

# FUJITSU Cassette Type

APRIL 2009



NEW ZEALAND'S FAVOURITE AIR™

FUJITSU

Cassette Type Split Systems are extremely discreet, with only the grille showing in the ceiling. They provide heating and cooling in a full range of capacities. DC technology is used to deliver high energy efficiency, qualifying for the Blue Energy Star. Other features include quiet Fan Speed, air filter maintenance indicator and a built-in condensate pump.

INVERTER

## Compact Cassette

The Compact Cassette is elegant and compact, yet efficient, quiet and very effective.



AUTA18L/24L



AUTA18LAL/  
AUTF18LAL



Hi-EER: 3.21 (W/W)  
Hi-COP: 3.61 (W/W)

**C** 5.2kW / 17,700BTU/h  
**H** 6.0kW / 20,500BTU/h

AUTA24LAL/  
AUTB24LAL



Hi-EER: 3.11 (W/W)  
Hi-COP: 3.61 (W/W)

**C** 7.1kW / 24,200BTU/h  
**H** 8.0kW / 27,300BTU/h

(Supplied)



Infra red remote control (UTB-YNA)

(Optional)



Wired controller with weekly/set-back timer (UTB-TUD)



AOTA18LACL  
AOTA18LLAL  
AOTA24LACL  
AOTA24LLAL

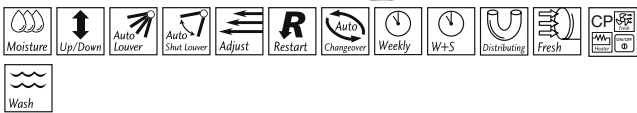
INVERTER

## Cassette

The larger Cassette models have the power to heat and cool large spaces, yet are still discreet, very quiet and super efficient.



AUTA30L



AUTA30LBU

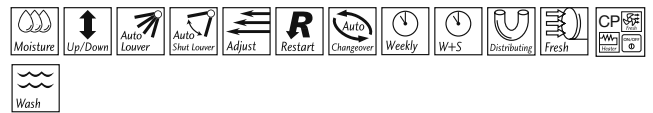
Hi-EER: 3.21 (W/W)  
Hi-COP: 3.61 (W/W)



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



AUTA36L/45L



AUTA36LATU

Hi-EER: 3.21 (W/W)  
Hi-COP: 3.71 (W/W)



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

AUTA45LATU

Hi-EER: 3.21 (W/W)  
Hi-COP: 3.66 (W/W)



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

(Supplied)



Wired type (with weekly/setback timer) (UTB-TUD)

(Optional)



Infra red remote control For AUTA36L/45L (UTB-YNA)

(Optional)



Infra red remote control and receiver kit For AUTA30L (UTY-LRU\*AT)



AOTA30LBTL

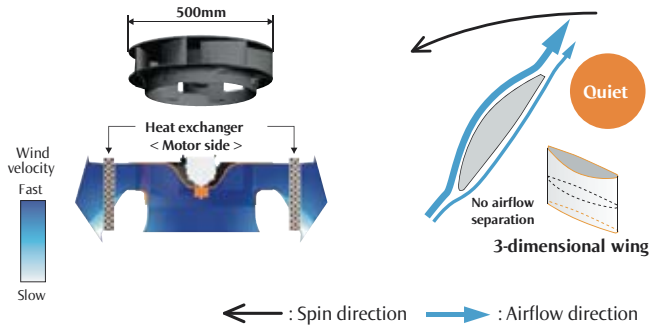


AOTA36LATL  
AOTA45LATL

The Compact Cassette and Cassette incorporate many features that allow better airflow and comfort for any space

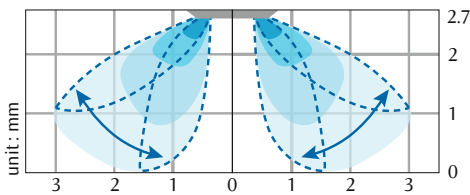
**High-Efficient Turbo Fan Feature.**

High efficiency achieved by equaling the performance of the wing and air passing the heat exchanger



