

The Fujitsu **e3**<sup>TM</sup> series

# The New Generation of Heat Pumps



**e3**<sup>TM</sup> series Heat Pumps

State-of-the-art technology  
and features

Come Home to Fujitsu Comfort

**FIT A** **FUJITSU**

# Outstanding energy efficiency in heating

The Fujitsu e3™ series uses the breakthrough R32 thermodynamic system to heat or cool your home environment. This system is more energy efficient in both heating and cooling than earlier Heat Pump systems.



## The Fujitsu features you expect

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



Fujitsu's Catechin Filters are approved by the Asthma and Respiratory Foundation NZ's Sensitive Choice® programme.



Fujitsu is recommended by Asthma New Zealand

## User friendly Control

- Choose the slim remote controller, or built-in e3 Wi-Fi
- Comfort and energy saving control with many features including easy 7-day 'set-and-forget' timer



## More state-of-the-art features

Choose an array of state-of-the-art features, such as

- Wi-Fi control
- Human Sensor
- Power Diffuser
- Quiet mode outside





e3™ series

FUJITSU

## Wall mounted e3™ series



e3™ Classic

Available in  
3.2kW | 3.7kW | 6.0kW | 7.2kW |  
8.0kW | 9.0kW | 10.3kW of heating



e3™ WiFi Edition

Available in  
3.2kW | 3.7kW | 6.0kW | 7.2kW |  
8.0kW | 9.0kW | 10.3kW of heating























e3™ Design

Available in  
3.2kW | 4.3kW | 6.0kW of heating



### Feature summary

|                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|
| ASTG09/12KMCA    | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG18/22/24KMCA | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG30/34KMTA    | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG09/12KMCB    | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG18/22/24KMCB | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG30/34KMTB    | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |
| ASTG09/12/18KUCA | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■   | ■  | ■   | ■   | ■   | ■   | ■   | ■   | ■   |



# e3<sup>TM</sup> Classic series

# State-of-the-art technology and features



## 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

## ASTG24KMCA

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

## ASTG22KMCA

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

## ASTG30KMTA

Heating capacity: 9.0kW  
Heating efficiency: COP 3.84  
Cooling capacity: 8.5kW  
Cooling efficiency: EER 3.45

## ASTG34KMTA

Heating capacity: 10.3kW  
Heating efficiency: COP 3.63  
Cooling capacity: 9.4kW  
Cooling efficiency: EER 3.38



Full explanation of symbols on the back page

ASTG18, 22, 24KMCA & 30, 34KMTA models only >>



The **e3™ Classic series** pioneered the R32 thermodynamic system to heat or cool your home environment. This system can deliver more heat for your dollar than previous systems. Even better, this system also delivers environmental improvements with reduced global warming potential and zero ozone depletion potential.

## MORE FEATURES

### Power Diffuser

Automatically adjusts to optimise heating or cooling mode.



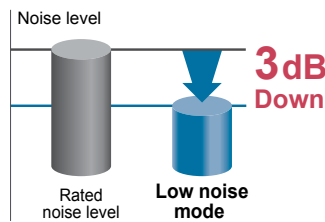
### Human Sensor

When movement is not detected, the energy saving mode activates and the capacity is reduced until the sensor detects human movement again.

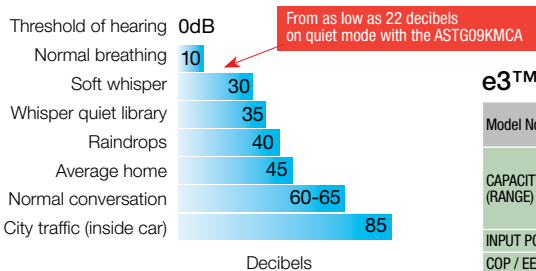


### Quieter outside!

- Low noise mode for outdoor unit



### Quieter than a human whisper



## CONTROLLERS

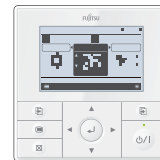
### Remote Controller (Supplied)

- 7-day timer.
- Powerful operation mode (for fast heating).
- Sleep timer – adjusts to your sleeping patterns.



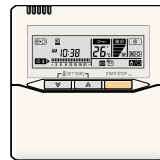
### Optional wall controllers

#### LCD Wall controller



UTY-RVNYN

#### Universal wall controller



UTY-RNNYN

#### Simple wall controller



UTY-RSNNY

#### Touch screen controller



UTY-RNRYZ1\*

\*ASTG30KMCA and ASTG34KMCA only

The optional wall controllers require a communication kit. Speak to your installer about your requirements.

