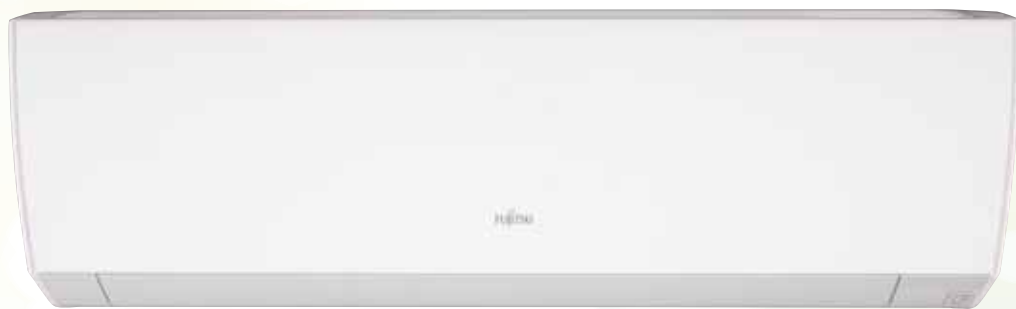


The Fujitsu **e3** series

Fujitsu re-invents the heat pump



The all-new **e3** series

e1 : efficiency

e2 : environment

e3 : economy

THE HOME COMFORT SPECIALISTS



NEW ZEALAND'S FAVOURITE AIR®

e3series

New levels of energy efficiency in heating

The Fujitsu e3 series uses a totally new thermodynamic system to heat or cool your home environment. This system will deliver more heat for your dollar than ever before. Even better, it is a significant environmental improvement on previous heat pump systems with zero ozone depletion as well as reduced global warming potential.



More comfort and energy saving features

- Human sensor control
- Power diffuser for faster, more comfortable airflow



More user friendly control

- Comfort and energy saving control with a one-touch 7-day 'set-and-forget' timer



The Fujitsu features and engineering you expect

- Highest quality Healthy Air Filters
- Very quiet operation
- Slim, compact and elegant design





e3series

FUJITSU

Wall mounted e3series



ASTG09KMCA

Heating capacity: 3.2kW
Heating efficiency: COP 4.92
Cooling capacity: 2.5kW
Cooling efficiency: EER 4.90



ASTG12KMCA

Heating capacity: 3.7kW
Heating efficiency: COP 4.57
Cooling capacity: 3.5kW
Cooling efficiency: EER 4.07



ASTG18KMCA

Heating capacity: 6.0kW
Heating efficiency: COP 4.23
Cooling capacity: 5.0kW
Cooling efficiency: EER 4.10

ASTG22KMCA




















Heating capacity: 7.2kW
Heating efficiency: COP 4.07
Cooling capacity: 6.0kW
Cooling efficiency: EER 3.77

ASTG24KMCA

Heating capacity: 8.0kW
Heating efficiency: COP 3.77
Cooling capacity: 7.1kW
Cooling efficiency: EER 3.53



Feature summary

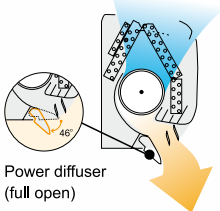
																				
ASTG09/12KMCA	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
ASTG18/22/24KMCA	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■



High density heat exchanger

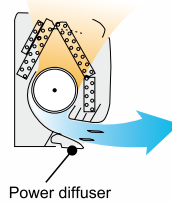
Power diffuser

The diffuser operates automatically to match the heating or cooling mode. The result is faster comfort, more efficiently.



During heating, vertical airflow provides comfortable floor level heating quickly and effectively.

Heating



During cooling, long-reach is delivered by horizontal airflow, to quickly reach the temperature you want in every corner of the room.

Cooling

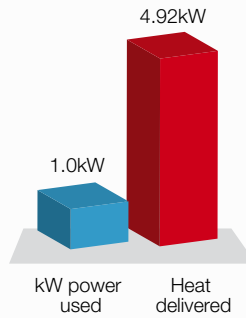


Brilliant energy efficiency

High energy saving is achieved with DC rotary compressors, All DC inverter control, efficient and high-density heat exchanger technology and the new efficient R32 thermodynamic system.

