FUJITSU

AUSTRALIA'S FAVOURITE AIR™

AIR CONDITIONING RANGE

Ducted

Cassette

Under Ceiling and Floor Console

Multi Systems

ERV's

If it can be designed, we can air condition it.

All over Australia, Fujitsu air conditioning is being installed in some of the most innovative and unusual building applications. That's because our systems offer incredible design flexibility, smoother more efficient control and lower running costs.

So whether you need to air condition a few rooms or a few towers, Fujitsu has the solution. No wonder it's Australia's Favourite Air.

Features

Up/Down Swing Louvre
The up/down louvre automatically swings up and down.

Right/Left Swing Louvre
The right/left louvre automatically swings in either direction.

Double Swing Automatic
Complex swing action of the louvres enables them to swing automatically in both horizontal and vertical directions.

Automatic Louvre
The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control.

Auto Shut Louvre
The auto shut louvres close or open automatically when the unit stops or starts.

Automatic Air Flow Adjustment
The micro-processor adjusts the airflow to follow changes in room temperature.

Auto Restart
Should there be temporary loss of power; the unit will automatically restart itself in the same operating mode, once the power is restored.

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

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

Sleep Timer
The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.

Program Timer
This timer allows selection of one of four options. ON, OFF, ON --> OFF, or OFF --> ON.

ON-OFF Timer
ON-OFF timer can be set to operate once every 24 hours.

Weekly Timer
Different on-off times can be set for up to 7 days.

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

Connectable Distributing Duct
Conditioned air can be distributed to adjacent areas by means of a distribution duct.

Connectable Fresh Air Duct
Allows introduction of fresh air to occupied space.

Fresh Air Intake
Fresh air can be taken in by a fan which can be connected using UTD-ECS5A* (optional parts).

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.

Filter sign
Indicates the filter cleaning period by lamp.

Control Port
External inputs and outputs contained within the product allow on/off control, fresh air interlock connection and heater bank element connection. UTD-ECS5A* (optional parts)

V-PAM
V-Pam Inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency.

I-PAM
I-Pam inverter technology enables high output and high efficiency performance.

Apple-catechin Filter

Long-life Ion Deodorisation Filter

Washable Panel

Blue Fin Heat Exchanger
Corrosion-resistance of the heat exchanger in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger.

All DC
With All DC, electricity loss is decreased and power consumption reduced.

Air Clean Filter

Cooling

Heating

"With over 100 different brands of air conditioners on the market, how do you know you're choosing the right one?

Well, my advice is to go with a name you can trust, which is why I bought a Fujitsu.

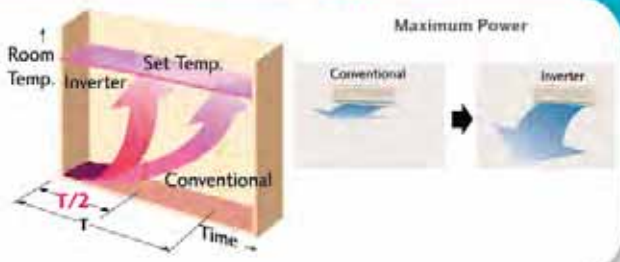
No other company can match their wide range, exceptional economy and superior efficiency. And with their famous 5 year parts and labour warranty, it's no wonder Fujitsu is Australia's Favourite Air."

CONTENTS

Inverter Technology

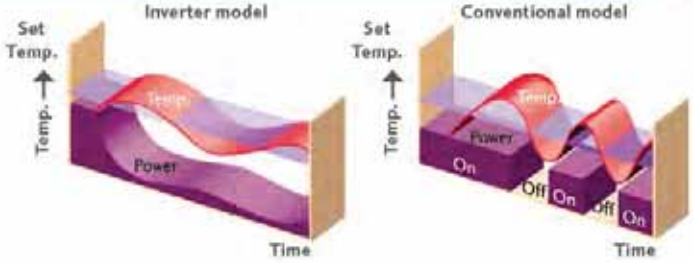
What's an Inverter?

Through new, advanced technology, Inverter air conditioners are more economical to operate and quieter to run than conventional units. They can handle greater extremes in temperature, are smoother and more stable in operation and reach the desired temperature more quickly than conventional air conditioners.



Inverter Control

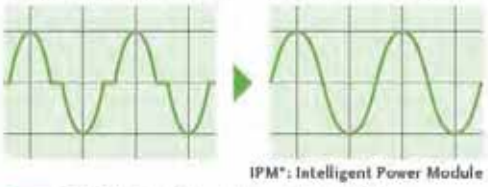
The Inverter component allows the outdoor unit to vary its speed and output to match the required capacity of the indoor unit. Thus, the Inverter model can achieve 30% more operating efficiency than conventional models and therefore, is much cheaper to run.



Optimised Inverter Control

I-PAM (IPM*+PAM) Inverter Control

I-PAM inverter control is a technology which 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.



IPM*: Intelligent Power Module

V-PAM (Vector+I-PAM) Inverter Control

V-PAM inverter control reduces the effects of magnetic flux and increases the maximum speed and efficiency of the compressor by vector control technology. With this technology, further miniaturisation, higher efficiency, and better performance are attained.

In addition, the voltage is raised at the start of operation and fast comfort is attainable by more powerful operation.

This technology enables miniaturisation and high performance of the compressor.

It becomes more powerful with the newly developed high efficiency compressor motor control.

All DC Components

ALL DC

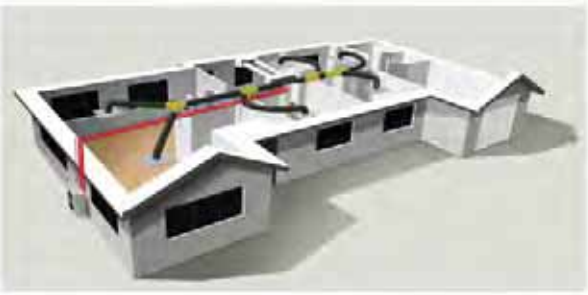
By utilising a DC Compressor and Fan Motor, electricity loss is decreased and power consumption is substantially reduced. In addition, by increasing the air flow on high speed, the heat exchanger efficiency has been improved which has reduced the overall annual power consumption.

High Efficiency DC Twin Rotary Compressor

A high performance, low noise, large capacity DC Twin Rotary Compressor is used for the large three phase ducted systems. The New DC Twin Rotary Compressor has a substantially increased refrigerant intake and compression efficiency which allows for an improvement in overall system energy efficiency.

About Ducted Systems

What is a ducted air conditioner?



Fujitsu ducted systems are able to deliver comfort to every room in your home by using a system of ductwork installed in your ceiling space. Also, by only requiring one outdoor unit, they take up minimal space outside of your home. Talk to a Fujitsu specialist today about a ducted system – your whole house air conditioning solution.

Cool vs Reverse

Fujitsu air conditioners are great for keeping you cool in summer, but did you know they are also one of the most cost effective ways of warming your home in winter? Unlike other traditional heaters, they can warm your home faster and more efficiently. In winter when running on heating mode the process is "reversed". Reverse cycle air conditioners absorb heat from the outside, and transfers that heat to the indoor environment keeping you warm in winter. Fujitsu air conditioners are designed to cool or heat your home even in the most extreme conditions. This makes a Fujitsu air conditioner the perfect comfort solution, all year around.

The ultimate in air conditioning

Ducted air conditioning is surely the ultimate in comfort. The Fujitsu ducted models offer quiet, efficient operation, are easy to maintain, and operate via a wall mounted LCD control that controls all functions of the system.

Invisible comfort

Whatever shape the room, ducted units create uniform temperatures throughout. The unit is totally concealed, usually within a ceiling void. Cool or warm air is then ducted into each room through outlets positioned in the walls, floor or ceiling. Easily controlled, Fujitsu's ducted systems provide comfort throughout your house without leaving cool or hot spots.

The ducted air conditioning system

- Perfect comfort throughout each room
- Visually appealing
- Concealed installation
- Reverse cycle heating and cooling
- Quiet operation
- Easy-to-use LCD controller.

New ARTG High Static ducted features

Space saving

Compact Size

High performance has been realised with a compact indoor/outdoor unit.