**Air Flow.**

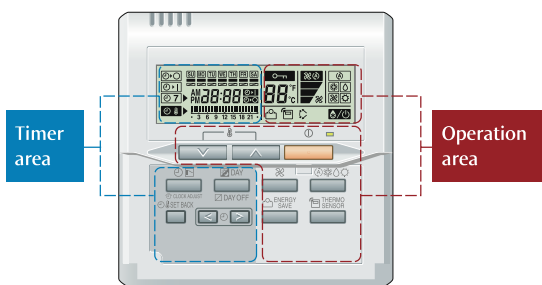
Air reaches whole room even with 3.5m high ceilings.



Air is spread widely to reach room corners.

**Easy-to-understand Operation.**

The operation / display sections are zoned according to time and operation, enabling variable programming to match application.

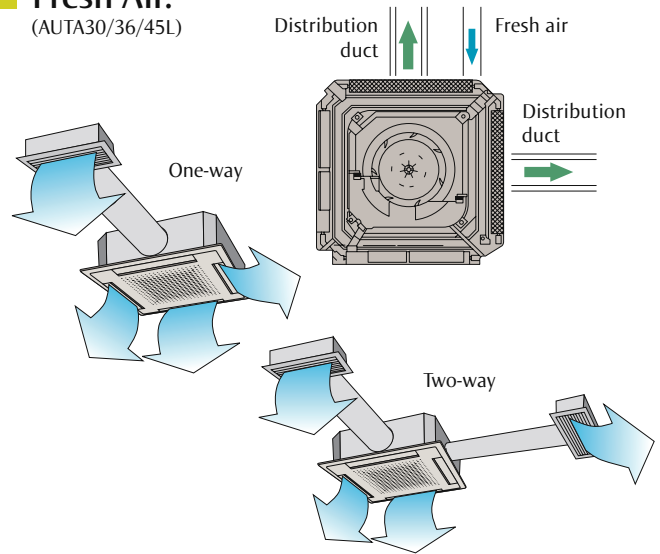


**Wired Controller Features:** (UTB-TUD)

- Various timer set-up
- Weekly timer (2 x start and 2 x stop settings per day)
- Set back timer
- Group control of up to 16 indoor units
- Built-in thermosensor
- Child lock
- Filter maintenance display
- Memory back up setting

**Fresh Air.**

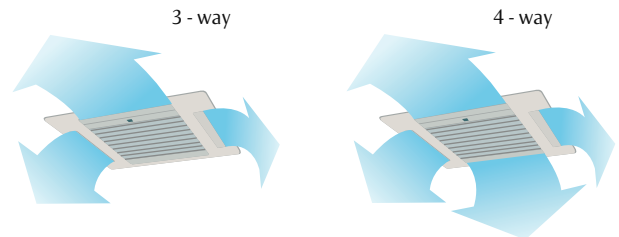
(AUTA30/36/45L)



Distribution duct configuration is designed for efficient air distribution in larger areas

**4-Way Air Distribution.** (ALL MODELS)

The number of air outlets can be configured.



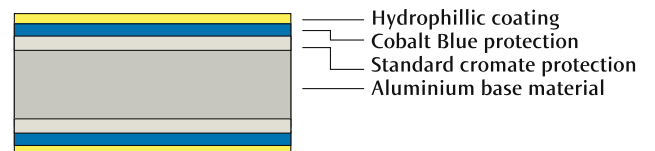
**Infra-red Remote Control Features:** (UTB-YNA)

- 4 built-in timers (On / Off / Program / Sleep).
- Program timer operates the ON and OFF timer once within a 24 hour period
- Economy button
- Dirty filter re-set button
- Swing louver operation