## e3™ Classic series specifications

| Model No.                      | Indoor Unit  |        | ASTG09KMCA           | ASTG12KMCA           | ASTG18KMCA           | ASTG22KMCA            | ASTG24KMCA            | ASTG30KMCA          | ASTG34KMCA           |  |
|--------------------------------|--------------|--------|----------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|----------------------|--|
|                                | Outdoor Unit |        | AOTG09KMCA           | AOTG12KMCA           | AOTG18KMCA           | AOTG22KMCA            | AOTG24KMCA            | AOTG30KMCA          | AOTG34KMCA           |  |
| CAPACITY (RANGE)               | HEAT         | kW     | 3.2<br>(0.90 - 5.30) | 3.7<br>(0.90 - 5.60) | 6.0<br>(1.05 - 8.30) | 7.20<br>(1.10 - 9.70) | 8.0<br>(1.10 - 10.60) | 9.0<br>(2.2 - 11.2) | 10.3<br>(2.7 - 11.7) |  |
|                                | COOL         | kW     | 2.5<br>(0.90 - 3.60) | 3.5<br>(0.90 - 4.10) | 5.0<br>(1.00 - 6.50) | 6.0<br>(1.10 - 7.50)  | 7.10<br>(1.10 - 8.30) | 8.5<br>(2.9 - 10.5) | 9.4<br>(2.9 - 11.2)  |  |
| 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           | 2.34 / 2.46         | 2.84 / 2.78          |  |
| COP / EER                      | HEAT         | kW/kW  | 4.92 / 4.90          | 4.57 / 4.07          | 4.23 / 4.10          | 4.07 / 3.77           | 3.77 / 3.53           | 3.84 / 3.45         | 3.63 / 3.38          |  |
|                                | COOL         |        | 5.0                  | 4.5                  | 3.5                  | 3.5                   | 3.0                   | 3.0                 | 2.5                  |  |
| STAR RATING                    | HEAT         |        | 5.0                  | 4.5                  | 3.5                  | 3.5                   | 3.0                   | 3.0                 | 2.5                  |  |
|                                | COOL         |        | 5.0                  | 3.5                  | 3.5                  | 3.0                   | 2.5                   | 2.0                 | 2.0                  |  |
| 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             | 10.1 / 10.4         | 12.9 / 11.7          |  |
| MOISTURE REMOVAL               |              | L/Hr   | 1.3                  | 1.8                  | 2.6                  | 2.7                   | 2.7                   | 2.5                 | 3.5                  |  |
| INDOOR NOISE Q/L/M/H           | HEAT         | dB(A)  | 22/31/34/40          | 22/32/37/42          | 29/35/40/46          | 32/37/42/48           | 32/37/42/49           | 33/39/44/51         | 33/38/44/51          |  |
| OUTDOOR NOISE                  |              |        | 47                   | 49                   | 48                   | 52                    | 52                    | 54                  |                      |  |
| AIR CIRCULATION                | INDOOR       | l/s    | 194                  | 200                  | 258                  | 278                   | 311                   | 389                 |                      |  |
|                                |              |        |                      |                      |                      |                       |                       |                     |                      |  |
| DIMENSIONS AND WEIGHTS (HXWXD) | INDOOR       | mm     | 268 x 840 x 203      |                      |                      | 295 x 940 x 270       |                       |                     | 340 x 1150 x 280     |  |
|                                |              | kg     | 8.5                  |                      |                      | 14                    |                       |                     | 18                   |  |
|                                | OUTDOOR      | mm     | 540 x 790 x 290      |                      |                      | 620 x 790 x 290       |                       |                     | 830 x 900 x 330      |  |
|                                |              | kg     | 34                   |                      |                      | 40                    |                       |                     | 61                   |  |
| OUTDOOR OPERATING TEMPERATURE  | HEAT         | Degree | -15 to 24            |                      |                      | -10 to 46             |                       |                     | -10 to 46            |  |
|                                | COOL         |        | 10 to 46             |                      |                      | -10 to 46             |                       |                     | -15 to 24            |  |
| REFRIGERANT                    |              |        | R32                  |                      |                      |                       |                       |                     |                      |  |

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.

