

# FUJITSU Nocria® Ceiling Wall



NEW ZEALAND'S FAVOURITE AIR™

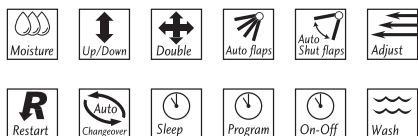
FUJITSU

INVERTER

Ceiling Wall

Nocria®

The revolutionary NOCRIA ceiling wall models have vastly improved heating and cooling efficiency and energy saving. These elegant units are designed to sit very high on the wall, just 40mm below the ceiling and remain very unobtrusive. The automatic self cleaning filter system ensures highly efficient operation and the UV filter disinfects and deodorises the air.



AWTZ18LB



Hi-COP:4.11(W/W)

5.20kW/ 17,700BTU/h

6.70kW/ 22,900BTU/h



AWTZ24LBC



Hi-COP:3.62(W/W)

7.40kW/ 25,200BTU/h

8.50kW/ 29,000BTU/h



## Our unique technology that achieved top energy efficiency in the industry.

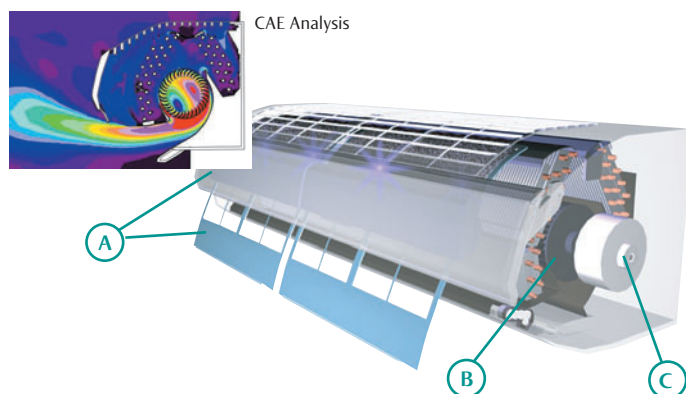
### A Energy saving by automatic filter cleaning function.

This function allows an energy saving of more than 25% a year and maintains a smooth air flow by preventing the filters from being clogged with dust.

WORLD FIRST!

### B Computer-designed fan provides a larger air flow than conventional models.

New air trunk, which provides a smooth air flow & gap fan motor increase the maximum air flow by 10% over that of conventional models. CAE: Computer aided engineering



### C Axial gap fan motor enables non-conventional high power and high efficiency.

WORLD FIRST!

Axial gap method

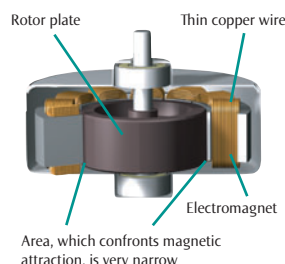
Rotor plates are installed above & below electromagnets.

Features (Compared to conventional models)

- Compact size with 1.5 more power output.
- Self-driven method increases rotating efficiency by 10%.
- Our electromagnetic field simulation technology enables low vibration and low noise.

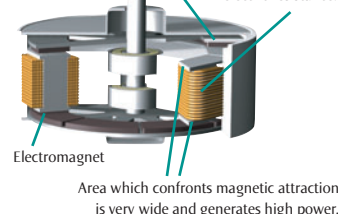
#### CONVENTIONAL MOTOR

Rotor is bounded by electromagnet.

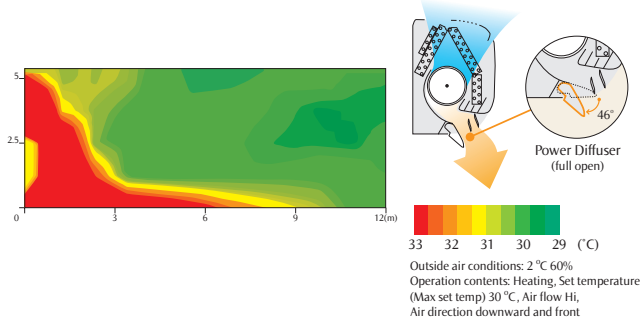


#### NEW MODEL

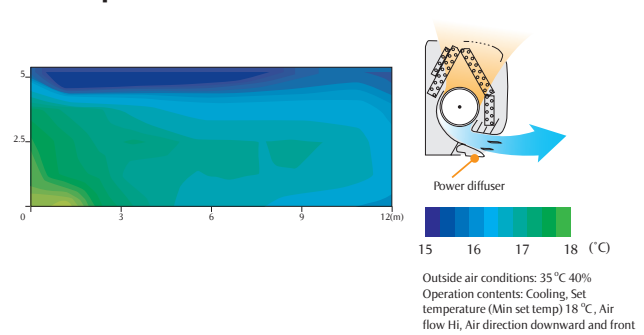
Thin copper wire reduced electric resistance.



