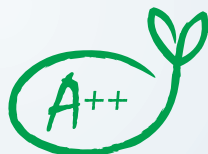


### New Product Release !

### Split Air Conditioner



18/24 models



(18 / 24 / 30)



(36 / 45 / 54)



Touch Panel Wired RC

ARYG18LHTBP ARYG24LHTBP ARYG30LHTBP  
ARYG36LHTBP ARYG45LHTBP ARYG54LHTBP (size 12 & 14 Future release)



(30/36/45/54)



AOYG18LBCA  
AOYG24LBCA



AOYG30LHTA  
AOYG36LHTA



AOYG45LHTA  
AOYG54LHTA

## Medium Static Pressure Duct Range

### Feature

### Automatic Airflow adjustment function

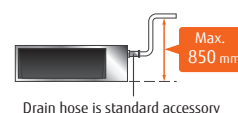
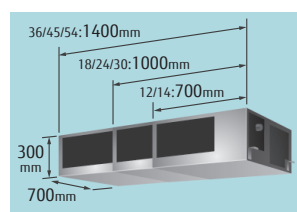
This unique and innovative function detects required air flow in each application case and automatically adjust the volume.



### Feature

### Improved installation flexibility

- The static pressure can be adjustable ranging from 30Pa to 200Pa in accordance with the desired applications.
- The built-in drain pump with lifting height up to 850 mm
- The standardized depth and height in the unit dimensions are helpful in capacity selections for various ceiling spaces.



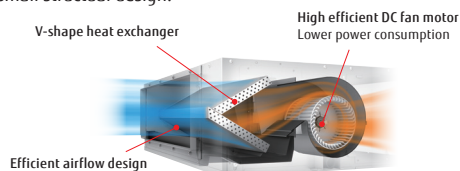
Drain hose is standard accessory

30 Pa 200 Pa  
Short duct Long duct with dumper

### Feature

### High Efficiency & Energy Saving

The combination of the V-shaped heat exchanger, air stabiliser, and the high efficient DC fan motor allowed high efficiency despite of the small structural design.

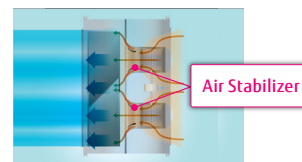


### Feature

### Quiet operation

The low noise level is made possible by the air stabilizer which equalises the air flow speed and the air flow volume passing through the heat exchanger.

Noise Level  
28dB(A)  
ARYG18LHTBP  
At heating rated point



### Feature

### Easy operation by touch panel controller

- Large LCD display
- Background light
- Built in thermo sensor
- Display room temperature
- Set temperature limitation (High and Low)
- Weekly Timer, Set back Timer, Auto OFF timer
- Support 12 Languages
- Error code display in plain text

### Feature

### Improved service and maintenance

- Drain pump is easily detachable from the side
- Easy access to electrical box
- Error code can be checked more in detail from error history

## Optional parts

High Grade Wired Remote Controller (Three wires) : UTY-RVNYM  
Standard Wired Remote Controller (Two wires) : UTY-RLRY

Simple Remote Controller (Three wires) : UTY-RSNYM  
IR Receiver Kit : UTY-LBTYM  
Remote Sensor Unit : UTY-XSZX

Long life filter : UTD-LNFA (ARYG36/45/54LHTBP)  
UTD-LNFB (ARYG18/24/30LHTBP)  
UTD-LNFC (ARYG12/14LHTBP)

External input and output PCB : UTY-XCSX  
External connect kit : UTY-XWZXZG / UTY-XWZXZ3  
External input and output PCB bracket : UTZ-GXNA

## Feature explanation



**Economy mode** : Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.



**Room temperature set point limitation** : The minimum and maximum temperature range can be set giving further energy saving while considering the comfort of the occupants.



**Set temperature auto return** : The setting temperature automatically returns to the previously set temperature.



**Auto-changeover** : The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.



**Automatic fan speed** : The micro-computer automatically adjusts the airflow effectively to follow the changes of 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 power supply is restored.



**Connectable fresh air duct** : Outside air can be introduced by attaching field supplied duct to fresh air knockout and optional part.



**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.



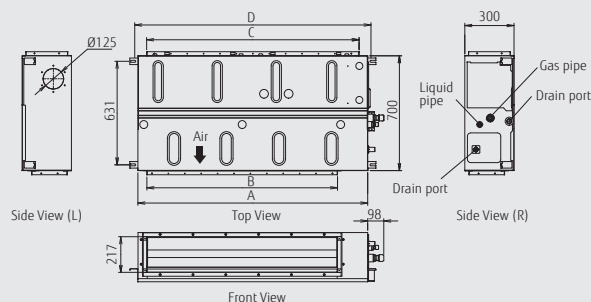
**Filter sign** : Indicates the filter cleaning period by lamp.