## Healthy Air Filters

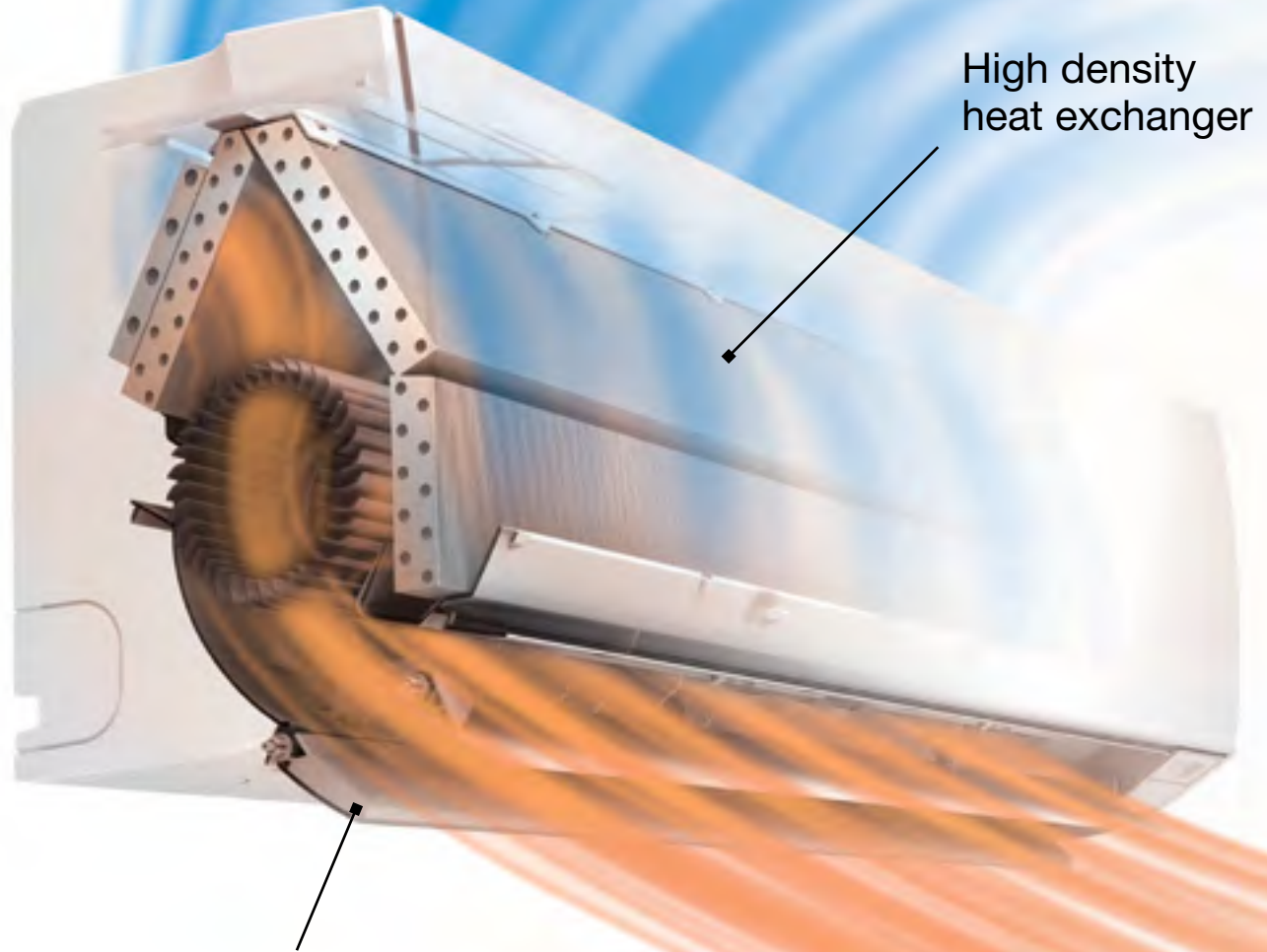
Fujitsu's advanced filter systems contribute to a fresher, cleaner and healthier living environment.



Fujitsu's Catechin Filters are approved by the Asthma and Respiratory Foundation NZ's Sensitiv Choice® programme.



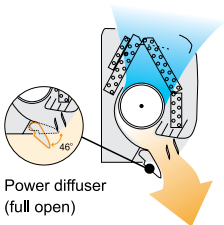
Fujitsu is recommended by Asthma New Zealand



High density heat exchanger

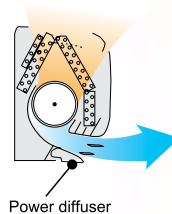
## Power diffuser

Automatically adjusts to optimise heating or cooling mode. The result is faster comfort, more efficiently.



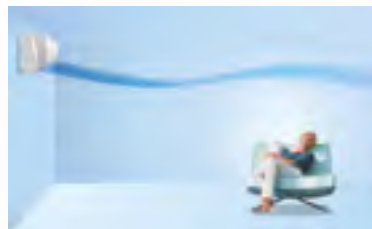
During heating, vertical airflow provides comfortable floor level heating quickly and effectively.

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

Significantly higher energy efficiency has been achieved with Fujitsu's twin rotary DC compressor, DC Inverter control and DC fan motor technologies. This gives infinite control over motion speeds.

The R32 operating system in the e3 range also delivers improved levels of efficiency over previous Fujitsu systems, so that all e3 Heat Pumps achieve superior energy efficiencies.



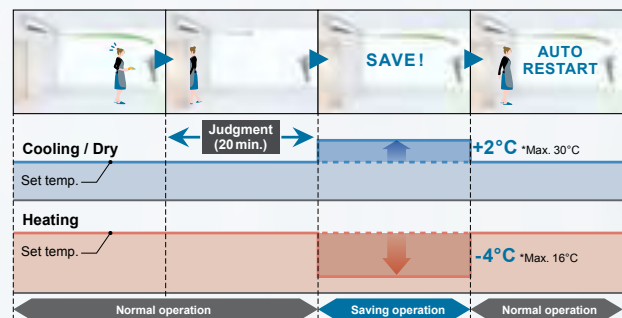
Star rating for Fujitsu's ASTG09KMCA



# Energy saving control

## Human sensor control

When movement is not detected the energy save mode activates, and the capacity is reduced until the sensor detects human movement again.