## ■ Strong vertical air flow provides powerful floor level heating.



## ■ Healthy horizontal air flow does not blow cool air directly at the occupants in the room.



## ■ Automatic filter clean

**WORLD FIRST!**

Entire filter is cleaned automatically in approximately 2 minutes.

Since the filter is cleaned automatically, energy saving capability is displayed without regard to the load on the air conditioner.

### Energy saving.

If the energy saving effect is maintained, filter cleaning once every two weeks is effective.

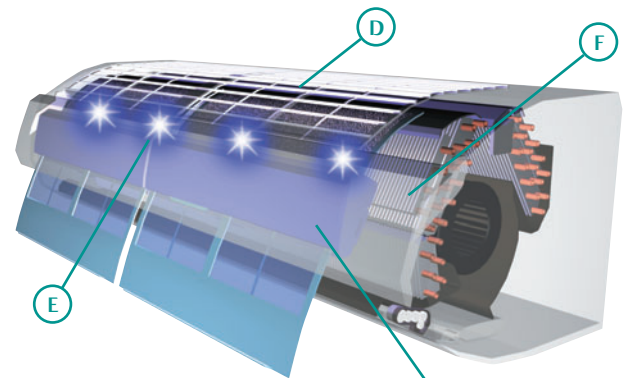
Three exhaustive sterilizing and deodorizing counter measures keep the air in the room clean.

If the energy saving effect is maintained, filter cleaning once every two weeks is effective.

### STERILIZING COUNTER MEASURE

#### ⓓ Dirt and dust are thoroughly sterilized by titan apatite filter\*

\*Displays double the effect of a conventional optical medium & retains its property for a long time to suck in and remove approximately 99.99% of cigarette odours and bacteria, etc.



#### Antibacterial dust box

Removes dirt and dust by double brushes. Dust collection is approximately twice that in the past. Maintenance: Only throwing into a trash bin once every two years

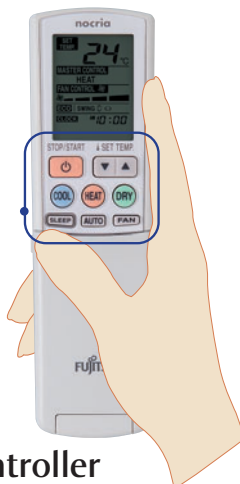
#### ⓔ Drives away bacteria and refreshes the air by UV (ultraviolet rays) illumination. **WORLD FIRST!**

#### ⓕ The heat exchanger also uses titan apatite.

Titan apatite attracts bacteria and mould spores that passed through the filter and suppresses the growth of bacteria.

## ■ Remote controller

Frequently used parts are clearly visible at the centre. The operation mode can be directly selected.



## ■ Inner drying operation prevents growth of mould, fungus and bad odour.

This model is equipped with an inner drying function. After the power is turned off, the drying operation starts inside the air conditioner.

### Covered in Beading

Bacteria grows in beading and causes bad odour.

After operation ends, by pressing the COIL DRY button a 30 minute speed cleaning operation will commence.

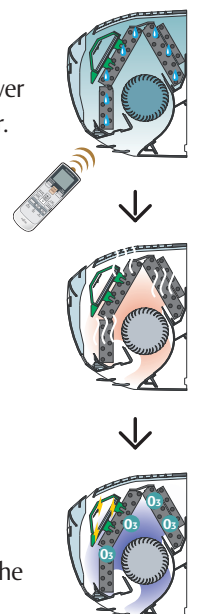
### Removes Moisture

Drying operation takes approx. 15 minutes.

### Sterilisation

UV sterilisation operation takes approx. 15 minutes.

“Inner drying operation” and “UV sterilising operation” keep the inside of the air conditioner clean at all times. That’s why air from the air conditioner is always clean and high efficiency is achieved.






