Due to the compact size of the indoor and outdoor unit, the installation space required has been reduced allowing for a wider selection of installation locations.

INDOOR UNIT

ARTG30/36L

ARTG45/54L

(New Chassis)

OUTDOOR UNIT

Control options

Standard

Option

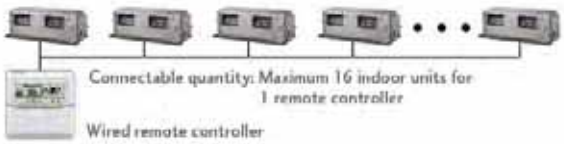
Dual remote controllers (optional)

An additional remote controller can be added up to the maximum of two remote controllers. The timer functions can only be used on the control which was chosen as the master controller during installation.

Group control

One remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings.

Example of ducted system configuration



Room temperature control

- Remote controller has temperature sensor built in.
- User can select between Remote Controller temperature sensor and Return Air Sensor on unit.
- Return Air Sensor on unit can be replaced with Wall Mounted Remote Sensor (optional part UTY-XSZX).

Quiet operation

The Indoor Fan noise has been reduced due to the new designed structure of the indoor unit.

Previous model	New model
49dB(A)	**45**dB(A)

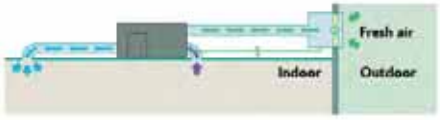
*ARTG54L at 100pa, fan mode: Hi

Some functions require commissioning at the time of installation to operate.

External control

Indoor functions

1. Fresh air output port. External fresh air fans can be connected to run in conjunction with the fan motor of the indoor unit.



2. Electrical heater output port. An External Electrical heater can be set to operate in conjunction with the heating cycle.

3. External input port. Start/ stop of the air conditioner can be controlled from external equipment.

Cobalt Heat exchanger

The outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend performance life of your air conditioner.

Wide outdoor operating range

Cooling and heating operation can be performed at low ambient conditions

Cooling
Min -5°C to Max 46°C

Heating
Min -15°C to Max 24°C

Inverter Ducted

Inverter Ducted Split System – Bulkhead Type

ARTF18L

C 5.2 kW / 17,700 BTU/h

H 6.0 kW / 20,500 BTU/h

Wired R.C

For ARTF18L

Inverter Ducted Split Systems – Slimline Type

ARTA24L

C 7.10 kW / 24,200 BTU/h

H 8.00 kW / 27,300 BTU/h

ARTA30L

C 8.50 kW / 29,000 BTU/h

H 10.0 kW / 34,100 BTU/h

ARTA36L

C 10.0 kW / 34,100 BTU/h

H 11.2 kW / 38,200 BTU/h

ARTA45L

C 12.5 kW / 42,700 BTU/h

H 14.0 kW / 47,800 BTU/h

Wired R.C

For ARTA24L

For ARTA30L

For ARTA36/45L
(For single phase)

Inverter Ducted Split Systems – High Static

ARTG30L

C 9.0kW/ 30,700BTU/h

H 11.2kW/ 38,200BTU/h

ARTG36L

C 10.5kW/ 35,800BTU/h

H 12.1kW/ 41,300BTU/h

Wired type
(with weekly/
setback timer)

For ARTG30/36L

Inverter Ducted Split Systems – High Static

ARTG45L
- C 12.5 kW / 42,700 BTU/h
- H 14.0 kW / 47,800 BTU/h

ARTG54L
- C 14.0kW/ 47,800BTU/h
- H 16.0kW/ 54,600BTU/h

Wired type (with weekly/ setback timer)

For ARTG45/54L

Inverter Ducted Split Systems – High Static – 3 Phase

ARTC36L
- C 10.0 kW / 34,100 BTU/h
- H 11.2 kW / 38,200 BTU/h

ARTC45L
- C 12.5 kW / 42,700 BTU/h
- H 14.0 kW / 47,800 BTU/h

ARTC54L
- C 14.0 kW / 47,800 BTU/h
- H 16.0 kW / 54,600 BTU/h

ARTC60L
- C 15.0 kW / 51,200 BTU/h
- H 18.0 kW / 61,500 BTU/h

Wired type (with weekly/ setback timer)

For ARTC36/45/54/60L

Inverter Ducted Split Systems – High Static – 3 Phase

ARTC72L
- C 20.3 kW / 69,300 BTU/h
- H 22.6 kW / 77,100 BTU/h

ARTC90L
- C 25.0 kW / 85,300 BTU/h
- H 28.0 kW / 95,500 BTU/h

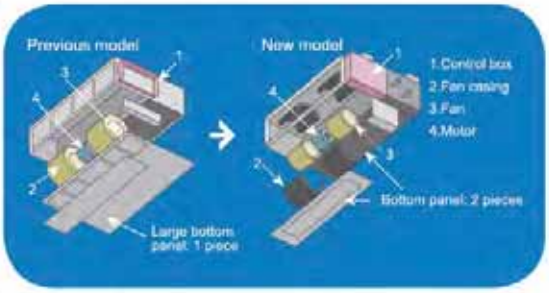
Wired type (with weekly/ setback timer)

Features & Benefits

Slim Line Ducted

Easy Maintenance

Structural improvement is attained by making the bottom panel two pieces, front and rear. The internal fan casing is also manufactured in two pieces, namely upper and lower. The maintenance of the motor and fan can be easily carried out by removing the rear panel and the lower part of the casing while leaving the main chassis installed.



See above for the case of rear suction type.

Easy Installation

Main work settings can be done easily from the remote controller at installation.

Main Work Settings

- High ceiling setting
- Auto restart
- Temperature adjustment when cooling/heating.

Optional parts

Flange (Round):	UTD-RF204
Flange (Square):	UTD-SF045T
Remote Sensor Unit:	UTD-RS100
External Control Set:	UTD-ECS5A
Drain Pump Unit :	UTZ-PX1NBA

High Static Ducted

DC twin rotary compressor

High performance DC twin rotary compressor maximises efficiency from low speed to high speed operation.

Inverter Ducted – Bulkhead/Slim Type

TYPE	MODEL	UNITS	INVERTER				
Model No.	Indoor Unit		ARTF18LALU	ARTA24LATU	ARTA30LBTU	ARTA36LATU	ARTA45LATU
	Outdoor Unit		AOTA18LALL	AOTA24LALL	AOTA30LCTL	AOTA36LBTL	AOTA45LBTL
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes
Cooling Capacity		Watts	5,200	7,100	8,500	10,000	12,500
		BTU/h	17,700	24,200	29,000	34,100	42,700
Range		Watts	900-5,900	900-8,000	2,800-10,000	3,800-11,200	4,000-14,000
		BTU/h	31,00-20,100	3,100-27,300	9,500-34,100	13,000-38,200	13,700-47,800
Heating Capacity		Watts	6,000	8,000	10,000	11,200	14,000
		BTU/h	20,500	27,300	34,100	38,200	47,800
Range		Watts	900-7,500	900-9,100	2,700-11,200	4,000-14,000	4,200-16,200
		BTU/h	3,100-25,600	3,100-31,000	9,200-38,200	13,700-47,800	14,300-55,300
Power Supply		Volts	240	240	240	240	240
Phase-Frequency		Ph- Hz	1-50	1-50	1-50	1-50	1-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Plug Size (If Applicable)		Amps	NA	NA	NA	NA	NA
Running Current	Cooling	Amps	6.8	9.6	11.1	13	16.3
	Range		Max 9.5	Max 12.5	Max 17	Max 19	Max 20
	Heating		7.0	9.3	11.2	12.7	16.1
	Range		Max 13	Max 14.0	Max 17	Max 19	Max 20
Input	Cooling	Watts	1,620	2,280	2,650	3,110	3,890
	Range		Max 2,260	Max 2,970	Max 4040	Max 4,540	Max 4,780
	Heating		1,660	2,210	2,680	3,020	3,830
	Range		Max 3,090	Max 3,330	Max 4040	Max 4,540	Max 4,780
Moisture Removal	l/hr		2	2.5	2.5	3	3.5
E.E.R.	Cooling		3.21	3.11	3.21	3.21	3.21
C.O.P.	Heating		3.61	3.61	3.73	3.71	3.66
Fan Speeds	Stage		4	4	4	4	4
Air Circulation	High	l/s	228	306	542	513	583
Compressor Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary
Dimensions and Weights	I.U. mm	Height	217	270	270	270	270
		Width	953	1,135	1,135	1,135	1,135
		Depth	595	700	700	700	700
	Net Weight	kg	23	38	40	40	40
	O.U. mm	Height	578	578	830	1290	1290
		Width	790	790	900	900	900
		Depth	300	315	330	330	330
	Net Weight	kg	40	44	61	98	98
I.U. Sound Pressure Level		dBA@1metre	33	31	42	40	42
O.U. Sound Pressure Level		dBA@1metre	50	52	53	54	55
O.U. Sound Power Level		dBA	65	68	69	69	70
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	15.88	15.88
	Liquid		6.35	6.35	9.52	9.52	9.52
Pre Charged Length		Metre	15	15	20	20	20
Minimum Pipe Length			3	3	5	5	5
Maximum Pipe Length			25	30	50	50	50
Maximum Pipe Height			15	20	30	30	30
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare
Outdoor operating Temp.	Cooling	Degrees C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	Degrees C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

DC Fan Motor

High performance and high efficiency compact DC fan motor.