## Human sensor's coverage

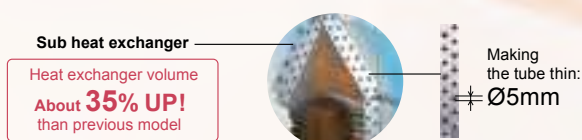
Human presence is detected in the room accurately by pyroelectric infrared sensor, which has a range of 6 metres, between 90 degrees vertically and 100 degrees horizontally.



# 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 by DC Inverter Fan motors and DC Rotary Compressors.



# More comfort, more friendly

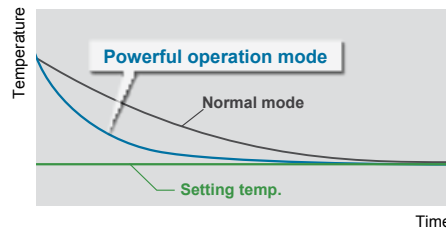


Instant comfort with just one touch



## Powerful operation

Delivers 20 minutes of continuous operation at maximum airflow and maximum compressor speed. This rapid cooling and heating makes the room comfortable faster.



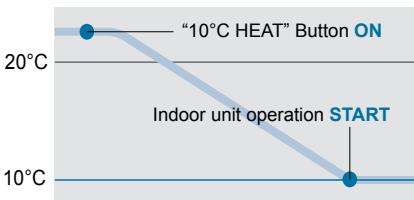
Please Note:

Powerful mode operates for a minimum of 6 minutes, 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:

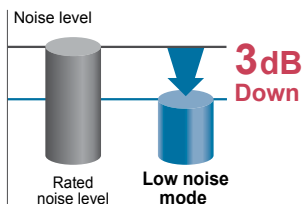
- When the room temperature is higher than 10°C, "10°C HEAT" operation does not start. Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

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



## Low noise mode for outdoor unit

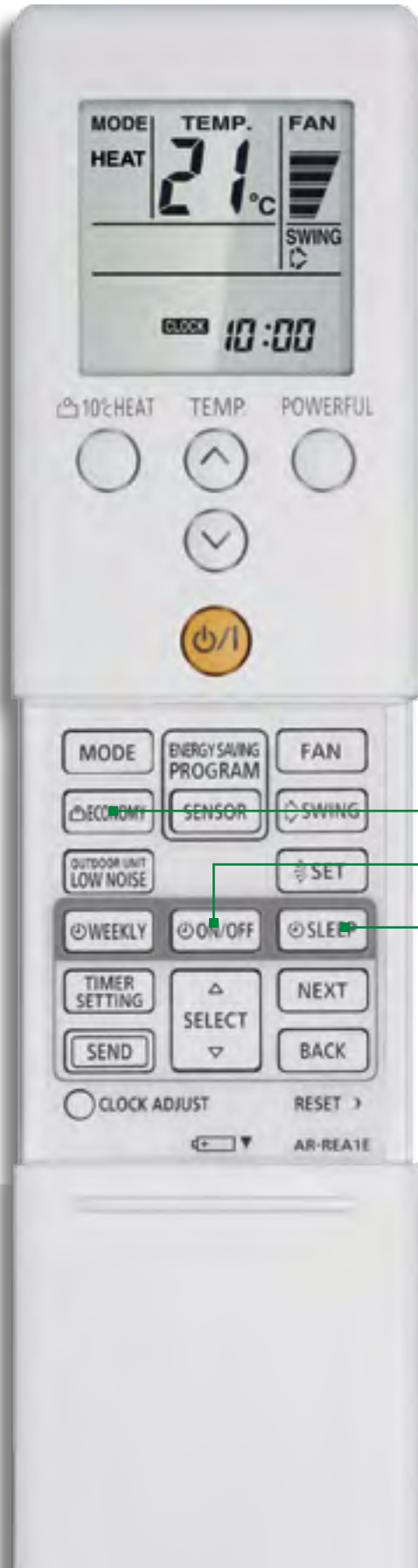
The low noise button on the remote controller makes it easy to switch the outside unit to low noise.



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

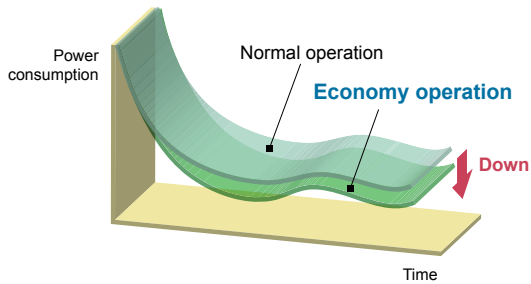
## Slim and easy-to-use design

The **e3** Series remote controller gives you control over many useful Heat Pump functions.



### Economy operation

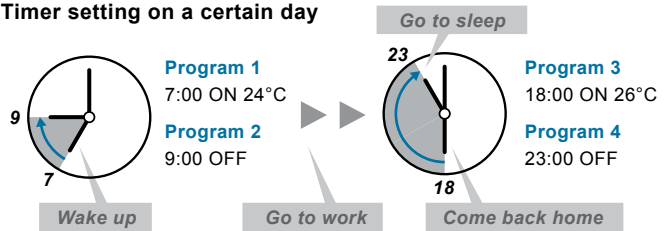
This energy saving operation lowers power consumption by cutting the maximum current. It is selected with just one touch on your controller.



