
Max. Pipe Length (Pre-Charge)			m	20 (15)	20 (15)	20 (15)	
Max. Height Difference				15	15	15	
Operating Range	Cooling		°CDB	-10 to 46	-10 to 46	-10 to 46	
	Heating			-15 to 24	-15 to 24	-15 to 24	
Refrigerant	Type (Global Warming Potential)			R32 (675)	R32 (675)	R32 (675)	
	Charge		kg (CO2eq-T)	0.55 (0.371)	0.55 (0.371)	0.59 (0.398)	

Optional parts

* For optional parts compatibility of Intesis devices, please refer to the optional parts compatibility list page C-050 to C-053 and C-066.

Wireless remote controller: UTU-LNWX

WLAN adapter: UTU-TFSXF2

UTU-TFSXH3

Silver Ion Filter: UTR-FA16-5

Dimensions

(Unit: mm)