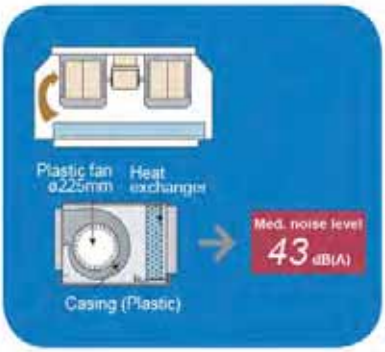
Sine wave DC inverter control

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

Low Noise

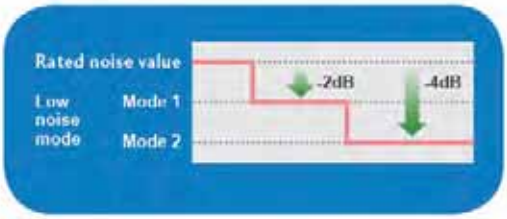
Low noise indoor unit:

The design of the indoor unit allows for a less turbulent air flow. Low noise is achieved by the adaptation of plastic fan and case.



Low noise outdoor unit:

Introduction of a low outdoor noise operation mode allows the outdoor unit to have two quiet mode operation settings.



Inverter Ducted – High Static

Inverter Ducted – High Static – 3 Phase

	INVERTER								
ARTG30LHTA AOTG30LATL	ARTG36LHTA AOTG36LATL	ARTG45LHTA AOTG45LATL	ARTG54LHTA AOTG54LATL	ARTC36LCTU AOTD36LATT	ARTC45LCTU AOTD45LATT	ARTC54LCTU AOTD54LBTT	ARTC60LCTU AOTD60LATT	ARTC72LATU AOTA72LALT	ARTC90LATU AOTA90LALT
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9,000	10,500	12,500	14,000	10,000	12,500	14,000	15,000	20,300	25,000
30,700	35,800	42,700	47,800	34,100	42,700	47,800	51,200	69,300	85,300
4,700-10,000	5,000-11,400	5,700-14,000	6,200-15,200	4,700-11,400	5,400-14,000	6,000-16,000	6,000-17,500	10,800-25,500	11,200-28,000
16,000-34,100	17,100-38,900	19,500-47,800	21,200-51,900	16,000-38,900	18,400-47,800	20,500-54,600	20,500-60,000	36,800-80,200	38,200-95,500
11,200	12,100	14,000	16,000	11,200	14,000	16,000	18,000	22,600	28,000
38,200	41,300	47,800	54,600	38,200	47,800	54,600	61,500	77,100	95,500
5,000-12,100	5,100-14,000	6,000-16,000	6,200-18,000	5,000-14,000	5,800-16,200	6,400-18,000	6,400-20,000	12,000-26,500	12,500-31,500
17,100-41,300	17,400-47,800	20,500-54,600	21,200-61,500	17,000-47,800	19,800-55,300	21,800-61,500	21,800-68,300	40,900-90,400	42,600-107,500
240	240	240	240	415	415	415	415	415	415
1-50	1-50	1-50	1-50	3-50	3-50	3-50	3-50	3-50	3-50
Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
11.4	13.4	16.9	19.5	4.4	5.8	6.7	7.5	9.3	11.5
Max 18.1	Max 19.6	Max 22.5	Max 23.5	Max 9.0	Max 11.0	Max 12.0	Max 12.5	Max 22.8	Max 25.8
12.4	13.9	16	18.6	4.2	5.2	6.2	7.5	9.3	12.1
Max 18.1	Max 20.1	Max 22.5	Max 23.5	Max 9.0	Max 11.0	Max 12.0	Max 12.5	Max 22.8	Max 25.8
2,700	3,180	4,030	4,660	3,090	4,060	4,750	5,320	6,250	7,820
Max 4,300	Max 4,670	Max 5,380	Max 5,630	Max 5,630	Max 6,370	Max 7,080	Max 7,400	Max 10,100	Max 12,500
2,950	3,300	3,800	4,440	2,940	3,670	4,370	5,280	6,270	8,240
Max 4,300	Max 4,800	Max 5,380	Max 5,630	Max 5,630	Max 6,370	Max 7,080	Max 7,400	Max 10,100	Max 12,500
1	1.5	1	1	1.5	1.5	2.5	3.0	4.5	6.0
3.33	3.3	3.1	3	3.24	3.08	2.95	2.82	3.25	3.20
3.8	3.67	3.68	3.6	3.81	3.81	3.66	3.41	3.60	3.40
3	3	3	3	3	3	3	3	3	3
695	695	903	986	695	958	958	958	1,195	1,347
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
400	400	425	425	400	400	400	400	450	550
1,050	1,050	1,250	1,250	1,050	1,050	1,050	1,050	1,587	1,587
500	500	490	490	500	500	500	500	700	700
39	39	54	54	42	46	46	46	100	110
1,290	1,290	1,290	1,290	1,290	1,290	1,290	1,290	1,690	1,690
900	900	900	900	900	900	900	900	930	930
330	330	330	330	330	330	330	330	765	765
86	86	86	86	107	107	107	107	215	215
41	41	43	45	45	47	47	47	47	49
52	52	55	55	51	54	55	56	57	58
67	68	69	70	67	68	70	71	75	78
R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88	25.4	25.4
9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	12.7	12.7
20	20	20	20	30	30	30	30	20	20
5	5	5	5	5	5	5	5	5	5
50	50	50	50	75	75	75	75	75	75
30	30	30	30	30	30	30	30	30	30
Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Brazed	Brazed
-5 to 46	-5 to 46	-5 to 46	-5 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46
-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Inverter Cassette

Inverter Cassette Split Systems – Compact

AUTF18L
C 5.20 kW / 17,700 BTU/h
H 6.00 kW / 20,500 BTU/h

AUTA24L
C 7.10 kW / 24,200 BTU/h
H 8.00 kW / 27,300 BTU/h

Provide wide air flow & quiet operation.

Wireless R.C

Optional

Wired R.C

For AUTF18/AUTA24L

Inverter Cassette Split Systems

AUTA30L
C 8.50 kW / 29,000 BTU/h
H 10.0 kW / 34,100 BTU/h

AUTA36L
C 10.0 kW / 34,100 BTU/h
H 11.2 kW / 38,200 BTU/h

AUTA45L
C 12.5 kW / 42,700 BTU/h
H 14.0 kW / 47,800 BTU/h

Provide wide air flow & quiet operation.

Wired R.C

Optional

IR Receiver Kit

For AUTA30

For AUTA36/45L

Inverter Cassette Split System – 3 Phase

AUTA54L
C 14.0 kW / 47,800 BTU/h
H 16.0 kW / 54,600 BTU/h

Provide wide air flow & quiet operation.