### Program timer

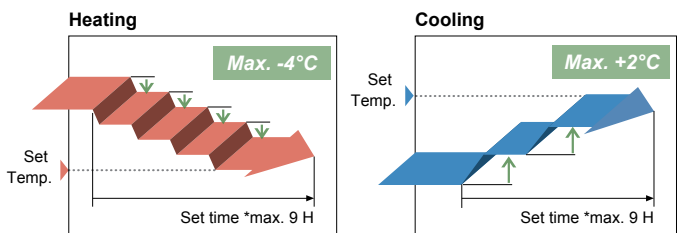
The timer can be set to match your lifestyle. For example, you can choose the 7-day timer to set and then forget – so the Heat Pump automatically comes on when you need it.

#### 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

**e3<sup>TM</sup> WiFi Edition**

# e3 technology with built-in Wi-Fi



### ASTG09KMCB

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

### ASTG12KMCB

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

### ASTG18KMCB

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

### ASTG24KMCB

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

### ASTG22KMCB

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

### ASTG30KMTB

Heating capacity: 9.0kW  
 Heating efficiency: COP 3.84  
 Cooling capacity: 8.5kW  
 Cooling efficiency: EER 3.45

### ASTG34KMTB

Heating capacity: 10.3kW  
 Heating efficiency: COP 3.63  
 Cooling capacity: 9.4kW  
 Cooling efficiency: EER 3.38



Full explanation of symbols on the back page

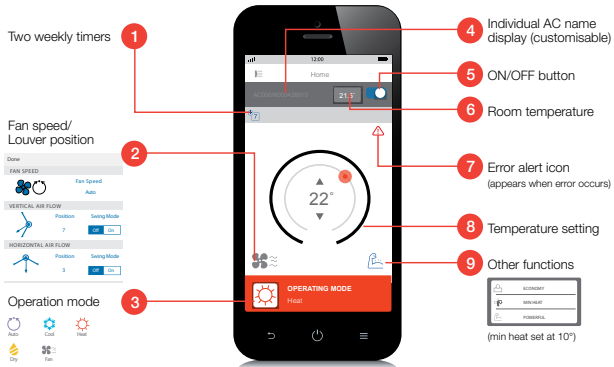
ASTG18, 22, 24KMCB & 30, 34KMTB models only >>



These new models in the **e3™** Series now have a built-in wireless LAN interface, so you can control your Heat Pump from your smartphone or tablet.

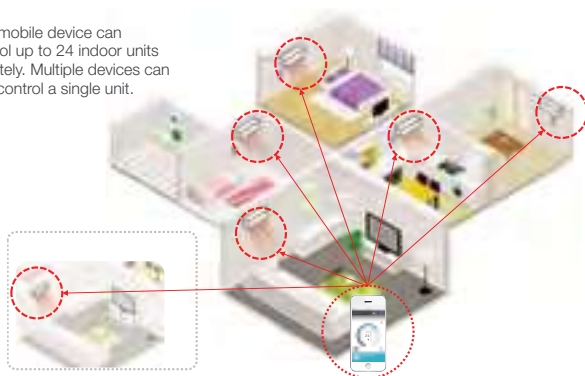
## WI-FI FEATURES

### Easy to understand icons

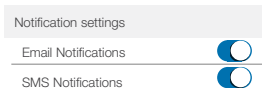


### Easy operation anywhere by Smartphone or Tablet

One mobile device can control up to 24 indoor units remotely. Multiple devices can also control a single unit.



### Email Operation



### Human Sensor

When movement is not detected the energy saving mode activates, and the capacity is reduced until the sensor detects human movement again.



### Healthy Air Filters

Fujitsu's advanced filter systems contribute to a fresher, cleaner and healthier living environment.



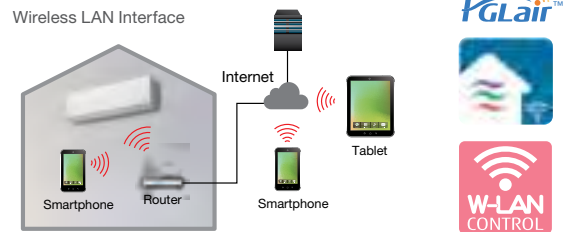
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Fujitsu is recommended by Asthma New Zealand

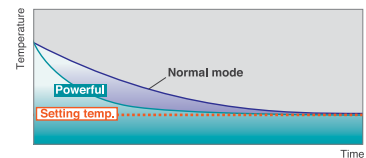
### How it works

Built-in wireless LAN interface. By using the built-in LAN adaptor and the FGL Air App™, the Heat Pump system can be controlled from anywhere, anytime.