## Dimensions

(Unit : mm)

**Indoor unit** : ARYG12LHTBP / ARYG14LHTBP / ARYG18LHTBP / ARYG24LHTBP  
ARYG30LHTBP / ARYG36LHTBP / ARYG45LHTBP / ARYG54LHTBP

	ARYG12/14LHTBP	ARYG18/24/30LHTBP	ARYG36/45/54LHTBP
A	700	1,000	1,400
B	462	762	1,162
C	650	895	1,295
D	740	1,040	1,440



## Specifications

### Future release models

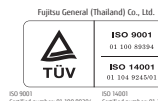
Model Number	Indoor Outdoor	ARYG12LHTBP AOYG12LBLA	ARYG14LHTBP AOYG14LBLA	ARYG18LHTBP AOYG18LBCA	ARYG24LHTBP AOYG24LBCA	ARYG30LHTBP AOYG30LBTB	ARYG36LHTBP AOYG36LBTB	ARYG45LHTBP AOYG45LBTB	ARYG54LHTBP AOYG54LBTB
Nominal Capacity (kW)	Cooling	3.5	4.3	5.2	6.8	8.5	9.4	12.1	13.4
	Heating	4.1	5.0	6.0	8.0	10.0	11.2	13.3	16.0
UK Total / Sensible Cooling*		tba	tba	4.57 / 3.37	5.98 / 4.84	8.59 / 6.84	9.03 / 7.38	11.31 / 9.40	12.89 / 10.42
Power Consumption (kW)	Cooling	0.90	1.18	1.37	1.95	2.65	2.83	3.59	4.42
	Heating	1.00	1.25	1.48	2.21	2.70	3.07	3.44	4.62
EER / COP (Nominal Conditions)		3.89/4.10	3.64/4.00	3.80/4.05	3.49/3.62	3.21/3.70	3.32/3.65	3.37/3.87	3.03/3.46
Pdesign (kW) @ -10°C	Cooling	3.5	4.3	5.2	6.8	8.5	9.4	-	-
	Heating	4.2	4.5	4.3	6.0	8.0	8.7	-	-
SEER	Cooling	6.20	4.3/4.5	7.15	6.50	5.95	5.81	-	-
SCOP	Heating (Average)	4.10	3.95	4.11	4.01	3.95	3.81	-	-
Energy Efficiency Class	Cooling	A++	A+	A++	A++	A+	A+	-	-
	Heating (Average)	A+	A	A+	A+	A	A	-	-
Annual Energy Consumption (kWh/a)	Cooling	tba	tba	255	366	500	566	tba	tba
	Heating	tba	tba	1462	2092	2833	3194	tba	tba
Moisture Removal	l/h	tba	tba	1.2	1.8	2.3	2.0	2.6	3.7
Dimensions (HxWxD) mm	Inner	300x700x700	300x700x700	300x1000x700	300x1000x700	300x1000x700	300x1400x700	300x1400x700	300x1400x700
	Outer	578x790x300	578x790x300	620x790x290	620x790x290	830x900x330	830x900x330	1290x900x330	1290x900x330
Net Weight (kg)	Inner	27	27	36	36	36	46	46	46
	Outer	40	40	41	41	61	61	86	86
Room Air Circulation (high) m3/h	Inner	850	950	1050	1360	1700	2050	2550	2550
	Outer	1780	1910	1900	2460	3600	3800	6750	6750
Power Supply	V-PH-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Power Supply To	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Running Current (A)	Cooling	7.5	9.0	10.0	13.5	17.0	20.0	22.5	23.5
	Heating	10.0	12.5	13.5	18.5	17.0	20.0	22.5	23.5
Starting current	A	tba	tba	6.6	9.7	11.8	13.4	15.7	20.2
Suggested MCB/Fuse	A	15	15	15	20	20	25	25	25
Interconnecting Cable		3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E	3 + E
Remote Control Type (supplied with indoor unit)		Wired	Wired	Wired	Wired	Wired	Wired	Wired	Wired
Static Pressure Range (standard)	Pa	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (35)	30 to 200 (47)	30 to 200 (47)	30 to 200 (60)	30 to 200 (60)
Sound Pressure (dB(A) Cooling)	Indoor Q/L/M/H	32/30/25/22	33/28/27/23	28/25/22/20	32/28/24/21	36/33/30/29	36/31/28/26	39/35/31/29	39/35/31/29
	Outdoor H	47	49	50	55	53	54	55	55
Sound Power (dB(A) Cooling)	Indoor H	tba	tba	54	57	63	64	67	67
	Outdoor H	61	62	63	68	68	69	68	69
Max Pipe Length	m	25	25	30	30	50	50	50	50
Max Height Difference	m	15	15	20	20	30	30	30	30
Refrigerant Charge	m	15	15	15	15	20	20	20	20
Additional Refrigerant Charge	g/m	tba	tba						
Pipe Size (inches)	Gas	3/8	1/2	1/2	5/8	5/8	5/8	5/8	5/8
	Liquid	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
Operating Range °CDB	Cooling	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Filter (to be ordered separatley)		UTD-LFNC	UTD-LFNC	UTD-LFNB	UTD-LFNB	UTD-LFNB	UTD-LFNA	UTD-LFNA	UTD-LFNA

Note

\*Cooling/heating capacities are based on the following conditions.

Cooling	Indoor temperature 23°CDB / 16°CWB Outdoor temperature 30°C
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- Performance test is in accordance with EN14511
- Seasonal efficiency test is in accordance with EN14825
- Sound power test is in accordance with EN12102



- Specifications and design are subject to change without notice for further improvement.
- Actual products' colors may be different from the colors shown in this printed material.

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