Wired R.C

Optional

IR Receiver Kit

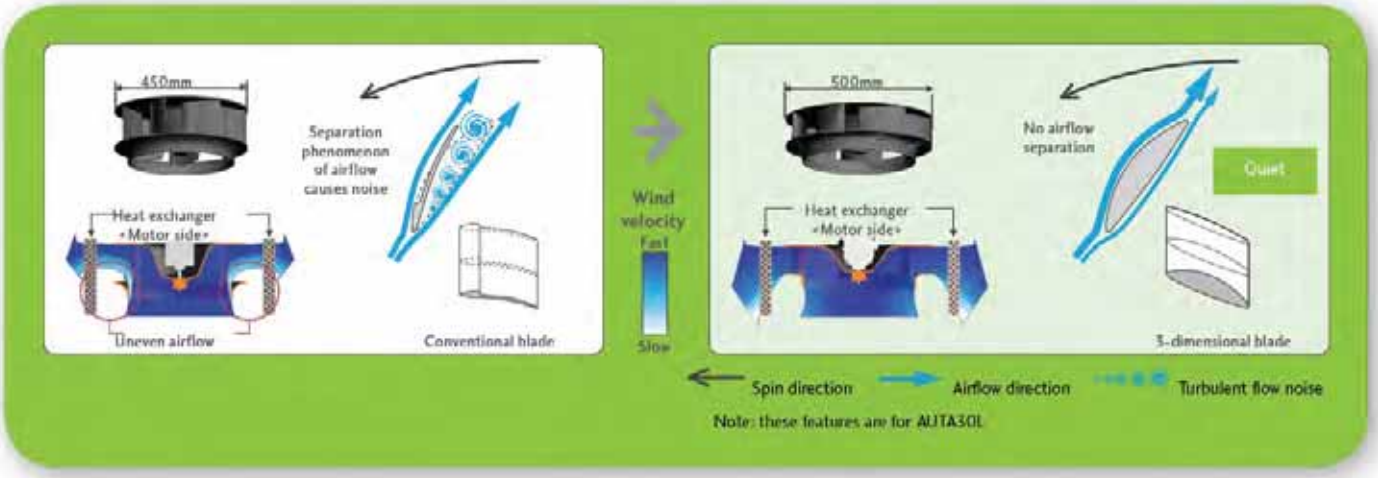
AUTA54L
(For 3 Phase)

Features & Benefits – Inverter Cassette

High efficiency turbo fan with 3-dimensional blade

Previous turbo fan: Air passing through the heat exchanger was uneven and the air would only flow close to the ceiling.

New turbo fan: High efficiency airflow distribution has been achieved by the introduction of a 3-dimensional blade which increases the air passing over the heat exchanger.



Inverter Cassette

TYPE	MODEL	UNITS	INVERTER					
Model No.	Indoor Unit Outdoor Unit		AUTF18LAL AOTA18LALL	AUTA24LBL AOTA24LALL	AUTA30LBLU AOTA30LGTL	AUTA36LCLU AOTA36LBTL	AUTA45LCLU AOTA45LBTL	AUTA54LCLU AOTD54LBTT
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes	Yes
Cooling Capacity		Watts	5,200	7,100	8,500	10,000	12,500	14,000
		BTU/h	17,700	24,200	29,000	34,100	42,700	47,800
Range		Watts	900-5,900	900-8,000	2,800-10,000	3,500-11,200	4,000-14,000	5,400-16,000
		BTU/h	3,100-20,100	3,100 - 27,300	9,500-34,100	13,000-38,200	13,700-47,800	18,400-54,600
Heating Capacity		Watts	6,000	8,000	10,000	11,200	14,000	16,000
		BTU/h	20,500	27,300	34,100	38,200	47,800	54,600
Range		Watts	900-7,500	900-9,100	2,700-11,200	4,000-14,000	4,200-16,200	5,800-18,000
		BTU/h	3,100-25,600	3,100-31,000	9,200-38,200	13,700-47,800	14,300-55,300	19,800-61,500
Power Supply		Volts	240	240	240	240	240	415
Phase-Frequency		Ph- Hz	1-50	1-50	1-50	1-50	1-50	3-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Plug Size (If Applicable)		Amps	NA	NA	NA	NA	NA	NA
Running Current	Cooling	Amps	6.8	9.6	10.8	12.3	16.3	6.2
	Range		Max 9.5	Max 12.5	Max 17.0	Max 19.0	Max 20.0	Max 9.9
	Heating		7.0	9.3	11.6	12.5	16.1	6.3
	Range		Max 13.0	Max 14.0	Max 17.0	Max 19.0	Max 20.0	Max 9.9
Input	Cooling	Watts	1,620	2,280	2,570	2,940	3,890	4,360
	Range		Max 2,260	Max 2,970	Max 4,040	Max 4,540	Max 4,780	Max 6,720
	Heating		1,660	2,210	2,770	2,980	3,830	4,430
	Range		Max 3,090	Max 3,330	Max 4,040	Max 4,540	Max 4,780	Max 6,720
Moisture Removal		l/hr	2.2	2.7	2.5	3	4.5	5.0
E.E.R.	Cooling		3.21	3.11	3.31	3.4	3.21	3.21
C.O.P.	Heating		3.61	3.61	3.61	3.76	3.66	3.61
Star Rating	Cooling		1.5	1.5	2	2	1.5	NA
	Heating		2	2	2.5	2.5	2.5	NA
Fan Speeds			4	4	4	4	4	4
Air Circulation	High	l/s	188	258	444	500	527	555
Compressor Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	DC Twin Rotary
Dimensions and Weights	I.U. (Grille) mm	Height	245(49)	245(49)	288(50)	288(50)	288(50)	288(50)
		Width	570(700)	570(700)	840(950)	840(950)	840(950)	840(950)
		Depth	570(700)	570(700)	840(950)	840(950)	840(950)	840(950)
	Net Weight	kg	15(2.6)	17(2.6)	26(5.5)	27(5.5)	27(5.5)	27(5.5)
	O.U. mm	Height	578	578	830	1,290	1,290	1,290
		Width	790	790	900	900	900	900
		Depth	300	315	330	330	330	330
	Net Weight	kg	40	44	61	98	98	107
I.U. Sound Pressure Level		dBA@1metre	38	49	40	44	46	47
O.U. Sound Pressure Level		dBA@1metre	50	52	53	54	55	55
O.U. Sound Power Level		dBA	65	68	69	69	70	70
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	15.88	15.88	15.88
	Liquid		6.35	6.35	9.52	9.52	9.52	9.52
Pre Charged Length		Metre	15	15	20	20	20	30
Minimum Pipe Length			3	3	5	5	5	5
Maximum Pipe Length			25	30	50	50	50	75
Maximum Pipe Height			15	20	30	30	30	30
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare
Outdoor operating Temp.	Cooling	Degrees C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	Degrees C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Inverter Under Ceiling

Inverter Dual Console Split Systems – Floor/Ceiling

ABTF18L
- C 5.20 kW / 17,700 BTU/h
- H 6.00 kW / 20,500 BTU/h

ABTF24L
- C 7.10 kW / 24,200 BTU/h
- H 8.00 kW / 27,300 BTU/h


Wireless R.C

Optional


Wired R.C


For ABTF18/24L

Inverter Under Ceiling Split Systems

ABTA30L
- C 8.50 kW / 29,000 BTU/h
- H 10.0 kW / 34,100 BTU/h

ABTA36L
- C 10.0 kW / 34,100 BTU/h
- H 11.2 kW / 38,200 BTU/h

ABTA45L
- C 12.5 kW / 42,700 BTU/h
- H 14.0 kW / 47,800 BTU/h


Wireless R.C

Optional


Wired R.C


For ABTA30L


For ABTA36/45L

Inverter Under Ceiling Split System – 3 Phase

ABTA54L
- C 14.0 kW / 47,800 BTU/h
- H 16.0 kW / 54,600 BTU/h


Wireless R.C

Optional


Wired R.C


ABTA54L
(For 3 Phase)

Features & Benefits – Inverter Under Ceiling

Improved installation/maintenance

Improved handling during installation

The new outdoor unit is equipped with handles at the front and back at about the same height as the left and right so that the unit can be easily carried during installation, etc.

Check joint standard equipment

Service port is provided at the high pressure side of the refrigerant circuit. The operation of the air conditioning refrigeration system can be checked by connecting a pressure gauge, etc. and installation and maintenance work is improved.

Low noise realised

The outdoor unit's fan shape (large metal plate integrated bell mouth) reduces the air flow resistance and lowers noise levels (external fan guard) so units are less obtrusive to neighbours.