The ASTG09KMCA has achieved a “STAR RATING” of 5.0 for both heating and cooling and delivers 4.92kW of heat for every 1kW of power used.

Other models have also achieve top class high energy efficiency.



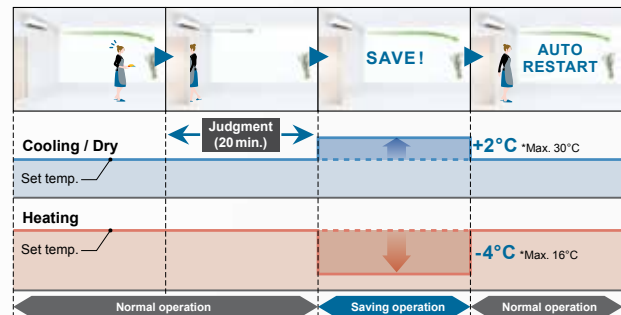
Heating efficiency varies by kW capacity of model. Example shown is for ASTG09KMCA



Energy saving control

Human sensor control

The human sensor infrared technology senses human presence (and not just movement). So it will switch to saving operation 20 minutes after people leave the room. This will reduce the temperature by a maximum of 4°C when in heating mode, until someone returns to the room – when the heat pump will return to the original settings.



Human sensor's coverage

Human presence is detected in the room accurately by pyroelectric infrared sensor, which has a range of 6 metres, between 90 degrees vertically and 100 degrees horizontally.



Our advanced technology

High density heat exchanger

Heat exchange efficiency is substantially improved by the high-density slim, 5mm diameter tube heat exchanger.



ALL DC All DC inverter technology

Power consumption is substantially reduced DC Inverter Fan motors and DC Rotary Compressors.



More comfort, more friendly

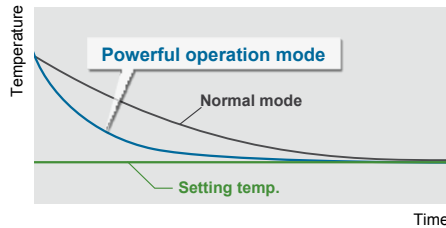


Instant comfort with just one touch



Powerful operation

20 minutes continuous 'extra power' boost. Rapid heating and cooling is achieved with one button - to provide 20 minutes of maximum air flow and maximum compressor speed.



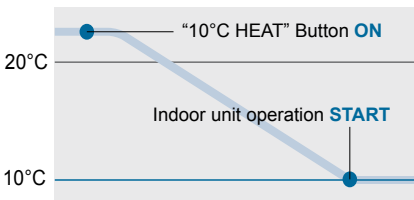
Please Note:

Powerful mode operates for 6 minutes or more, and stops automatically when set temperature is reached or after 20 minutes.



10°C HEAT operation

The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied



Please Note:

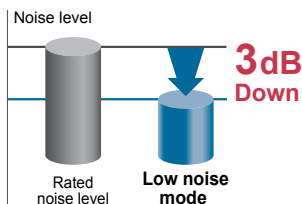
- When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

- When "10°C HEAT" operation stops, the room set temperature quickly returns to the preset temperature.