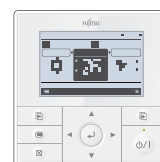
### Powerful Mode

Delivers 20 minutes of continuous operation at maximum airflow and maximum compressor speed. This rapid cooling and heating makes the room comfortable faster.



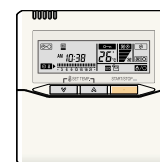
### Optional wall controllers

#### LCD Wall controller



UTY-RVNYN

#### Universal wall controller



UTY-RNNYN

#### Simple wall controller



UTY-RSNYN

The optional wall controllers require a communication kit. Speak to your installer about your requirements.

### e3™Wi-Fi Edition specifications

| Model No.                       | Indoor Unit  |        | ASTG09KMxCB          | ASTG12KMxCB          | ASTG18KMxCB          | ASTG22KMxCB           | ASTG24KMxCB           | ASTG30KMTB          | ASTG34KMTB           |
|---------------------------------|--------------|--------|----------------------|----------------------|----------------------|-----------------------|-----------------------|---------------------|----------------------|
|                                 | Outdoor Unit |        | AOTG09KMxCB          | AOTG12KMxCB          | AOTG18KMxCB          | AOTG22KMxCB           | AOTG24KMxCB           | AOTG30KMTB          | AOTG34KMTB           |
| CAPACITY (RANGE)                | HEAT         | kW     | 3.2<br>(0.90 - 5.30) | 3.7<br>(0.90 - 5.60) | 6.0<br>(1.05 - 8.30) | 7.20<br>(1.10 - 9.70) | 8.0<br>(1.10 - 10.60) | 9.0<br>(2.2 - 11.2) | 10.3<br>(2.7 - 11.7) |
|                                 | COOL         | kW     | 2.5<br>(0.90 - 3.60) | 3.5<br>(0.90 - 4.10) | 5.0<br>(1.00 - 6.50) | 6.0<br>(1.10 - 7.50)  | 7.10<br>(1.10 - 8.30) | 8.5<br>(2.9 - 10.5) | 9.4<br>(2.9 - 11.2)  |
| 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           | 2.34 / 2.46         | 2.84 / 2.78          |
| COP / EER                       | HEAT/COOL    | kW/kW  | 4.92 / 4.90          | 4.57 / 4.07          | 4.23 / 4.10          | 4.07 / 3.77           | 3.77 / 3.53           | 3.84 / 3.45         | 3.63 / 3.38          |
|                                 | HEAT         |        | 5.0                  | 4.5                  | 3.5                  | 3.5                   | 3.0                   | 3.0                 | 2.5                  |
| STAR RATING                     | COOL         |        | 5.0                  | 3.5                  | 3.5                  | 3.0                   | 2.5                   | 2.0                 | 2.0                  |
| 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             | 10.1 / 10.4         | 12.9 / 11.7          |
| MOISTURE REMOVAL                |              | L/Hr   | 1.3                  | 1.8                  | 2.6                  | 2.7                   | 2.7                   | 2.5                 | 3.5                  |
| INDOOR NOISE Q/L/M/H            | HEAT         | dB(A)  | 22/31/34/40          | 22/32/37/42          | 29/35/40/46          | 32/37/42/48           | 32/37/42/49           | 33/39/44/51         | 33/38/44/51          |
|                                 |              |        | 47                   | 49                   | 48                   | 52                    | 52                    | 54                  |                      |
| AIR CIRCULATION                 | INDOOR       | l/s    | 194                  | 200                  | 258                  | 278                   | 311                   | 389                 |                      |
| DIMENSIONS AND WEIGHTS (HXWXDX) | INDOOR       | mm     | 268 x 840 x 203      |                      |                      | 295 x 940 x 270       |                       | 340 x 1150 x 280    |                      |
|                                 |              | kg     | 8.5                  |                      |                      | 14                    |                       | 18                  |                      |
|                                 | OUTDOOR      | mm     | 540 x 790 x 290      |                      |                      | 620 x 790 x 290       |                       | 830 x 900 x 330     | 914 x 970 x 370      |
|                                 |              | kg     | 34                   |                      |                      | 40                    |                       | 61                  | 75                   |
| OUTDOOR OPERATING TEMPERATURE   | HEAT         | Degree | -15 to 24            |                      |                      |                       |                       |                     |                      |
|                                 | COOL         | Degree | 10 to 46             |                      |                      | -10 to 46             |                       |                     |                      |
| REFRIGERANT                     |              |        | R32                  |                      |                      |                       |                       |                     |                      |

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.



**e3**<sup>TM</sup> Design series

e3 technology with a sleek, modern finish



**ASTG09KUCA**

Heating capacity: 3.2kW  
 Heating efficiency: COP 4.78  
 Cooling capacity: 2.5kW  
 Cooling efficiency: EER 4.90

**ASTG12KUCA**

Heating capacity: 4.3kW  
 Heating efficiency: COP 4.06  
 Cooling capacity: 3.5kW  
 Cooling efficiency: EER 3.98

**ASTG18KUCA**

Heating capacity: 6.0kW  
 Heating efficiency: COP 3.80  
 Cooling capacity: 5.0kW  
 Cooling efficiency: EER 3.82



Full explanation of symbols on the back page

The **e3™** Design series delivers the energy savings of the latest Heat Pump technology, along with a super compact, elegant design and many state-of-the-art features.