Setting by wired remote controller.

(Optional parts)

Inverter Under Ceiling

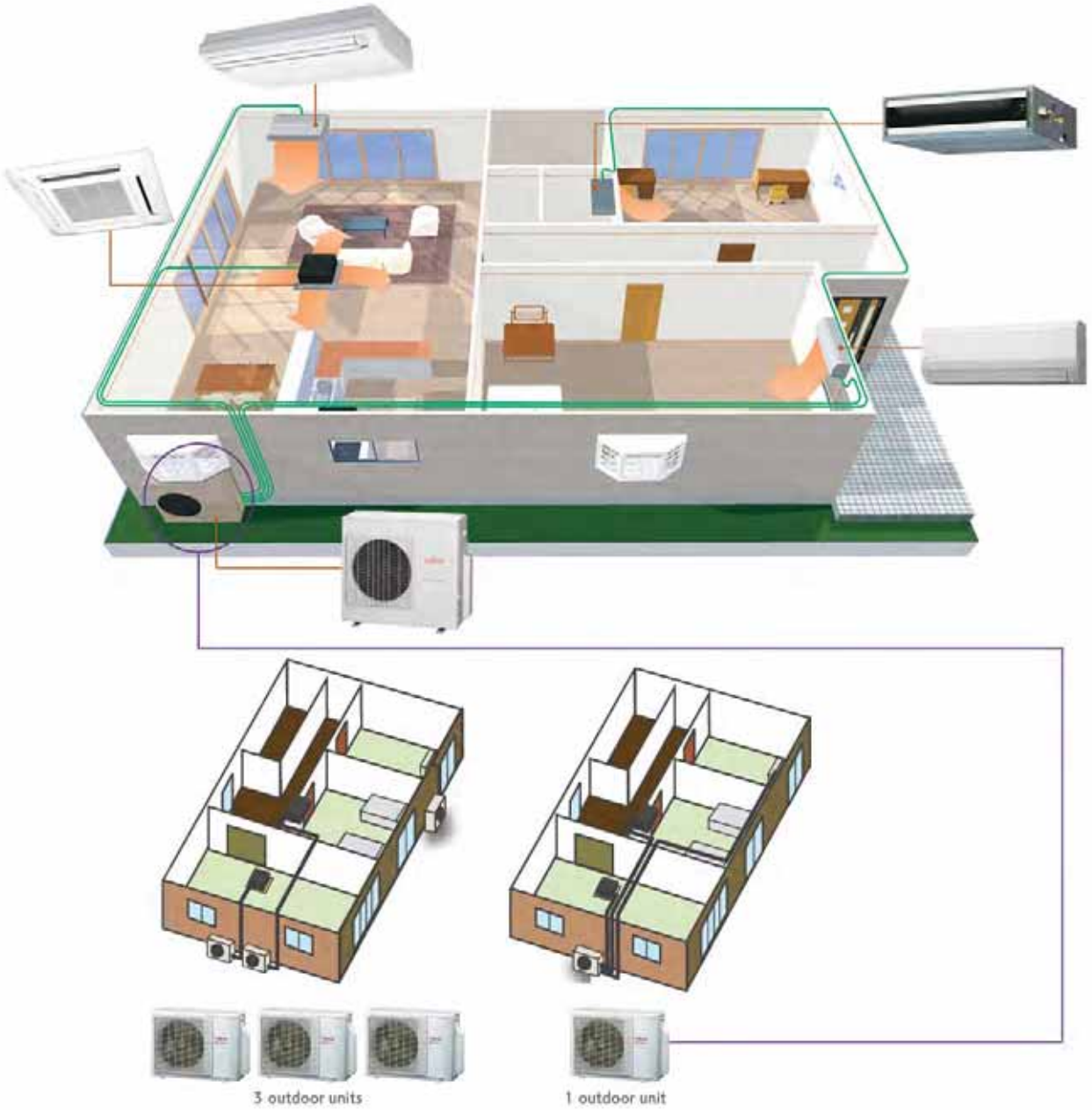
Model No.	Indoor Unit		ABTF18LAT	ABTF24LAT	ABTA30L8T	ABTA36LAT	ABTA45LAT	ABTA54LCTU
	Outdoor Unit		AOTA18LALL	AOTA24LALL	AOTA30LCTL	AOTA36LBTL	AOTA45LBTL	AOTD54LBTT
Reverse Cycle System			Yes	Yes	Yes	Yes	Yes	Yes
Cooling Capacity		Watts	5,200	7,100	8,500	10,000	12,500	14,000
		BTU/h	17,700	24,200	29,000	34,100	42,700	47,800
Range		Watts	900-5,900	900-8,000	2,800-10,000	3,800-11,200	4,000-14,000	5,400-16,000
		BTU/h	3,100-20,100	3,100-27,300	9,500-34,100	13,000-38,200	13,700-47,800	18,400-54,600
Heating Capacity		Watts	6,000	8,000	10,000	11,200	14,000	16,000
		BTU/h	20,500	27,300	34,100	38,200	47,800	54,600
Range		Watts	900-7,500	900-9,100	2,700-11,200	4,000-14,000	4,200-16,200	5,800-18,000
		BTU/h	3,100-25,600	3,100-31,000	9,500-38,200	13,700-47,800	14,300-55,300	19,800-61,500
Power Supply		Volts	240	240	240	240	240	415
Phase-Frequency		Ph- Hz	1-50	1-50	1-50	1-50	1-50	3-50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Plug Size (If Applicable)		Amps	NA	NA	NA	NA	NA	NA
Running Current	Cooling		6.8	9.6	10.8	13	16.3	6.6
	Range	Amps	Max 9.5	Max 12.5	Max 17.0	Max 19.0	Max 20.0	Max 9.9
	Heating		7.0	9.3	11.6	12.7	16.1	6.6
	Range		Max 13.0	Max 14.0	Max 17.0	Max 19.0	Max 20.0	Max 9.9
Input	Cooling		1,620	2,280	2,570	3,110	3,890	4,650
	Range	Watts	Max 2,260	Max 2,970	Max 4,040	Max 4,540	Max 4,780	Max 6,720
	Heating		1,660	2,210	2,770	3,020	3,830	4,670
	Range		Max 3,090	Max 3,330	Max 4,040	Max 4,540	Max 4,780	Max 6,720
Moisture Removal		l/hr	2	2.7	2.5	3	4.5	5.0
E.E.R.	Cooling		3.21	3.11	3.31	3.21	3.21	3.01
C.O.P.	Heating		3.61	3.61	3.61	3.71	3.66	3.43
Star Rating	Cooling		2	1.5	2	1.5	1.5	NA
	Heating		2.5	2	2.5	2.5	2.5	NA
Fan Speeds			4	4	4	4	4	4
Air Circulation	High	l/s	216	272	461	527	583	638
Compressor Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	DC Twin Rotary
Dimensions and Weights	I.U. mm	Height	199	199	240	240	240	240
		Width	990	990	1,660	1,660	1,660	1,660
		Depth	655	655	700	700	700	700
	Net Weight	kg	27	27	46	46	46	48
	O.U. mm	Height	578	578	830	1,290	1,290	1,290
		Width	790	790	900	900	900	900
		Depth	300	315	330	330	330	330
	Net Weight	kg	40	44	61	98	98	107
I.U. Sound Pressure Level		dBA@1metre	44	49	45	47	49	51
O.U. Sound Pressure Level		dBA@1metre	50	52	53	54	55	55
O.U. Sound Power Level		dBA	65	68	69	69	70	70
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	15.88	15.88	15.88
	Liquid		6.35	6.35	9.52	9.52	9.52	9.52
Pre Charged Length			15	15	20	20	20	30
Minimum Pipe Length		Metre	3	3	5	5	5	5
Maximum Pipe Length			25	30	50	50	50	75
Maximum Pipe Height			15	20	30	30	30	30
Pipe Connection Methods			Flare	Flare	Flare	Flare	Flare	Flare
Outdoor operating Temp.	Cooling	Degrees C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-15 to 46
	Heating	Degrees C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Inverter Multi Systems

A new Fujitsu Inverter Multi System is ideal where an individual indoor unit is required in more than one room, eg. a living room and 3 bedrooms. A Multi System allows for one outdoor unit to be connected to a wide variety of 2,3 or 4 indoor units including Wall Mounted, Floor/Ceiling Console, Cassette and Bulkhead Ducted models.