Low noise mode for outdoor unit

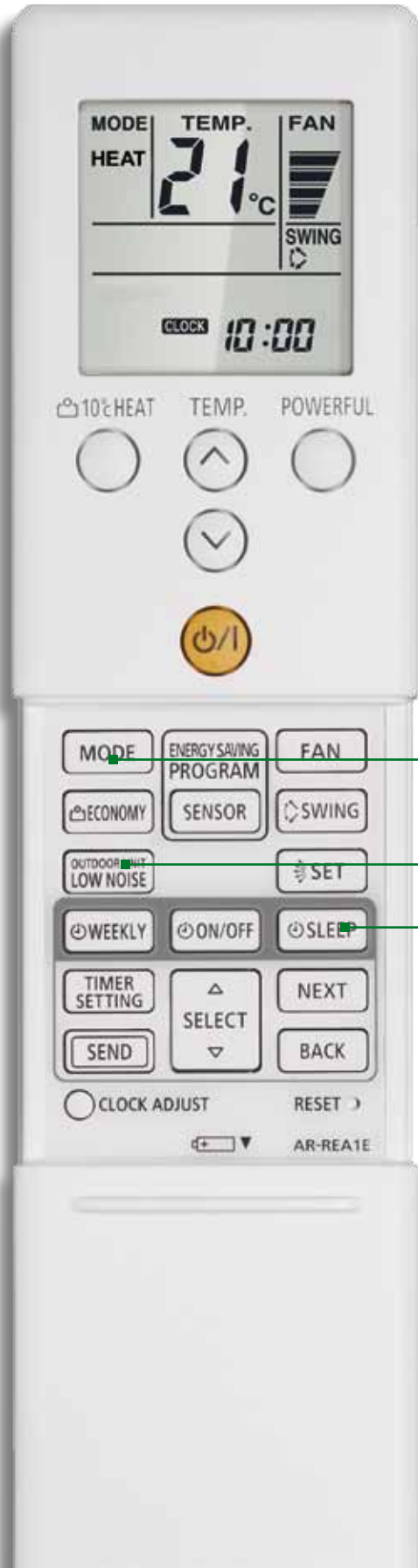
Low noise mode of outdoor unit can be selected by wireless remote controller.



This smart, very thin remote has a large, easy-to-view LCD display with a one-touch button.

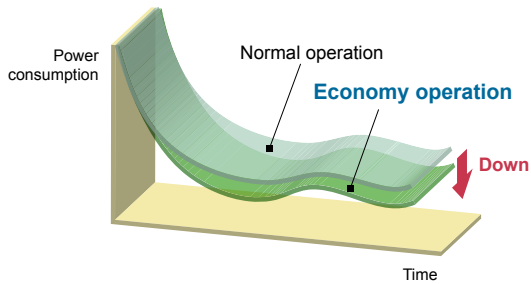
Slim and easy-to-use design

Best of all is a built-in 7-day timer, so you need only set, then forget.



Economy operation

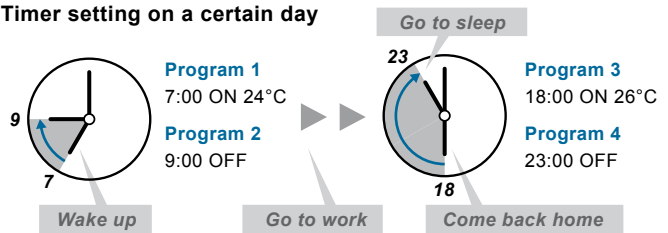
Energy-saving operation can be selected with just one touch. Then lower power consumption comes into operation by cutting the maximum current.



Program timer

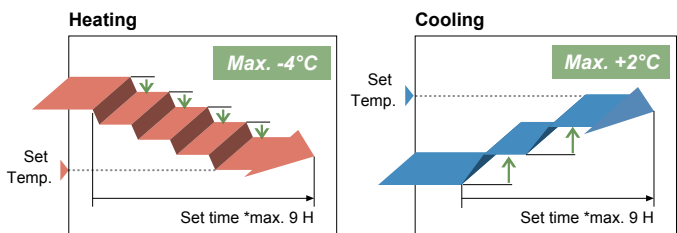
ON/OFF timer can be set four times per day. For example, 2 programs at waking up and going to sleep can be set. Various waste-free programs can be set to match your lifestyle.

Timer setting on a certain day



Sleep timer

The set temperature is gradually stepped down to match your body's requirements as you fall asleep, and then automatically and gradually stepped back up before waking.



*Sleep timer setting : 0.5, 1, 2, 3, 5, 7, 9 H

Why choose Fujitsu?



The Home Comfort Specialists

Fujitsu General has specialised in designing and producing Heat Pumps for well over 40 years.