**Cobalt Blue Heat Exchanger.** (AOTA36L/45L)

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





# SPECIFICATIONS

Type			Inverter	Inverter	Inverter	Inverter	Inverter	
Model No.	Indoor Unit		AUTA18LAL	AUTA24LBL	AUTA30BLU	AUTA36LATU	AUTA45LATU	
	Outdoor Unit		AOTA18LALL	AOTA24LALL	AOTA30LBT	AOTA36LATL	AOTA45LATL	
Reverse Cycle			Yes	Yes	Yes	Yes	Yes	
Cooling Capacities	kW		5.20	7.10	8.50	10.00	12.50	
	BTU/Hr		17,700	24,200	29,000	34,100	42,700	
Cooling Range	kW		0.9 - 5.9	0.9 - 8.0	2.8 - 10.0	3.8 - 11.2	4.0 - 14.0	
	BTU/Hr		3,100 - 20,100	3,100 - 27,300	9,500 - 34,100	13,000 - 38,200	13,700 - 47,800	
Heating Capacities	kW		6.00	8.00	10.00	11.20	14.00	
	BTU/Hr		20,500	27,300	34,100	38,200	47,800	
Heating Range	kW		0.9 - 7.5	0.9 - 9.1	2.7 - 11.2	4.0 - 14.0	4.2 - 16.2	
	BTU/Hr		3,100 - 25,600	3,100 - 31,000	9,200 - 38,200	13,700 - 47,800	14,300 - 55,300	
Star Rating	Cool		5	4.5	5	5	5	
	Heat		5	5	5	5.5	5.5	
E.E.R Cool	W/W		3.21	3.11	3.21	3.21	3.21	
C.O.P Heat	W/W		3.61	3.61	3.61	3.71	3.66	
Running Current	Cool	Amps	6.8 (9.5 Max)	9.6 (12.5 Max)	11.1 (17.0 Max)	13 (19 Max)	16.3 (20 Max)	
	Heat	Amps	7.0 (13.0 Max)	9.3 (14.0 Max)	11.6 (17.0 Max)	12.7 (19 Max)	16.1 (20 Max)	
Input Power	Cool	kW	1.62 (0.09 - 2.26)	2.28 (0.09 - 2.97)	2.65 (4.04 Max)	3.11 (4.54 Max)	3.89 (4.78 Max)	
	Heat	kW	1.66 (0.09 - 3.09)	2.21 (0.09 - 3.33)	2.77 (4.04 Max)	3.02 (4.54 Max)	3.83 (4.78 Max)	
Moisture Removal	L/Hr		2.2	2.7	2.5	3.5	4.5	
Fan Speeds			4	4	4	4	4	
Air Circulation	l/s		222	258	444	458	486	
Indoor Sound Pressure Level	Quiet	DbA at 1m	30	33	32	36	39	
	Low	DbA at 1m	34	40	36	41	42	
	Med	DbA at 1m	38	45	38	46	47	
	High	DbA at 1m	43	49	40	50	52	
Outdoor Sound Pressure Level	DbA at 1m		50	53	55	55	56	
Outdoor Sound Power Level	DbA		65	68				
Dimensions and Weights	I.U	Height	mm	245	245	288	296	296
		Width	mm	570	570	840	830	830
		Depth	mm	570	570	840	830	830
		Net Weight	kg	15	17	26	39	39
	O.U	Height	mm	578	578	830	1290	1290
		Width	mm	790	790	900	900	900
		Depth	mm	300	315	330	330	330
		Net Weight	kg	40	44	62	98	98
Compressor Type			Twin Rotary	Twin Rotary	Twin Rotary	DC Twin Rotary	DC Twin Rotary	
Indoor Unit Hole Cutout Size	mm		580 - 660	580 - 660	860 - 910	890 x 890	890 x 890	
Interconnect cables - size	Qty - mm2		4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	
Recommended Min. Power Cable	mm2		2.5	4	4	6	6	
Phase - Frequency	Ph - Hz		1 - 50	1 - 50	1 - 50	1 - 50	1 - 50	
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Power Supply	Volts		230	230	230	230	230	
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	15.88	15.88	
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	
Minimum Pipe Length	Metre		3	5	5	5	5	
Maximum Pipe Length	Metre		25	30	50	50	50	
Maximum Pipe Height	Metre		15	20	30	30	30	
Pre Charged Length	Metre		15	15	20	20	20	
Pipe Connection Method			Flare	Flare	Flare	Flare	Flare	
Condensate Pump Lift	mm		700	700	800	800	800	
Outdoor Operating Temp	Cool	Degree C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	
	Heat	Degree C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	
Grill			UTG-UFYA-W	UTG-UFYA-W	UTG-UGYA-W	Supplied	Supplied	