Wide Range of indoor units with various models & sizes

The range includes 6 different indoor unit types and 20 different models ranging in capacity from 2.3kW to 7.4kW. With such a wide range of options to choose from, there's a combination to suit almost any need from a small residence to a large shop.



Space-saving installation

Multiple indoor units can be connected to 1 outdoor unit rather than multiple outdoor units. This means greater installation flexibility and space saving options. Long pipe runs offer even greater choices for installation.

Outdoor Units

3 room set-up

AOTG24LAT3

C 6.80kW/23,200 BTU/h

H 8.00kW/27,300 BTU/h

4 room set-up

AOTG30LAT4

C 8.00kW/27,300 BTU/h

H 9.60kW/32,800 BTU/h

ASTG07/09/12LV

ASTG18/24/LF

ABTG18LV

AUTG09/12/18LV

ARTG09/12LL

ARTG18LL

INDOOR UNIT FEATURES	Up/Down	Double	Adjust	Restart	Changeover	10°C HEAT	Fresh	Fresh	Economy	Sleep	Program	Wi-fi	Filter	Eco	Air	Wash	
ASTG07/09/12LV	•		•	•	•	•			•	•	•	○	•			•	•
ASTG18/24LF		•	•	•	•	•				•	•	○	•	•	•	•	
AUTG09/12/18LV	•		•	•	•	•	○	○	•	•	•	○	•				
ABTG18LV		•	•	•	•	•	•	○	•	•	•	○	○				
ARTG09/12/18LL	○			•	•	•	○	○	○	•	○	•	•	•			

• Included function ○ Optional function

Indoor unit connection patterns

3 ROOMS – AOTG24LAT3 CONNECTABILITY					
NO.	ROOM 1	ROOM 2	ROOM 3	ROOM 4	TOTAL
1	7	7	-	-	14
2	7	9	-	-	16
3	7	12	-	-	19
4	7	18	-	-	25
5	9	9	-	-	18
6	9	12	-	-	21
7	9	18	-	-	27
8	12	12	-	-	24
9	12	18	-	-	30
10	7	7	7	-	21
11	7	7	9	-	23
12	7	7	12	-	26
13	7	9	9	-	25
14	7	9	12	-	28
15	7	12	12	-	31
16	9	9	9	-	27
17	9	9	12	-	30
18	9	12	12	-	33
19	12	12	12	-	36
4 ROOMS – AOTG30LAT4 CONNECTABILITY					
1	7	7	18	-	32
2	7	7	24	-	38
3	7	9	12	-	28
4	7	9	18	-	34
5	7	9	24	-	40
6	7	12	12	-	31
7	7	12	18	-	37
8	7	12	24	-	43
9	7	18	18	-	43
10	7	18	24	-	49
11	9	9	9	-	27
12	9	9	12	-	30
13	9	9	18	-	36
14	9	9	24	-	42
15	9	12	12	-	33
16	9	12	18	-	39
17	9	12	24	-	45
18	9	18	18	-	45
19	12	12	12	-	36
20	12	12	18	-	42
21	12	12	24	-	48
22	12	18	18	-	48
23	7	7	7	7	28
24	7	7	7	9	30
25	7	7	7	12	33
26	7	7	7	18	39
27	7	7	9	9	32
28	7	7	9	12	35
29	7	7	9	18	41
30	7	7	12	12	38
31	7	7	12	18	44
32	7	9	9	9	34
33	7	9	9	12	37
34	7	9	9	18	43
35	7	9	12	12	40
36	7	9	12	18	46
37	7	12	12	12	43
38	7	12	12	18	49
39	9	9	9	9	36
40	9	9	9	12	39
41*1	9	9	9	18	45
42	9	9	12	12	42
43*2	9	9	12	18	48
44	9	12	12	12	45
45	12	12	12	12	48

Notes
7: 7000BTU/h, 9:9000BTU/h, 12:12000BTU/h, 18: 18000BTU/h, 24: 24000BTU/h models
* 1: "ARTG09L + ARTG09L + ARTG09L + ASTG18L" can not be connected in this combination.
* 2: "ARTG09L + ARTG09L + ARTG12L + ASTG18L" can not be connected in this combination.

Indoor units than can be connected to each outdoor unit

• CONNECTED – NOT CONNECTED

OUTDOOR		COMPACT CASSETTE			SLIM DUCT			COMPACT WALL MOUNTED			WALL MOUNTED		FLOOR/ CEILING
		AUTG09-18LVLA			ARTG09-18LLTA			ASTG07-12LVCA			ASTG18-24LFCA		ARTG-18LVTA
	BTU Class	09	12	18	09	12	18	07	09	12	18	24	18
	kW Class	2.5	3.5	5.0	2.5	3.5	5.0	2.0	2.5	3.5	5.0	7.0	5.0
3 ROOMS	AOTG24LAT3	•	•	•	•	•	•	•	•	•	•	–	•
4 ROOMS	AOTG30LAT4	•	•	•	•	•	•	•	•	•	•	•	•

Controller Options

WIRED REMOTE CONTROLLER	SIMPLE REMOTE CONTROLLER	WIRELESS REMOTE CONTROLLER
		 
UTY-RNNYN	UTY-RSNYN	AR-RAH1E AR-RAH2E

TYPE	MODEL	INDOOR UNITS				
		Compact Cassette	Slim Duct	Compact Wall Mounted	Wall Mounted	Floor/Ceiling
Wired Remote Controller	UTY-RNNYN	○	•	○ *1	○	○
Simple Remote Controller	UTY-RSNYN	○	○	○ *1	○	○
Wireless Remote Controller	AR-RAH1E	•	-	•	-	-
	AR-RAH2E	-	-	-	•	•

• Included function ○ Optional function *1 Optional Communication Kit (UTY-XCBXZ1) is necessary for the installation

Inverter Multi Systems

TYPE	MODEL	UNITS	WALL MOUNTED			
Model No.	Indoor Unit		ASTG07LVCA		ASTG09LVCA	
	Outdoor Unit		AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4
Reverse Cycle System			Yes		Yes	
Capacity Class		kW	2		2.5	
Cooling Capacity		Watts	2,300	2,300	2,700	2,700
		BTU/h	7,854	7,854	9,220	9,220
Range (Maximum for Inverter Multi)		Watts	2,700	2,700	3,300	3,400
		BTU/h	9,220	9,220	11,270	11,611
Heating Capacity		Watts	2,700	2,700	3,300	3,300
		BTU/h	9,220	9,220	11,270	11,270
Range (Maximum for Inverter Multi)		Watts	3,300	3,300	4,200	3,700
		BTU/h	11,270	11,270	14,343	12,636
Power Supply		Volts	240		240	
Phase-Frequency		Ph- Hz	1-50		1-50	
Power Supply Attachment			Outdoor		Outdoor	
Plug Size (If Applicable)		Amps	NA		NA	
Running Current	Cooling	Amps	0.14		0.14	
	Range	Amps				
	Heating	Amps				
	Range	Amps				
Input	Cooling	Watts	16		16	
	Range	Watts				
	Heating	Watts				
	Range	Watts				
Moisture Removal		l/hr				
E.E.R.	Cooling		-	-	-	-
C.O.P.	Heating		-	-	-	-
Star Rating	Cooling		-	-	-	-
	Heating		-	-	-	-
Fan Speeds			4		4	
Air Circulation	High	l/s	178		178	
Compressor Type			DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary
Dimensions and Weights		Height	293		293	
	I.U. mm	Width	790		790	
		Depth	225		225	
	Net Weight	kg	9.5		9.5	
		Height	700	830	700	830
	O.U. mm	Width	900	900	900	900
		Depth	330	330	330	330
	Net Weight	kg	55	68	55	68
I.U. Sound Pressure Level		dBA@1metre	36		36	
O.U. Sound Pressure Level		dBA@1metre	48	50	48	50
O.U. Sound Power Level		dBA	64	64	64	64
Refrigerant	Type		R410A		R410A	
Connection Pipe Sizes	Gas	mm	9.52		9.52	
	Liquid		6.35		6.35	
Pre Charged Length		Metre	-		-	
Minimum Pipe Length			5		5	
Maximum Pipe Length per unit Inverter Multi only			-		-	
Maximum Pipe Length			25		25	
Maximum Pipe Height			10		10	
Pipe Connection Methods			Flare	Flare	Flare	Flare
Outdoor operating Temp	Cooling	Degrees C	-10 to 46	0 to 46	-10 to 46	0 to 46
	Heating	Degrees C	-15 to 24	-10 to 24	-15 to 24	-10 to 24

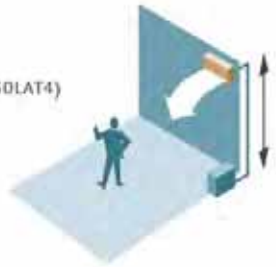
* Specifications for each indoor unit listed is subject to the outdoor unit which it is connected to. Please consult a Fujitsu stockist for further information.

