

FUJITSU Cassette Type

MARCH 2010



NEW ZEALAND'S FAVOURITE AIR™

FUJITSU



Come HOME to a WARM WELCOME

NEW ZEALAND'S FAVOURITE HOME IMPROVEMENT

Fujitsu adds ultimate comfort to your home. Fast effective heating keeps you warm as toast in winter (even when its -15°C outside) and reverse-cycle delivers a cool dehumidifying environment in summer - all at the touch of a button.

EFFORTLESS PERFORMANCE, FOR A COST EFFICIENT HOME

Fujitsu's inverter technology coupled with high capacity and compact DC engineering can handle greater temperature extremes than conventional heat pumps, making them more economical and able to reach the desired temperature faster.



NEW ZEALAND'S MOST EFFICIENT

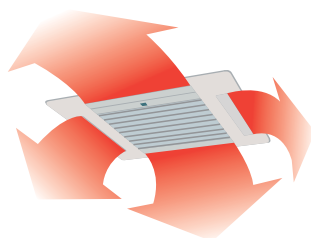
It has been shown that heat pumps are our most efficient form of heating.

On top of that, Fujitsu has been awarded "Most efficient heat pump" in 2008/09/10. That means you save on power costs as well as help the environment by using less energy for heating. Check the "COP" for our models – simply put, a COP of 3.61 means you will get 3.61kW of heating for every 1kW of energy used. Now THAT'S efficient!



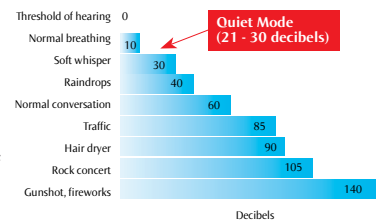
COMPACT AND DISCREET

The cassette models sit in the ceiling, so they are almost invisible. But you'll feel the difference, with 4-way air distribution (which can be configured to suit your room), and turbo fan technology which will heat (or cool and dehumidify in summer) the whole room quickly and efficiently.



JUST QUIETLY

Brilliant fan technology and whisper quiet design means that sound is never an issue with Fujitsu. See the back of this brochure for our decibel levels at different fan speeds.



THE IMPORTANCE OF INSTALLATION

Fujitsu have the only accredited installer scheme in New Zealand. That means when you choose an installer who has achieved Fujitsu Accreditation, you can be assured of a professional installation (plus you will also get a full 6-year parts and labour warranty – New Zealand's longest).



SIZE MATTERS

Ask your installer about EzEcalc - this brilliant program takes into account every relevant detail about room characteristics, so that the right heat pump can be selected for your unique circumstances - wherever you live in New Zealand.



Your EzEcalc report provides an explanation of the details entered, model selection analysis, as well as useful instructions on use and maintenance to achieve the best results for many years.

OPTIONAL WALL CONTROLLER

The Wall Controller is a popular option on many models because they are smart, easy-to-use and have features like 7-day timers (so you can 'set and forget').



(UTB-TUD)

Check our website for FAQ's, detailed information on how heatpumps work and our full range of models.

www.fujitsugeneral.co.nz

Compact Cassette



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



AUTF18L/AUTA24L



(Supplied)



Infra red remote control (UTB-YNA)

(Optional)



Wall Controller with weekly/set-back timer (UTB-TUD)



AOTA18LACL/AOTA18LALL
AOTA24LACL/AOTA24LALL

AUTF18LAL



Hi-EER: 3.21 (W/W)

Hi-COP: 3.61 (W/W)

C 5.2kW **H** 6.0kW

AUTA24LBL



Hi-EER: 3.11 (W/W)

Hi-COP: 3.61 (W/W)

C 7.1kW **H** 8.0kW

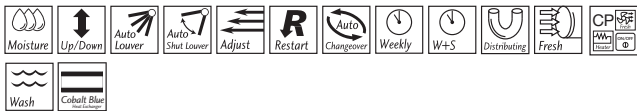
Cassette



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



AUTA30L/36L/45L/54L



(Supplied)