Our advanced models are engineered to fit seamlessly into your home lifestyle, starting with a comprehensive range that will suit all Kiwi homes. You will find compact designs, healthy air features, leading energy savings and whisper quiet operation. In fact, you'll hardly notice your new heat pump is there – except for a warmer (or cooler), healthier and more comfortable home environment.

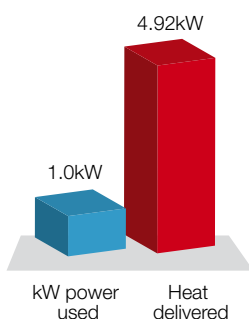


More ENERGY STAR® heat pumps

Fujitsu's range is totally comprehensive – in fact we have more ENERGY STAR® qualified heat pumps than any other brand. That means we have the right energy efficient model for your home, wherever you live in New Zealand.

Better heat efficiency

With the increasing cost of power it's becoming more and more important to reduce energy consumption in the home. You already know that heat pumps are the most energy efficient form of heating, but it's also good to know that Fujitsu leads the way with unique energy saving features ensuring you will receive the best possible economy across a wider range of models – often delivering almost 5 times the heat for the amount of energy used.



Heating efficiency varies by kW capacity of model. Example shown is for e3-series (ASTG09KMCA).

Lower running costs

Fujitsu's DC and Inverter technologies have more power savings than ever before.

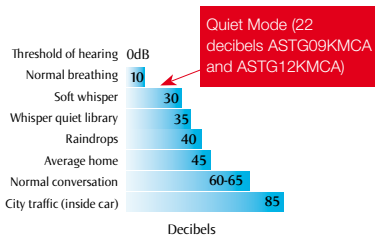
The savings on heating are significant, and in addition, Fujitsu has extra power saving features, for even more economical running. That's why we have more ENERGY STAR® qualified heat pumps than any other brand.



Only Fujitsu heat pumps are recommended by Asthma New Zealand

A fresher healthier home

We are leaders in air purifying and deodorising filters that absorb minute dust particles, invisible mould spores, pollen and other harmful micro organisms, to provide a warmer, dryer, healthier environment for the whole family.



Just quietly

Brilliant fan technology plus ‘quiet mode’ means noise is never an issue with Fujitsu. Compare our decibel levels, and you’ll see that even our larger models are whisper quiet. Quietness is a Fujitsu fact – not just an advertising claim.

Compact outside units with blue fin heat exchanger

Fujitsu’s outside units are compact, with low operating noise from the efficient airflow structure.



Importantly, Fujitsu’s outside unit heat exchanger fins are also specially coated with Cobalt Blue – to help protect against corrosion and enhance the durability as well as extend the performance life of your Fujitsu heat pump.

Accredited consultants



Fujitsu is the only company in New Zealand that runs the respected Accreditation Programme for independent heat pump consultants and installers.

To achieve Accreditation, the tradesman must satisfy Fujitsu that they have the experience, skill and equipment to recommend and install your new heat pump in accordance with the manufacturer requirements, applying sound, professional trade practices.

This means that when you use an installer who has achieved our accreditation standards to install a Fujitsu heat pump, you will have the services of a real professional, and we will also give you a 6 year full parts and labour warranty – New Zealand’s longest.