Flexible Installation

Fujitsu Multi type systems can be installed in large buildings and over multiple floors due to the maximum allowable piping length.

Max. Piping Length (Each Unit):
25m (AOTG24LAT3/30LAT4)

Max. Height:
15m (AOTG24LAT3/30LAT4)



Total Piping Length:
50m (AOTG24LAT3)
70m (AOTG30LAT4)

Innovative Technology

High efficiency large fan

New designed fan has been used to increase airflow efficiency.

DC fan motor

High performance and High efficiency has been achieved by using a new small DC Fan motor.

Heat exchanger

A new 3 row heat exchanger has been used which allows for a more compact outdoor unit with higher energy efficiency.

High efficiency DC twin rotary compressor

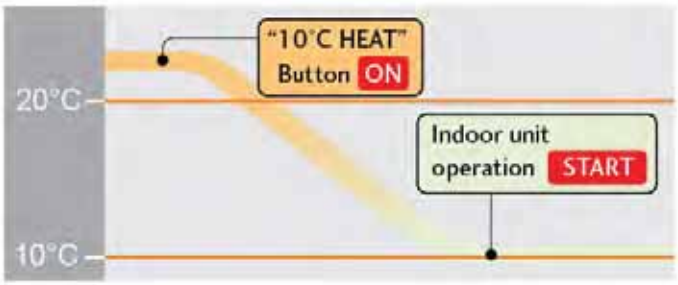
A high performance, low noise, large capacity DC twin rotary compressor is used.

Inverter Multi Systems

WALL MOUNTED						COMPACT CASSETTE					
ASTG12LVCB		ASTG18LFCA		ASTG24LFCB		AUTG09LVLA		AUTG12LVLA		AUTG18LVLA	
AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4
Yes		Yes		Yes		Yes		Yes		Yes	
3.5		5		7		2.5		3.5		5	
3,500	3,500	5,000	5,200	-	6,800	2,700	2,700	3,500	3,500	5,000	5,200
11,953	11,953	17,075	17,758	-	23,223	9,220	9,220	11,953	11,953	17,075	17,758
3,700	3,800	5,600	6,000	-	7,400	3,300	3,400	3,700	3,800	5,600	6,000
12,636	12,977	19,125	20,491	-	25,272	11,270	11,611	12,636	12,977	19,125	20,491
3,800	3,800	6,000	6,000	-	8,200	3,300	3,300	3,800	3,800	6,000	6,000
12,977	12,977	20,491	20,491	-	28,004	11,270	11,270	12,977	12,977	20,491	20,491
4,800	4,500	7,100	7,100	-	9,000	4,200	3,700	4,800	4,500	7,100	7,100
16,392	15,368	24,247	24,247	-	30,736	14,343	12,636	16,392	15,368	24,247	24,247
240		240		240		240		240		240	
1-50		1-50		1-50		1-50		1-50		1-50	
Outdoor		Outdoor		Outdoor		Outdoor		Outdoor		Outdoor	
NA		NA		NA		NA		NA		NA	
0.16		0.33		-	0.53	0.15		0.19		0.3	
19		37		-	69	18		23		39	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
4		4		4		4		4		4	
194		250		311		150		169		208	
DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary
293		320		320		245 (49)		245 (49)		245 (49)	
790		998		998		570 (700)		570 (700)		570 (700)	
225		238		238		570 (700)		570 (700)		570 (700)	
9.5		14		14		15 (2.6)		15 (2.6)		15 (2.6)	
700	830	700	830	700	830	700	830	700	830	700	830
900	900	900	900	900	900	900	900	900	900	900	900
330	330	330	330	330	330	330	330	330	330	330	330
55	68	55	68	55	68	55	68	55	68	55	68
38		43		49		33		37		42	
48	50	48	50	48	50	48	50	48	50	48	50
64	64	64	64	64	64	64	64	64	64	64	64
R410A		R410A		R410A		R410A		R410A		R410A	
9.52		12.7		15.88		9.52		9.52		12.7	
6.35		6.35		6.35		6.35		6.35		6.35	
-		-		-		-		-		-	
5		5		5		5		5		5	
-		-		-		-		-		-	
25		25		25		25		25		25	
10		10		10		10		10		10	
Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46
-15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24

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.

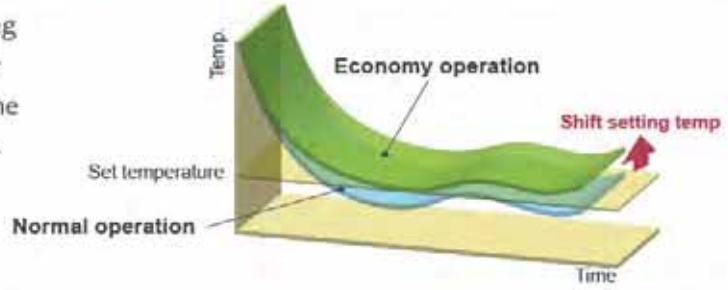


Caution

When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

Economy Operation

Economy operation is an energy saving setting that allows the set temperature of the indoor unit to change by 1°C intervals which limits the maximum energy usage of the air conditioner.



FLOOR/CEILING		SLIM DUCT						OUTDOOR UNIT	
ABTG18LVTA		ARTC09LLTA		ARTG12LLTA		ARTG18LLTA		-	-
AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4	AOTG24LAT3	AOTG30LAT4
Yes		Yes		Yes		Yes		Yes	
5		2.5		3.5		5		-	-
5,000	5,200	2,700	2,700	3,500	3,500	5,000	5,200	6,800	8,000
17,075	17,758	9,220	9,220	11,953	11,953	17,075	17,758	23,200	27,300
5,600	6,000	3,300	3,400	3,700	3,800	5,600	6,000	1,800-8,500	3,500-10,100
19,125	20,491	11,270	11,611	12,636	12,977	19,125	20,491	6,100-29,000	11,940-34,500
6,000	6,000	3,300	3,300	3,800	3,800	6,000	6,000	8,000	9,600
20,491	20,491	11,270	11,270	12,977	12,977	20,491	20,491	27,300	32,800
7,100	7,100	4,200	3,700	4,800	4,500	7,100	7,100	2,000-9,200	3,700-12,000
24,247	24,247	14,343	12,636	16,392	15,368	24,247	24,247	6,800-31,400	12,620-41,000
240		240		240		240		240	240
1-50		1-50		1-50		1-50		1-50	1-50
Outdoor		Outdoor		Outdoor		Outdoor		Outdoor	Outdoor
NA		NA		NA		NA		NA	NA
0.36		0.3		0.35		0.44		8.1 Max 10.9 8.4 Max 12.1	9.3 Max 15.0 10.1 Max 15.0
47		49		58		73		1,940 Max 2,600 2,000 Max 2,870	2,220 Max 3,560 2,400 Max 3,580
-	-	-	-	-	-	-	-	3.5	3.6
-	-	-	-	-	-	-	-	4	4
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
4		4		4		4		2	2
217		167		181		261		917	
DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary	DC twin Rotary	Twin Rotary
199		198		198		198		-	-
990		700		700		900		-	-
655		620		620		620		-	-
27		19		19		23		-	-
700	830	700	830	700	830	700	830	700	830
900	900	900	900	900	900	900	900	900	900
330	330	330	330	330	330	330	330	330	330
55	68	55	68	55	68	55	68	55	68
41(UC)/44(FC)		28		29		32		-	-
48	50	48	50	48	50	48	50	48	50
64	64	64	64	64	64	64	64	64	64
R410A		R410A		R410A		R410A		R410A	R410A
12.7		9.52		9.52		12.7		2 x 9.52, 1 x 12.7	2 x 9.52, 2 x 12.7
6.35		6.35		6.35		6.35		3 x 6.35	4 x 6.35
-		-		-		-		30	50
5		5		5		5		15	20
-		-		-		-		25	25
25		25		25		25		Max Total 50	Max Total 70
10		10		10		10		15 (IU to OU)	15 (IU to OU)
Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46	-10 to 46	0 to 46
-15 to 24	-10 to 24	15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24	-15 to 24	-10 to 24

Energy Recovery Ventilator (ERV)

Effective heat exchange and simultaneous fresh air ventilation

High efficiency and low noise levels are achieved by using a highly efficient heat exchange process.
A comfortable air conditioned environment is achieved by conveniently selecting whether to use heat exchange or normal ventilation setting, according to requirements of the conditioned space.