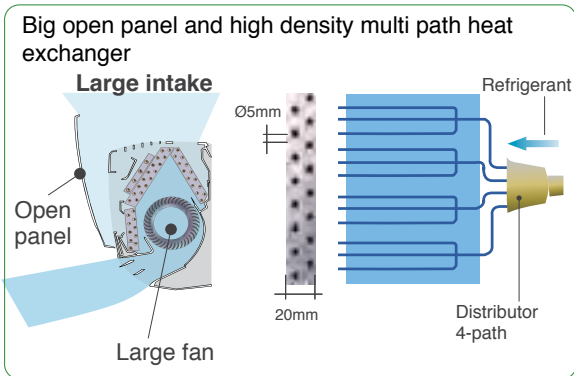
### Slim and elegant design

The slim and elegant design is created by the leading-edge heat exchanger and high efficiency fan.



H282 X W870 X D185mm

Fujitsu's specialist engineering at work.



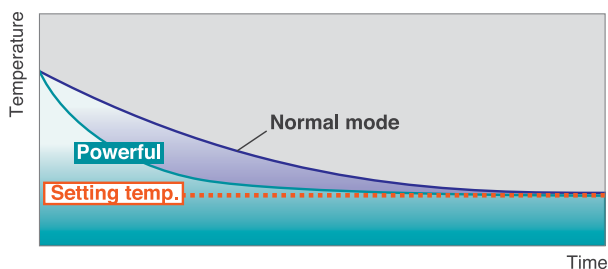
### Human Sensor, for more energy savings

When movement is not detected the energy save mode activates, and the capacity is reduced until the sensor detects human movement again.



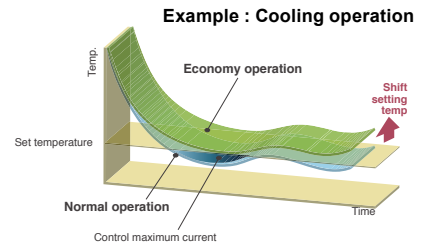
### Powerful operation

20 minutes of continuous operation at maximum airflow and maximum compressor speed is possible. This rapid cooling and heating makes your room comfortable faster.



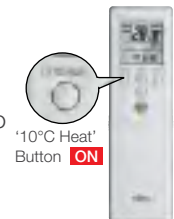
### Economy Mode

The economy mode will limit energy consumption (up to 30% of normal mode). Maintaining a slightly higher temperature in Cool Mode and lower temperature in Heat Mode, as well as limiting maximum current.



### 10°C heat operation

This function on the remote control will prevent the room temperature from falling below 10°C, so the room will never be too cold when you are away.



### Healthy Air Filters

Fujitsu's advanced filter systems contribute to a fresher, cleaner and healthier living environment.



Fujitsu's Catechin Filters are approved by the Asthma and Respiratory Foundation NZ's Sensitive Choice® programme.



Fujitsu is recommended by Asthma New Zealand

### Other features

- **Power diffuser** to optimise heating and cooling.
- **Smart controller options** (refer to page 13).
- **Whisper quiet** inside with outdoor low noise control too.

### e3™ Design series specifications

| Model No.                     | Indoor Unit  |        | ASTG09KUCA      | ASTG12KUCA     | ASTG18KUCA      |
|-------------------------------|--------------|--------|-----------------|----------------|-----------------|
|                               | Outdoor Unit |        | AOTG09KUCA      | AOTG12KUCA     | AOTG18KUCA      |
| CAPACITY (RANGE)              | HEAT         | kW     | 3.2 (0.9-5.4)   | 4.3 (0.9-5.70) | 6.0 (1.05-7.50) |
|                               | COOL         | kW     | 2.5 (0.9-3.6)   | 3.5 (0.9-4.10) | 5.0 (0.9-6.0)   |
| INPUT POWER                   | HEAT/COOL    | kW     | 0.67 / 0.51     | 1.06 / 0.88    | 1.58 / 1.31     |
| COP / EER                     | HEAT/COOL    | kW/kW  | 4.78 / 4.90     | 4.06 / 3.98    | 3.80 / 3.82     |
|                               | HEAT         |        | 5.0             | 3.5            | 3.0             |
| STAR RATING                   | HEAT         |        | 5.0             | 3.5            | 3.0             |
|                               | COOL         |        | 5.0             | 3.5            | 3.0             |
| RUN CURRENT                   | HEAT/COOL    | A      | 3.3 / 2.7       | 4.9 / 4.3      | 6.7 / 5.6       |
| MOISTURE REMOVAL              |              | L/Hr   | 1.3             | 1.8            | 2.6             |
| INDOOR NOISE Q/L/M/H          | HEAT         | dB(A)  | 21/32/37/42     | 22/32/38/43    | 29/36/42/46     |
|                               |              |        | 47              | 49             | 48              |
|                               |              |        | 222             | 236            | 272             |
| AIR CIRCULATION               | INDOOR       | mm     | 282 x 870 x 185 |                |                 |
|                               |              | kg     | 9.5             |                |                 |
|                               |              | mm     | 540 x 790 x 290 |                | 620 x 790 x 290 |
|                               |              | kg     | 34              |                | 40              |
| OUTDOOR OPERATING TEMPERATURE | HEAT         | Degree | -15 to 24       |                |                 |
|                               | COOL         |        | 10 to 46        |                |                 |
| REFRIGERANT                   | R32          |        |                 |                |                 |

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.