Wall Controller with weekly/set-back timer (UTB-TUD)

(Optional)



Infra red remote control and receiver kit (UTY-LRHYA1)



AOTA30LBTL



AOTA36LATL/AOTA36LBTL
AOTA45LATL/AOTA45LBTL

AUTA30BLU



Hi-EER: 3.21 (W/W)

Hi-COP: 3.61 (W/W)

C 8.5kW **H** 10.0kW

AUTA36CLU



Hi-EER: 3.21 (W/W)

Hi-COP: 3.71 (W/W)

C 10.0kW **H** 11.2kW

AUTA45LCLU



Hi-EER: 3.21 (W/W)

Hi-COP: 3.66 (W/W)

C 12.5kW **H** 14.0kW

AUTA54LCLU



Hi-EER: 3.21 (W/W)

Hi-COP: 3.61 (W/W)

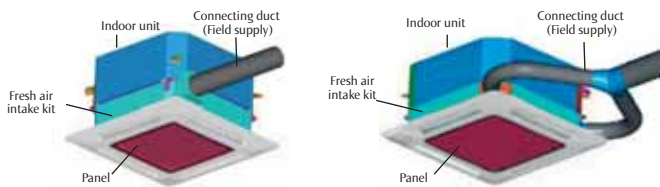
C 14.0kW **H** 16.0kW

30 Power

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

Fresh Air

When there is no facility to access 'fresh air' it is possible to use this kit to introduce the outside air via the indoor unit.



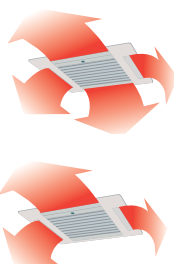
For UTZ-VXAA

For UTZ-VXGA

3 or 4-Way Air Distribution

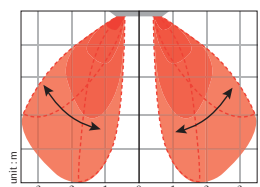
With 4-Way air distribution, strong airflow and quick temperature change is realised when the indoor unit is placed at the centre of the room.

If the indoor unit is to be located adjacent to a wall, an optional 3-Way air outlet configuration can be made to ensure optimum airflow into the same room is maintained.

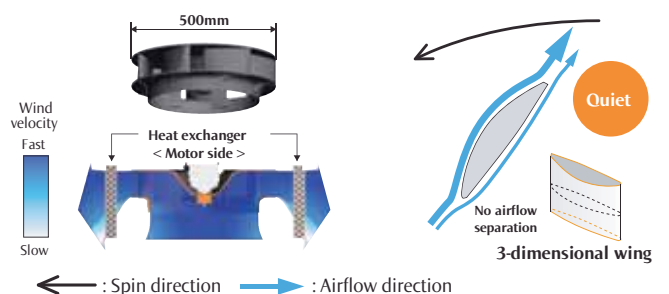


Air Flow

Air reaches the whole room from a ceiling height of 2.7m up to 5m effectively (model dependant).



