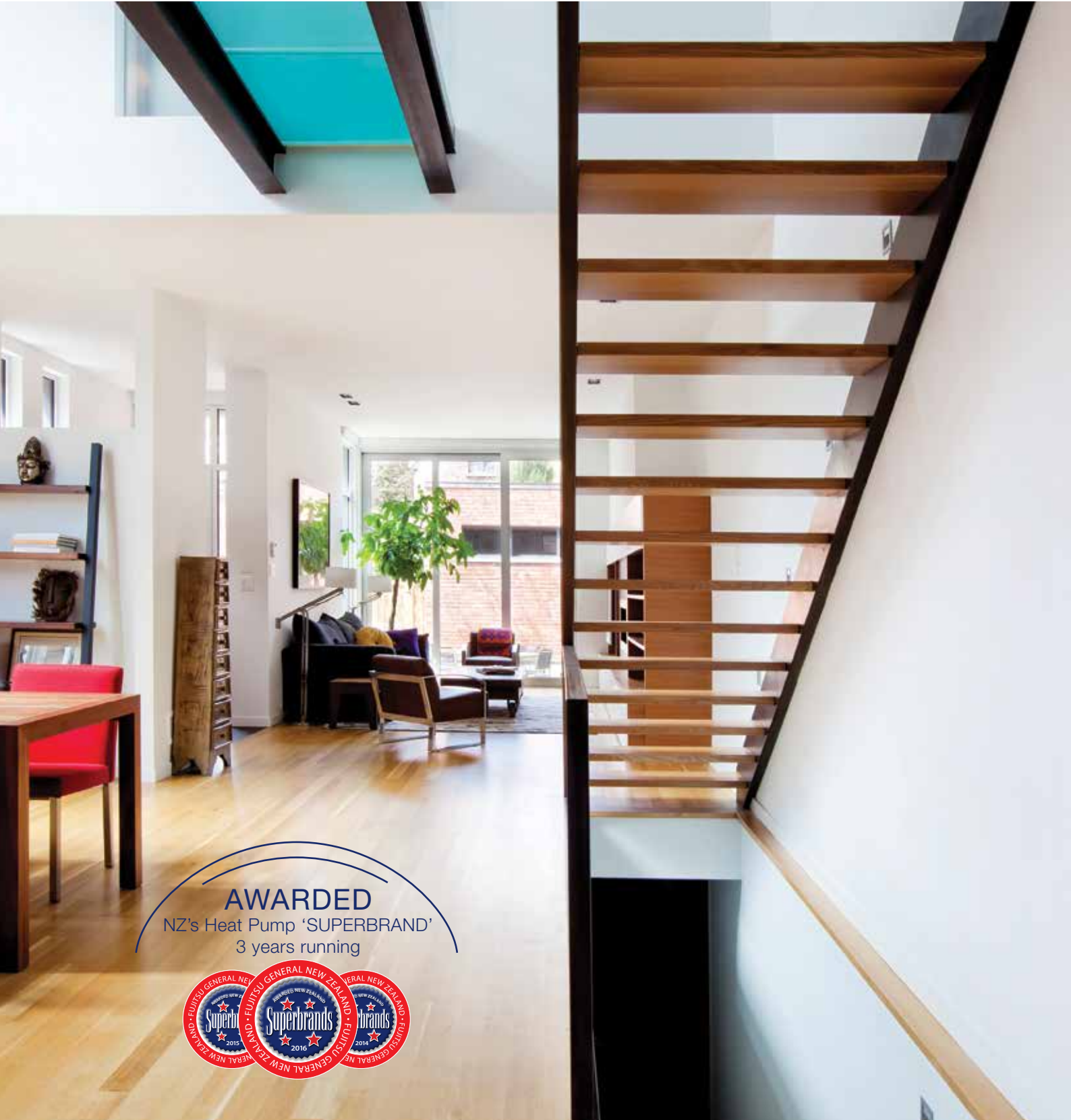# Fujitsu Multi Room System

Connect 2, 3, 4, 5 or 6 indoor units to a single outdoor Heat Pump

INVERTER

AWARDED
NZ's Heat Pump 'SUPERBRAND'
3 years running

Come Home to Fujitsu Comfort

FIT A **FUJITSU**

Multi Room Systems

Fujitsu Multi Systems are the ideal way to enjoy heating and cooling in more than one room from just one outdoor unit. For example you can have one for the bedroom and one for the living area. You can choose a Fujitsu Multi System to heat and cool 2,3,4,5 or 6 rooms.