NEW ZEALAND'S FAVOURITE AIR™

Fujitsu General New Zealand Limited  
www.fujitsugeneral.co.nz

Products depicted in this brochure contain high operating pressure R410a refrigerant. It is illegal to vent that refrigerant to the atmosphere. Only persons qualified and experienced in the installation, service and repair of these products are authorised to undertake such work.

Fujitsu General Accredited Installers have shown they have the necessary equipment and have accepted responsibility for their installations and the requirements of any statutes or laws.

Due to ongoing Research and Development specifications and designs are subject to improvement without notice therefore relevant manuals must be consulted before any action is taken to install or service these products

Heating/Cooling capacities and run current tests are based on the requirements of AS/NZS3283, that standard tests at the temperature below.

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

As actual temperature ranges in New Zealand vary considerably only competent people should provide advice as to size and placement of units.

Recommended cable sizes are based in AS/NZS3000 and AS/NZS3008.

Fujitsu General New Zealand Ltd warrants the equipment against any defects in materials and factory workmanship for a period of five years from the date of installation, or for 6 years if installed by an Accredited Installer.

This warranty does not cover defects or failures which are attributable to; incorrect or improper installation; environmental damage; airflow restriction; inadequate electrical supply; getting access to the product.

## EXPLANATION OF TERMS

**COP** – Stands for coefficient of performance or (more simply!), the relationship between energy used and heat delivered. For example with a heating COP of 4.11 – you will get 4.11kW of heat for every 1kW of energy used.

**Energy Star Rating** – your quick guide to energy efficiency – more stars means more efficient.

**Indoor Sound** – measured in decibels, this is the sound level of your indoor unit at selected fan speeds. For example 20-30 decibels is less than the sound of a human whisper.

**Heating Range** – with our Kiwi winter, your heat pump needs to be able to supply heat indoors, even when its -15°C outside!

Printed with 100% vegetable based inks. 4 STAR rated on environmentally friendly paper.

## EXPLANATION OF FEATURES (MODEL DEPENDENT)

- Moisture Removal**  
The computer effectively dehumidifies the air.
- Up/Down Swing Louvers**  
The up/down louvers automatically swing to up and down.
- Automatic Louvers**  
The position of the louvers is set automatically to match the operating mode. It is also possible to adjust the louvers using the remote control.
- Auto Shut Louvers**  
The auto shut louvers close or open automatically when the unit stops or starts.
- Automatic Air Flow Adjustment**  
The micro-computer automatically adjusts the air flow 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 the power supply is restored.
- Auto-Changover**  
The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- 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.
- ON-OFF Timer**  
ON-OFF timer can be set to operate once.
- Weekly Timer**  
Different on-off times can be set for each day.
- 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 by means of a distributing duct.
- Connectable Fresh Air Duct**  
Duct connection port hole opening. Fresh air can be introduced through this opening.
- Control Port**  
External inputs and outputs contained within the product allow on/off control.
- Washable Panel**
- i PAM**  
Fujitsu's advanced inverter technology now includes i PAM (Intelligent Power Module-Pulse Amplitude Modulation), to enable high output and high efficiency.
- Top Energy Saver Award**  
For the most energy efficient Star Rated Products.



QAS is Accredited by the Joint Accreditation System of Australia and New Zealand. Acc No. S1250992AS



ISO 9002 Certified number: JQA-2005



ISO 14001 Certified number: EC98U1137



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



5 Year full parts and labour warranty. 6 years (an extra full year's warranty) when you use a Fujitsu Accredited installer.