

FUJITSU Floor Console

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 - 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

Heat pumps are our most efficient source of heating, and we take energy saving very seriously indeed. In fact, Fujitsu has been awarded "Most efficient heat pump" in 2008/09/10. That means you save on your power bill, as well as help the environment. Check the COP for our models for example the AGTV09L's COP of 4.32 means you will get 4.32kW of heat for every 1kW of energy used. Now THAT'S efficient!



FUJITSU FEATURES

Fujitsu engineering delivers a new generation of features such as fresh air and deodorising filters, distribution to reach the whole room and controllers with various timer program settings.

OPTIONAL WALL CONTROLLER

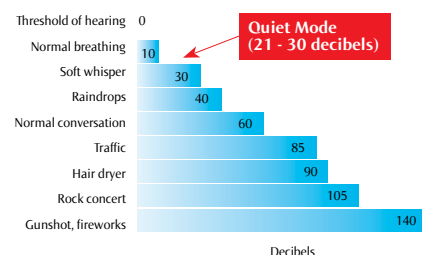
The Wall Controller is a popular option for many models because they are smart, easy-to-use and have features like 7-day timers (so you can 'set and forget').



(UTB-TUD)

JUST QUIETLY

Brilliant fan technology and whisper quiet design means that noise 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.

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

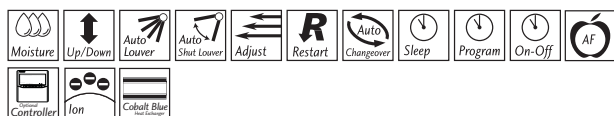
www.fujitsugeneral.co.nz

Compact Floor Console:

The Compact Floor console is surprisingly efficient, with its elegant design.



AGTV09/14L



AGTV09L



Hi-EER: 4.33 (W/W)

Hi-COP: 4.32 (W/W)

C 2.6kW **H** 3.5kW

AGTV14L



Hi-EER: 3.68 (W/W)

Hi-COP: 3.61 (W/W)

C 4.2kW **H** 5.2kW



Infra red remote control



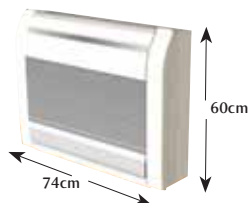
UTB-TUD
Wall controller with
weekly/set-back timer
(Optional)



AOTV09LAC
AOTV14LAC/AOTV14LAL

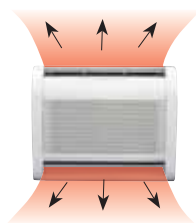
Very Compact

At just 60cm high and 74cm long, this model is discreet and attractive – could be used to replace night storage heaters or wall heaters.



Dual Fan

Twin fans and the option of using the top fan only gives you total control, and fast heating (or cooling in summer) of the entire room.



Apple-Catechin Filter

Fine dust, invisible mould spores and harmful micro organisms are absorbed onto the filter by static electricity and further growth is inhibited and deactivated.

Long-Life Ion Deodorisation Filter

The filter reduces common household odours, kitchen and pet smells by powerfully absorbing and decomposing them.

10°C Hold Temperature

The room temperature can be maintained at 10°C so as to prevent the room temperature from falling too far.

Coil Dry Button

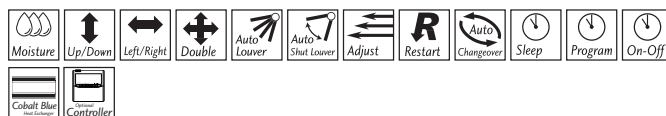
An approx 30 minute operation that prevents mould and bacteria growing on the indoor unit heat exchanger, for a cleaner and healthier environment.

Floor Console:

The Floor consoles can also be installed as an under ceiling unit with the flick of a switch (by the installer).



ABTF18/24L



ABTF18L



Hi-EER: 3.21 (W/W)

Hi-COP: 3.61 (W/W)

C 5.2kW **H** 6.0kW

ABTF24L



Hi-EER: 3.11 (W/W)

Hi-COP: 3.61 (W/W)

C 7.1kW **H** 8.0kW



Infra red remote control



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

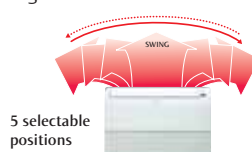


AOTA18LACL/AOTA18LALL
AOTA24LACL/AOTA24LALL

Double Auto Swing and Super Vane

A combination of up/down and left/right air direction swing allows three-dimensional air direction control. Enhanced by the Super Vane Louvre design quicker and broader temperature change is enabled.