## SPECIFICATIONS

Type			NOCRIA	NOCRIA	
Model No.	Indoor Unit		AWTZ18LBC	AWTZ24LBC	
	Outdoor Unit		AOTZ18LBC	AOTZ24LBC	
Reverse Cycle			Yes	Yes	
Cooling Capacities	Watts		5,200	7,400	
	BTU/Hr		17,700	25,200	
Cooling Range	Watts		900 - 5,900	900 - 8,000	
	BTU/Hr		3,100 - 20,100	3,100 - 27,320	
Heating Capacities	Watts		6,700	8,500	
	BTU/Hr		22,900	29,000	
Heating Range	Watts		900 - 9,700	900 -10,600	
	BTU/Hr		3,100 - 33,100	3,100 - 36,200	
Star Rating	Cool		5	4	
	Heat		6	4	
E.E.R	Cool	W/W	3.29	3.023	
C.O.P	Heat	W/W	4.11	3.613	
Running Current	Cool	Amps	6.6 (8.5 Max)	10.4	
	Heat	Amps	6.9 (14 Max)	9.9	
Input Power	Cool	Watts	1,580 (90 - 2,000)	2,460	
	Heat	Watts	1,630 (90 - 3,200)	2,350	
Moisture Removal			L/Hr	2.8	3
Fan Speeds			5	5	
Air Circulation			I/s	236	244
Indoor Sound Pressure Level	S-Quiet	Dba at 1m	24	32	
	Quiet	Dba at 1m	29	36	
	Low	Dba at 1m	35	40	
	Med	Dba at 1m	43	43	
	High	Dba at 1m	46	47	
Outdoor Sound Pressure Level			Dba at 1m	47	53
Outdoor Sound Power Level			Dba	65	68
Dimensions and Weights	I.U	Height	mm	250	250
		Width	mm	899	899
		Depth	mm	298	298
		Net Weight	kg	13.5	14
	O.U	Height	mm	578	830
		Width	mm	790	900
		Depth	mm	315	330
		Net Weight	kg	39	62
Compressor Type			Rotary	Rotary	
Interconnect cables - size		Qty - mm <sup>2</sup>	4 - 2.5	4 - 2.5	
Recommended Min. Power Cable		mm <sup>2</sup>	2.5	4	
Phase - Frequency		Ph - Hz	1 - 50	1 - 50	
Power Supply Attachment			Indoor	Outdoor	
Power Supply		Volts	230	230	
Plug Size (if applicable)			15 Amp	N/A	
Refrigerant Type			R410a	R410a	
Connection Pipe Sizes	Gas	mm	12.7	15.88	
	Liquid	mm	6.35	6.35	
Minimum Pipe Length			Metre	3	
Maximum Pipe Length			Metre	20	
Maximum Pipe Height			Metre	15	
Pre Charge Length			Metre	15	
Pipe Connection Method			Flare	Flare	
Outdoor Operating Temp	Cool	Degree C	-10 to 43	-10 to 43	
	Heat	Degree C	-15 to 24	-15 to 24	

Body colour is white on all models. The heating method employed is the "Reverse Cycle Heating System" on all heating and cooling compatible models. Cooling/Heating capacities are based on AS/NZS 3823. Sound power level (cooling) is rated in accordance with AS 1217. Specifications and design subject to change without notice for further improvement. Please check with your dealer. MUST BE INSTALLED AND SERVICED BY ACCREDITED AIR CONDITIONING SPECIALIST. Recommended cable sizes are based on AS/NZS3000 and AS/NZS3008.

## EXPLANATION OF FEATURES

	<b>Moisture Removal</b> The computer effectively dehumidifies the air.		<b>Automatic Air Flow Adjustment</b> The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.		<b>ON-OFF Timer</b> ON-OFF timer can be set to operate once.		<b>Washable Panel</b>
	<b>Up/Down Swing Flaps</b> The up/down flaps automatically swing to up and down.		<b>Auto Restart</b> 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.		<b>Weekly Timer</b> Different on-off times can be set for each day.		<b>Long-life Ion deodorization filter</b>
	<b>Right/Left Swing Flaps</b> The right/left flaps automatically swing in either direction.		<b>Auto-Changeover</b> The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.		<b>Weekly + Setback Timer</b> Weekly + Setback timer can set temperature for two time spans and for each day of the week.		<b>Long-life photocatalytic deodorizing filter</b>
	<b>Double Swing Automatic</b> Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.		<b>Sleep Timer</b> The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.		<b>Connectable Distributing Duct</b> Conditioned air can be distributed by means of a distribution duct.		<b>Apple-catechin filter</b>
	<b>Automatic Flaps</b> The position of the flaps is set automatically to match the operating mode. It is also possible to adjust the flaps using the remote control.		<b>Program Timer</b> This digital timer allows selection of one of four options. ON, OFF, ON → OFF, or OFF → ON.		<b>Connectable Fresh Air Duct</b> Duct connection port hole opening. Fresh air can be introduced through this opening.		<b>Wasabi antibacterial electrostatic filter</b>
	<b>Auto Shut Flaps</b> The auto shut flaps close or open automatically when the unit stops or starts.				<b>Fresh air intake</b> Fresh air can be taken in by a fan which can be connected using UTD-EC55A (optional parts).		<b>Top Energy Saver Award</b> For the most energy efficient Star Rated Products.
							<b>Cooling</b>
							<b>H Heating</b>



NEW ZEALAND'S FAVOURITE AIR™

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

Products in this brochure contain R410A refrigerant.

Please refer to specifications before installation & servicing this product.

Equipment in this brochure must be installed and serviced by an Accredited Air Conditioning Specialist.

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

Heating and cooling capacities are based on AS/NZS 3823.

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.

