FUJITSU Nocria® Ceiling Wall

MARCH 2010

INVERTER

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

ENERGY STAR

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.

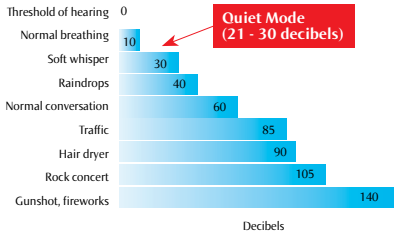
NEW ZEALAND'S MOST EFFICIENT

Most Energy Efficient Heat Pump 2009/10 Annual Award WINNER FUJITSU

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 models (simply put the AWTZ14L with a COP of 4.44 means you will get 4.44kW of heat for every 1kW of energy used - over 4 times more for your dollar. Now that's efficient!

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

kW EzEcalc

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

The Amazing Nocria Inverter

AOTZ14LBC/AOTZ14LBL
AOTZ18LBC/AOTZ18LBL

AOTZ24LBT

Moisture | Up/Down | Left/Right | Double | Auto Louvers | Auto Shut Louvers | Adjust | Restart | Auto Changeover | Sleep | Program | On-Off | Wash | Cobalt Blue

ALL DC

AWTZ14L

Hi-EER: 4.12 (W/W)

Hi-COP: 4.44 (W/W)

C 4.2kW H 6.0kW

ALL DC

AWTZ18L

Hi-EER: 3.29 (W/W)

Hi-COP: 4.11 (W/W)

C 5.2kW H 6.7kW

ALL DC

AWTZ24L

Hi-EER: 3.01 (W/W)

Hi-COP: 3.62 (W/W)

C 7.4kW H 8.5kW

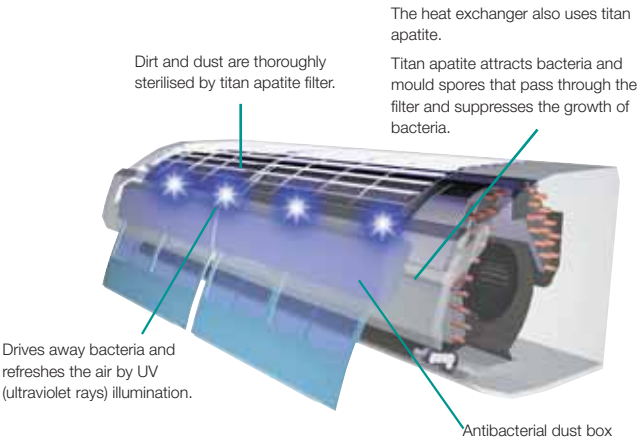
THE WORLD'S MOST ADVANCED HEAT PUMP

Hi Power Operation

By pushing the 'Hi Power' button of the remote control this will enable the heat pump to operate at maximum capacity until it has reached the desired room temperature.

It Cleans Itself!

Automatic filter cleaning not only saves you time, it saves energy by ensuring that the filters are never clogged, so it will always be operating at peak efficiency.



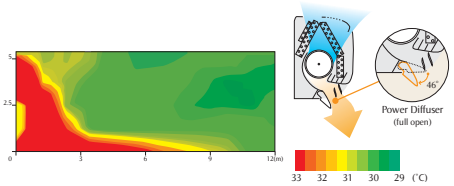
Lower Running Cost

Outputs from 6kW of heat for every 1.34kW of power used... So you'll get over $6 dollars of heat for every $1.40 you spend. That will save your power bill.

Removes Air-born Bacteria and Odours

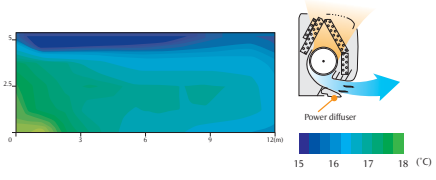
Brilliant new UV illumination removes bacteria from the air, and titan apatite filters remove dust, dirt and household odours.

Strong Vertical Air Flow Provides Powerful Floor Level Heating.



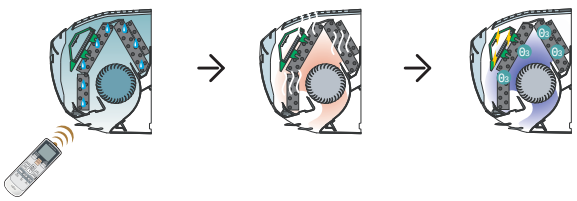
Outside air conditions: 2°C 60%
Operation contents: Heating, Set temperature (Max set temp) 30°C, Air flow Hi, Air direction downward and front.