Right and left



Up and down



Flexible Installation



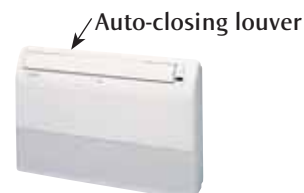
Floor



Under Ceiling

Auto-closing Louver

This function is common to all Fujitsu models except the duct type.



SPECIFICATIONS

Type			FLOOR INVERTER	FLOOR INVERTER	FLOOR/CEILING INVERTER	FLOOR/CEILING INVERTER	
		Indoor Unit	AGTV09LAC	AGTV14LAC	ABTF18LAT	ABTF24LAT	
MODEL No.	Outdoor Unit		AOTV09LAC	AOTV14LAC/ AOTV14LALL	AOTA18LACL/ AOTA18LALL	AOTA24LACL/ AOTA24LALL	
Cooling Capacities		kW	2.6	4.2	5.2	7.1	
Cooling Range		kW	0.9 - 3.5	0.9 - 5.0	0.9 - 5.9	0.9 - 8.0	
Heating Capacities		kW	3.5	5.2	6.0	8.0	
Heating Range		kW	0.9 - 5.5	0.9 - 8.0	0.9 - 7.5	0.9 - 9.1	
Star Rating	Cool		6	5.5	5	4.5	
	Heat		6	5	5	5	
E.E.R Cool		W/W	4.33	3.44	3.21	3.11	
C.O.P Heat		W/W	4.32	3.61	3.61	3.61	
Running Current	Cool	Amps	2.8 (7.0 Max)	5.3 (9.0 Max)	6.8 (9.5 Max)	9.6 (12.5 Max)	
	Heat	Amps	3.8 (10.0 Max)	6.1 (13.5 Max)	7.0 (13.0 Max)	9.3 (14.0 Max)	
Input Power	Cool	kW	0.6 (1.4 Max)	1.14 (1.9 Max)	1.62 (2.26 Max)	2.28 (2.97 Max)	
	Heat	kW	0.81 (2.2 Max)	1.44 (2.95 Max)	1.66 (3.09 Max)	2.21 (3.33 Max)	
Moisture Removal		L/Hr	1.3	2.1	2	2.7	
Fan Speeds			4	4	4	4	
Air Circulation	Max	l/s	167 Upper & Lower	180 Upper & Lower	217	272	
	Quiet	DbA at 1m	22	22	32	36	
Indoor Sound	Low	DbA at 1m	29	31	35	41	
	Med	DbA at 1m	35	38	41	45	
Pressure Level	High	DbA at 1m	40	44	44	49	
		DbA at 1m	48	50	50	53	
Outdoor Sound Pressure Level		DbA	N/A	N/A	65	68	
Dimensions and Weights	I.U	Height	mm	600	600	655	655
		Width	mm	740	740	990	990
		Depth	mm	200	200	199	199
		Net Weight	kg	14	14	27	27
	O.U	Height	mm	540	540	578	578
		Width	mm	790	790	790	790
		Depth	mm	290	300	300	315
		Net Weight	kg	40	44	40	40
Interconnect cables - size		Qty - mm2	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	
Recommended Min. Power Cable		mm2	2.5	2.5	4	4	
Phase - Frequency		Ph - Hz	1 - 50	1 - 50	1 - 50	1 - 50	
Power Supply		Volts	230	230	230	230	
Connection Pipe Sizes	Gas	mm	9.52	12.7	12.7	15.88	
	Liquid	mm	6.35	6.35	6.35	6.35	
Minimum Pipe Length		Metre	3	3	5	5	
Maximum Pipe Length		Metre	20	20	25	30	
Maximum Pipe Height		Metre	15	15	15	20	
Pre Charged Length		Metre	15	15	15	15	
Outdoor Operating Temperature	Cool	Degree C	-10 to 43	-10 to 43	-10 to 46	-10 to 46	
	Heat	Degree C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	

EXPLANATION OF FEATURES (MODEL DEPENDENT)



Moisture Removal
Able to provide some effective dehumidifying in summer.



Up/Down Swing Louvers
The up/down louvers automatically swing to up and down.



Right/Left Swing Louvers
The right/left louvers automatically swing in either direction.



Double Swing Automatic
Complex swing action of louvers enables automatically to swing both horizontal and vertical directions.



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 auto-matically 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.



Washable Panel



Long-life Ion deodorisation filter



Apple-catechin filter



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). * Selected ducted units only.



Wall Controller - Optional
Smart, easy-to-use wall 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.



Cooling



Heating



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.

JAS-ANZ



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: EC98J1137

Hamamatsu Fujitsu General Ltd.



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.