# Energy Saving Tips

Heat Pumps are one of the most efficient forms of heating available. Fujitsu has always led the way in energy savings – pioneering breakthroughs like the e3 Series of Heat Pumps that have the new R32 Thermodynamic system that is more efficient than earlier systems.

Ask your Heat Pump consultant, accredited by Fujitsu, to give you good advice tailored to your home needs. But in the meantime, here are some general tips to help you get the most out of your Heat Pump:

- Look for the blue ENERGY STAR® mark that informs you which products have qualified as being super energy efficient.
- Only heat the spaces that you are actually using and shut doors and curtains to keep the heat in.
- Home insulation will save you heaps of power – without good insulation, you can lose up to 75% of the heat you are paying for, through your ceiling, walls and floor.



- Don't have the temperature higher than you need it. Aim to set your Fujitsu Heat Pump between 18°-22° Celsius while you are using a space and then 16° Celsius if you need it on overnight - otherwise, we recommend turning it off until the morning.
- Learn to use the timer features so your Fujitsu Heat Pump comes on an hour or so before you get home or get up in the morning, instead of leaving it on all day.
- Keep your Heat Pump well maintained and make sure the filters are cleaned regularly.
- It is important to have your Heat Pump serviced regularly. This will keep it performing efficiently and effectively.
- Ask for this booklet: "Tips to help you run your Heat Pump at maximum efficiency".



Enjoy the healthy comfort of your Fujitsu Heat Pump. We know you will reap the rewards for many years to come.

## Explanation of features

- i-PAM** **i-PAM control models:** i-PAM inverter control is a technology which reduces loss of efficiency by adjusting the current waveform to a better sine waveform. This promotes the more effective use of the input power supply to attain high performance.
- Human Sensor** **Human Sensor:** Human Sensor catches movements of people in a room.
- Up/Down** **Up / down swing louvers:** The up/down louvers automatically swing up and down.
- Left/Right** **Right/Left swing louvers:** The right/left louvers automatically swing in either direction.
- Double** **Double swing automatic:** Complex swing action enables the louvers to automatically 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.
- R** **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.
- Moisture** **Moisture removal:** Effectively dehumidifies the air.
- Auto Louver** **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-changover** **Auto-changeover:** The unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.
- Auto Shut Louver** **Auto shut louvers:** The auto shut louvers close or open automatically when the unit stops or starts.
- 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 operational current, and performs operation with the power consumption suppressed.
- Powerful** **Powerful mode:** Operates 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 or reduced.
- 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.
- Weekly** **Weekly timer:** 4 different ON-OFF times can be set every day for up to 7 days. Just set and forget!

- Wash** **Washable panel**
- Filter** **Filter sign:** Indicates when the filter needs cleaning.
- Ion** **Long-life Ion Deodorisation Filter:** This special filter comprises of super micro particles which can produce negative air ions which deodorise and absorb cooking, pet and other smells.
- AF** **Apple-Catechin Filter:** Fine dust, invisible mold spores, and harmful microorganisms are absorbed onto the filter by static electricity, and further growth is inhibited and deactivated by the polyphenol extracted from apples.
- Powerful Heating** **Powerful heating**
- Controller** **Wall (wired) controller:** Optional, easy-to-use wall (wired) controller. 7-day timer for 'set and forget'.
- Cobalt Blue** **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.
- ENERGY STAR** **The ENERGY STAR® label identifies products and appliances that are super energy efficient.**

● Cooling ● Heating

## Explanation of terms

- Capacity:** The higher the capacity, the more area can be heated and cooled, and the 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 up to 4.11kW of heat for every 1kW of energy used under test conditions.
- EER:** Stands for Energy Efficient Ratio, and is the ratio of the cooling capacity to the power input. The higher the EER, the more efficient the Heat Pump.
- 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!
- Heating/Cooling capacities and run current test are based on the requirements of AS/NZS3823, that standard test 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.

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## Why Fujitsu?



Fujitsu is recommended by Asthma New Zealand



Fujitsu's Catechin Filters are approved by the Asthma and Respiratory Foundation NZ's Sensitive Choice® programme.



Independently awarded as NZ's leading iconic and trusted Heat Pump brand.



NZ's longest manufacturer's warranty

Healthier home

Healthier home

Energy Efficient

Trusted brand 2014 | 2015 | 2016

Reader's Digest Trusted Brand 2017