Energy saving ventilation

Air conditioning operation can be reduced thanks to the efficient recovery of thermal energy lost during ventilation.

Load reduction

Load reduction within the conditioned space can be achieved as the heat exchanger effectively recovers cooled or heated room temperatures and simultaneously ventilates the air.

Humidity adjusting effect

By efficient use of the heat transfer device within the ERV, fresh air humidity levels are balanced more effectively.

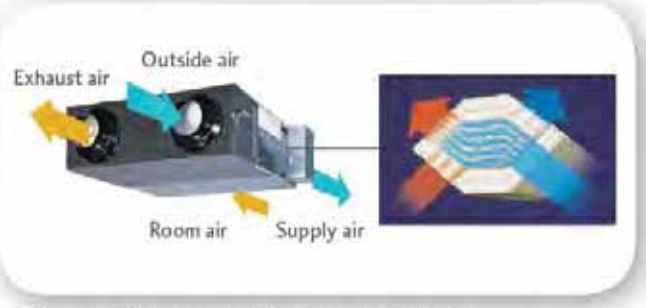
Sound shield effect

The ducts of the unit and the heat exchange element create a sound shield effect.
This ensures that the working environment noise levels are preserved.

Heat exchange ventilation and normal ventilation

Heat exchange ventilation

When a room is cooled or heated, the exhausted cooling / heating energy is recovered by heat-exchange ventilation.



Adopts a highly efficient counter-flow heat exchange element.

Normal ventilation

This operation is used during periods when rooms require no cooling or heating effect, i.e. when there is minimal temperature difference between the indoor and outdoor environments.

High energy efficiency

20% Energy saving

Energy consumption is dramatically reduced by using a counterflow heat-exchange element.
Air conditioning load is reduced by approximately 20%, resulting in significant energy savings.
Recovers up to 77% of the heat in the outgoing air.

More comfort

Quiet operation

Significantly reduces low pressure loss which allows a low noise operation of 32dBA or less on high fan operation (138 L/Sec model).

Energy Recovery Ventilator unit offers maximum comfort and greater energy savings

Energy Recovery Ventilator available in five sizes to suit most applications.

UTZ-BX025A

UTZ-BX035A

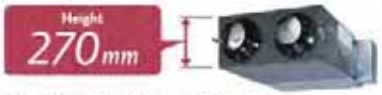
UTZ-BX050A

UTZ-BX080A

UTZ-BD100A

Slim shape and easier installation

Counter-flow heat exchange element used for reduced noise and slimmer, more compact body shape.



UTZ-BX025A/BX035A/BX050A

UTZ-BX080A/BD100A

Energy Recovery Ventilator

RATED FLOW RATE					69 L/Sec	97 L/Sec	138 L/Sec	222 L/Sec	277 L/Sec
MODEL NO					UTZ-BX025A	UTZ-BX035A	UTZ-BX050A	UTZ-BX080A	UTZ-BD100A
Power Source					220-240, 50Hz				
Heat Exchange Ventilation	Input Power	Extra High/High/Low		W	119/99/79	154/124/117	214/169/151	347/309/302	445/360/332
	Air Flow Rate	Extra High/High/Low		L/sec	69/69/47	97/97/77	138/138/102	222/222/180	277/277/225
	External Static Pressure	Extra High/High/Low		Pa	90/80/37	95/65/42	105/70/38	140/110/70	90/55/35
	Temperature Exchange Efficiency	Extra High/High/Low		%	75/75/77	75/75/77	75/75/77	75/75/76	75/75/76
	Energy Exchange Efficiency Cooling	Extra High/High/Low		%	63/63/66	66/66/69	62/62/67	65/65/68	65/65/68
	Energy Efficiency Exchage Heat Pump	Extra High/High/Low		%	70/70/73	69/69/71	67/67/71	71/71/74	71/71/73
	Sound Pressure Level	Extra High/High/Low		dB	28/26/21	32/29/25	34/31/25	38/36.5/32	37.5/36/31
Normal Ventilation	Input Power	Extra High/High/Low		W	119/98/79	151/119/113	210/161/145	337/300/397	438/358/329
	Air Flow Rate	Extra High/High/Low		L/sec	69/69/47	97/97/77	138/138/102	222/222/180	277/277/225
	External Static Pressure	Extra High/High/Low		Pa	90/80/37	95/65/42	105/70/38	140/110/70	90/55/35
	Sound Pressure Level	Extra High/High/Low		dB	27/26.5/21.5	31/30/26	34/32/26.5	38.5/37/33	38/36.5/31.5
Dimensions			H x W x D	mm	882 x 599 x 270	882 x 804 x 270	962 x 904 x 270	1,322 x 884 x 388	1,322 x 1,134 x 388
Weight				kg	29	37	43	71	83
Outlet Duct Diameter				mm	150	150	200	250	250
Operation Range				℃	-10 to 40	-10 to 40	-10 to 40	-10 to 40	-10 to 40
Maximum Humidity				%	85	85	85	85	85

* The noise level must be measured 1.5 m below the centre of the unit.

Products in this brochure contain R410A refrigerant. Please refer to specifications before installation & servicing this product.

Only persons and/or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and/or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products.

Suitable access for warranty & service is required.

For future improvement, specifications, designs of product and availability are subject to change without notice. Please check with your dealer.

All Capacity and Energy Efficiency ratings are based on AS/NZS3823.2.

Cooling	Indoor Temp:	27°C DB/19°C WB
	Outdoor Temp:	35°C DB
Heating	Indoor Temp:	20°C DB
	Outdoor Temp:	7°C DB /6°C WB

Running current is at rated conditions (AS3823) and does not include compressor start-up or variations in power supply and load conditions.

N807

All products specified in this brochure comply with the Australian Communications Authority's (ACA) requirements for Electromagnetic Compatibility (EMC).

FULL PARTS & LABOUR WARRANTY 5 YEARS

FUJITSU COMFORT
AUSTRALIA'S FAVOURITE AIR™

Distributed by:

FUJITSU | FUJITSU SERIES | FUJITSU cool | FUJITSU COMMERCIAL AIR CONDITIONING

FUJITSU GENERAL (AUST.) PTY LIMITED
ABN 55 001 229 554
A Subsidiary of FUJITSU GENERAL LIMITED
www.fujitsugeneral.com.au

HEAD OFFICE

NSW	Eastern Creek Drive, Eastern Creek NSW 2766	TEL (02) 8822 2500	FAX (02) 8822 2501
VIC/TAS	Suite 1, Building 2, Omnico Business Centre, 270 Ferntree Gully Road, Notting Hill VIC 3168	TEL (03) 9543 5899	FAX (03) 9543 8299
QLD	1 Breakfast Creek Road, Newstead QLD 4006	TEL (07) 3257 2800	FAX (07) 3257 2184
SA/NT	128A Rose Terrace, Wayville SA 5034	TEL (08) 8172 1180	FAX (08) 8172 1190
WA	Suite 3, 5 Mumford Place, Balcatta WA 6021	TEL (08) 9240 5877	FAX (08) 9240 5866

E-mail: contact@fujitsugeneral.com.au – or call 1300 882 201

PRINTED IN AUSTRALIA TPB 10/11 FG0288