Specifications

Model No.	Indoor Unit		ASTG09KMCA	ASTG12KMCA	ASTG18KMCA	ASTG22KMCA	ASTG24KMCA
	Outdoor Unit		AOTG09KMCA	AOTG12KMCA	AOTG18KMCA	AOTG22KMCA	AOTG24KMCA
CAPACITY (RANGE)	HEAT	kW	3.2 (0.90 - 5.30)	3.7 (0.90 - 5.60)	6.0 (1.05 - 8.30)	7.20 (1.10 - 9.70)	8.0 (1.10 - 10.60)
	COOL	kW	2.5 (0.90 - 3.60)	3.5 (0.90 - 4.10)	5.0 (1.00 - 6.50)	6.0 (1.10 - 7.50)	7.10 (1.10 - 8.30)
INPUT POWER	HEAT/COOL	kW	0.65 / 0.51	0.81 / 0.86	1.42 / 1.22	1.77 / 1.59	2.12 / 2.01
COP	HEAT	kW	4.92	4.57	4.23	4.07	3.77
EER	COOL	kW	4.90	4.07	4.10	3.77	3.53
STAR RATING	HEAT		5.0	4.5	3.5	3.5	3.0
	COOL		5.0	3.5	3.5	3.0	2.5
RUN CURRENT	HEAT/COOL	A	3.3 / 2.7	4.0 / 4.2	6.0 / 5.2	7.5 / 6.7	9.0 / 8.5
MOISTURE REMOVAL		L/Hr	1.3	1.8	2.6	2.7	2.7
NOISE INDOOR Q/L/M/H	COOL	dB(A)	21/31/36/40	21/32/37/42	29/35/40/46	32/37/42/48	32/37/42/49
			47	49	47	49	52
AIR CIRCULATION	INDOOR	l/s	194	200	258	278	311
DIMENSIONS AND WEIGHTS	INDOOR	mm	268 x 840 x 203			295 x 940 x 270	
		kg	8.5			14	
	OUTDOOR	mm	540 x 790 x 290			620 x 790 x 290	
		kg	34			40	
PIPE CONNECTIONS		mm	6.35 / 9.52			6.35 / 12.70	
MAXIMUM PIPE LENGTH (PRECHARGED)		m	20 (20)			30 (20)	
MAX PIPE HEIGHT	HEAT	m	15			20	
	COOL	m	15			20	
OPERATION RANGE	HEAT	degrees				-15 to 24	
	COOL	degrees				10 to 46	
REFRIGERANT						R32	

Note : Specifications are based on the following conditions.

Cooling : Indoor temperature of 27°CDB / 19°CWB, and outdoor temperature of 35°CDB / 24°CWB.

Heating : Indoor temperature of 20°CDB / (15°CWB), and outdoor temperature of 7°CDB / 6°CWB.

Explanation of Features

- i-PAM** i-PAM control models: i-PAM inverter control is a technology which reduces loss by adjusting the current waveform to a better sine waveform.
- DEMAND CONTROL** Demand Control: Restrict the operation of air conditioner base on the demand of energy provider in order to cut the peak load.
- Human Sensor** Human sensor: Human sensor catches movements of people in a room.
- Up/Down** Up / down swing flaps: The up/down flaps automatically swing up and down.
- Double** Double swing automatic: Complex swing action of flaps enables automatically to swing both horizontal and vertical directions.
- Adjust** Automatic air flow adjustment: The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.
- Restart** 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** Auto-changeover: The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- 10°C HEAT** 10°C HEAT operation: The room temperature can be set to go no lower than 10°C, thus ensuring that the room does not get too cold when not occupied.
- Economy** Economy mode: Limits the maximum operation current, and performs operation with the power consumption suppressed.
- Powerful** Powerful mode: Operation at maximum air flow and compressor speed, and quickly makes the room comfortable.
- Low noise** Low noise mode: Sound noise level of outdoor unit can be selected.
- Sleep** Sleep timer: The micro-computer gradually changes the room temperature automatically to afford a comfortable night's sleep.
- Program** Program timer: This digital timer allows selection of one of four options : ON, OFF, ON OFF or OFF ON.

Optional parts



Communication Kit

Choice of various controllers

- Wired Remote Controller
- Simple Remote Controller



LCD Universal

- Wired Remote Controller : UTY-RVNYM (Universal)
- Wired remote controller : UTY-RNNYM
- Simple Remote Controller: UTY-RSNYM
- Communication Kit: UTY-XCBX22 (ASTG09/12KMCA)
- Communication Kit: UTY-TWBXF1 (ASTG18/22/24KMCA)
- External Connect Kit: UTY-XWZX25

Fujitsu General proud sponsors of:



NEW ZEALAND'S FAVOURITE AIR®



6 years full parts and labour warranty (New Zealand's longest) when you use a Heat Pump consultant accredited by Fujitsu