Healthy Horizontal Air Flow Does Not Blow Cool Air Directly at the Occupants in the Room.



Outside air conditions: 35°C 40%
Operation contents: Cooling, Set temperature (Min set temp) 18°C, Air flow Hi, Air direction downward and front.

Inner Drying Operation Prevents Growth of Mould, Fungus and Bad Odours.



SPECIFICATIONS

Type				NOCRIA	NOCRIA	NOCRIA
MODEL No.	Indoor Unit			AWTZ14LBC	AWTZ18LBC	AWTZ24LBC
	Outdoor Unit			AOTZ14LBC/AOTZ14LBL	AOTZ18LBC/AOTZ18LBL	AOTZ24LBT
Cooling Capacities			kW	4.1	5.2	7.4
Cooling Range			kW	0.9 - 5.3	0.9 - 5.9	0.9 - 8.0
Heating Capacities			kW	6.0	6.7	8.5
Heating Range			kW	0.9 - 9.1	0.9 - 9.7	0.9 - 10.6
Energy Star Rating		Cool		6	5	4
		Heat		6	6	5
E.E.R Cool		Cool	W/W	4.12	3.29	3.02
C.O.P Heat		Heat	W/W	4.44	4.11	3.61
Running Current		Cool	Amps	4.3 (8.5 Max)	6.6 (8.5 Max)	10.4 (12.5 Max)
		Heat	Amps	5.7 (14 Max)	6.9 (14 Max)	9.9 (17.5 Max)
Input Power		Cool	kW	1.02 (1.75 Max)	1.58 (2.0 Max)	2.46 (2.62 Max)
		Heat	kW	1.35 (2.95 Max)	1.63 (3.2 Max)	2.35 (3.68 Max)
Moisture Removal			L/Hr	2.1	2.8	3
Fan Speeds				5	5	5
Air Circulation		Max	l/s	261	261	272
Indoor Sound Pressure Level		S-Quiet	Dba at 1m	24	24	32
		Quiet	Dba at 1m	29	29	36
		Low	Dba at 1m	34	34	40
		Med	Dba at 1m	39	39	43
		High	Dba at 1m	46	46	47
Outdoor Sound Pressure Level			Dba at 1m	47	48	54
Outdoor Sound Power Level			Dba	65	65	68
Dimensions and Weight	I.U	Height	mm	250	250	250
		Width	mm	899	899	899
		Depth	mm	298	298	298
		Net Weight	kg	13.5	13.5	14
	O.U	Height	mm	578	578	830
		Width	mm	790	790	900
		Depth	mm	300	315	330
		Net Weight	kg	39	39	62
Interconnect Cables - Size			Qty - mm2	4 - 2.5	4 - 2.5	4 - 1.5
Recommended Min. Power Cable			mm2	2.5	2.5	4
Phase - Frequency			Ph - Hz	1 - 50	1 - 50	1 - 50
Power Supply Attachment				Indoor	Indoor	Outdoor
Power Supply			Volts	230	230	230
Plug Size (if applicable)				15 Amp	15 Amp	N/A
Connection Pipe Sizes		Gas	mm	12.7	12.7	15.88
		Liquid	mm	6.35	6.35	6.35
Minimum Pipe Length			Metre	3	3	5
Maximum Pipe Length			Metre	20	20	30
Maximum Pipe Height			Metre	15	15	20
Pre Charged Length			Metre	15	15	15
Outdoor Operating Temperature		Cool	Degree C	-10 to 43	-10 to 43	-10 to 43
		Heat	Degree C	-15 to 24	-15 to 24	-15 to 24

FUJITSU HEAT PUMPS

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 FEATURES

Moisture Removal
The computer effectively dehumidifies the air.

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 flaps 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.

Washable Panel

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

EXPLANATION OF TERMS

Capacity – the higher the capacity, the more area and faster the heat pump will heat (and cool) the room.

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.
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.

N807
All products specified in this brochure comply with the Australian Communications Authority's (ACA) requirements for Electromagnetic Compatibility (EMC).

ENERGY STAR
THE GLOBAL MARK OF ENERGY EFFICIENCY

FULL PARTS & LABOUR 5 YEARS WARRANTY

FULL PARTS & LABOUR 6 YEARS EXTENDED WARRANTY
FUJITSU ACCREDITED INSTALLER COMFORT WARRANTY

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

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