High-Efficient Turbo Fan Feature



SPECIFICATIONS

Type			Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
Model No.	Indoor Unit		AUTF18LAL	AUTA24LBL	AUTA30LBLU	AUTA36LCLU	AUTA45LCLU	AUTA54LCLU	
	Outdoor Unit		AOTA18LACL/ AOTA18LALL	AOTA24LACL/ AOTA24LALL	AOTA30LBTL	AOTA36LATL/ AOTA36LBTL	AOTA45LATL/ AOTA45LBTL	AOTD54LATT	
Cooling Capacities	kW		5.20	7.10	8.50	10.0	12.5	14.0	
Cooling Range	kW		0.9 - 5.9	0.9 - 8.0	2.8 - 10.0	3.8 - 11.2	4.0 - 14.0	5.4 - 16.0	
Heating Capacities	kW		6.0	8.0	10.0	11.2	14.0	16.0	
Heating Range	kW		0.9 - 7.5	0.9 - 9.1	2.7 - 11.2	4.0 - 14.0	4.2 - 16.2	5.8 - 18.0	
Energy Star Rating	Cool		5	4.5	5	5	5	N/A	
	Heat		5	5	5	5.5	5.5	N/A	
E.E.R Cool	W/W		3.21	3.11	3.21	3.21	3.21	3.21	
C.O.P Heat	W/W		3.61	3.61	3.61	3.71	3.66	3.61	
Running Current	Cool	Amps	6.8 (9.5 Max)	9.6 (12.5 Max)	11.1 (17.0 Max)	13.0 (19.0 Max)	16.3 (20.0 Max)	6.6 (9.9 Max)	
	Heat	Amps	7.0 (13.0 Max)	9.3 (14.0 Max)	11.6 (17.0 Max)	12.7 (19.0 Max)	16.1 (20.0 Max)	6.6 (9.9 Max)	
Input Power	Cool	kW	1.62 (2.26 Max)	2.28 (2.97 Max)	2.65 (4.04 Max)	3.11 (4.54 Max)	3.89 (4.78 Max)	4.65 (6.72 Max)	
	Heat	kW	1.66 (3.09 Max)	2.21 (3.33 Max)	2.77 (4.04 Max)	3.02 (4.54 Max)	3.83 (4.78 Max)	4.67 (6.72 Max)	
Moisture Removal	L/Hr		2.2	2.7	2.5	3.0	4.5	5.0	
Fan Speeds			4	4	4	4	4	4	
Air Circulation	Max	l/s	222	258	444	500	528	556	
	Quiet	DbA at 1m	30	33	32	33	36	37	
Indoor Sound Pressure Level	Low	DbA at 1m	34	40	36	36	40	41	
	Med	DbA at 1m	38	45	38	39	42	43	
	High	DbA at 1m	43	49	40	44	46	47	
Outdoor Sound Pressure Level	DbA at 1m		50	53	55	55	56	56	
Dimensions and Weights	I.U.	Height	mm	245	245	288	288	288	288
		Width	mm	570	570	840	840	840	840
		Depth	mm	570	570	840	840	840	840
		Net Weight	kg	15	17	26	27	27	27
	O.U.	Height	mm	578	578	830	1,290	1,290	1,290
		Width	mm	790	790	900	900	900	900
		Depth	mm	300	315	330	330	330	330
		Net Weight	kg	40	44	62	98	98	107
Indoor Unit Hole Cutout Size	mm	580 - 660	580 - 660	860 - 910	860 - 910	860 - 910	860 - 910		
Interconnect cables - size	Qty - mm2	4 - 1.5	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	3 x 2.5		
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		
Power Supply	Volts		230	230	230	230	230	415	
	Gas	mm	12.7	15.88	15.88	15.88	15.88	15.88	
Connection Pipe Sizes	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52	
Minimum Pipe Length	Metre		3	5	5	5	5	5	
Maximum Pipe Length	Metre		25	30	50	50	50	75	
Maximum Pipe Height	Metre		15	20	30	30	30	30	
Pre Charged Length	Metre		15	15	20	20	20	30	
Condensate Pump Lift	mm		700	700	800	850	850	850	
Outdoor Operating Temp	Cool	Degree C	-10 to 46	-10 to 46	-15 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	-15 to 24	
Grill			UTG-UFYB-W	UTG-UFYB-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	UTG-UGYA-W	



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 on environmentally responsible 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-Changeover
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 distribution duct.

Connectable Fresh Air Duct
Duct connection port hole opening. Fresh air can be introduced through this opening.

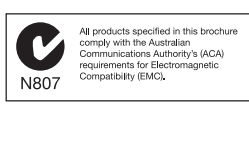
Control Port
External inputs and outputs contained within the product allow on/off control.

Washable Panel

Wall (wired) controller - Optional
Smart, easy-to-use wall (wired) controller. 7-day timer for 'set and forget'

Cobalt Blue Heat Exchanger
Outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend performance life of your heat pump.

C Cooling **H** Heating



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