You can choose the type of unit you want in each room all from one outdoor unit. That means you can tailor your own combination of Hi-Walls, Floor Consoles, Cassettes or Bulkhead units to best suit the needs of each individual room.

Our product range includes a wide choice of model types ranging in capacity from 2.0kW all the way up to 7.0kW.

With such a comprehensive choice of options, Fujitsu will certainly have the right combination to suit most houses or small businesses where ever you are in New Zealand.

Wide range of options

The Fujitsu range includes 6 different indoor types and 14 different models, ranging in capacity from 2.0kW to 7.0kW.

With the wide range of options to choose from, there's a combination to suit almost any application.
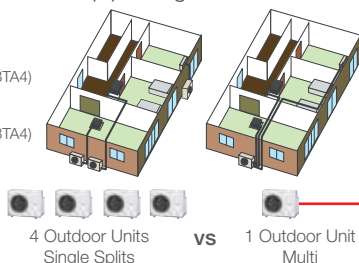
outdoor unit
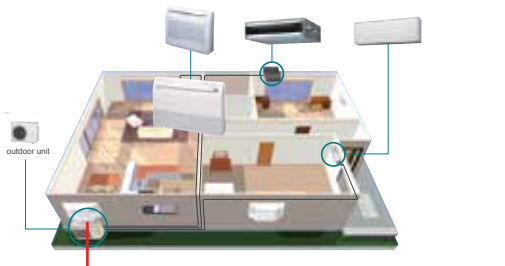
Flexible Installation

Fujitsu Multi systems can be installed in large buildings and over multiple floors due to the long maximum allowable pipe length.

Maximum Pipe length
(each unit):
25m (AOTG24LAT3/30LBTA4)

Max. Height:
15m (AOTG24LAT3/30LBTA4)

Total Piping Length:
50m (AOTG24LAT3)
70M (AOTG30LBTA4)

4 Outdoor Units
Single Splits

vs

1 Outdoor Unit
Multi

Multiple indoor units can be connected to 1 outdoor unit. This means greater installation flexibility and space saving options.

Long pipe runs add to this flexibility by allowing the opportunity to install a variety of indoor units in larger houses or commercial premises.

With the wide range of options to choose from, there's a combination to suit almost any application.

Healthy Air Filters

Fujitsu's advanced Catechin Filters are approved by the Asthma and Respiratory Foundation NZ's Sensitive Choice® Programme. Fujitsu is also the only Heat Pump brand to be recommended by Asthma New Zealand.

SENSITIVE CHOICE
ASTHMA + RESPIRATORY FOUNDATION NZ

Breathe Easy

The importance of installation

Fujitsu's accreditation programme for installers helps ensure that you'll get the right fit for your unique space. A professional installation is essential for the efficient performance of any Heat Pump. Ask to see their red card!

FUJITSU ACCREDITED INSTALLER 6 YR WARRANTY

NZ's longest manufacturer's warranty

When you use a Fujitsu accredited installer, you'll get a full 6-year parts and labour warranty - for the reassurance you need that we stand behind our product, for the long term.

FUJITSU
6 YEAR WARRANTY
ACCREDITED CONSULTANT

Trusted Brand

Fujitsu has been awarded the coveted NZ's 'Trusted Heat Pump SUPERBRAND' for 3 years running, and has also been highly commended as a Reader's Digest Trusted Brand in 2017.

Superbrands

Highly Commended
TRUSTED BRAND 2017
Reader's Digest
Heat Pumps

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

www.fujitsugeneral.co.nz

Many Features

Independent Control

Each indoor unit can be operated independently. This means that on / off, temperature, air movement, and time / clock operation can all be controlled from their own controller. (The multi system cannot be operated in heat and cool mode simultaneously).

UTY-RVNYN

New Home Controller: 5 & 6 room systems

The new home controller is a new central controller option exclusive to the 5 and 6 room multi systems.

The controller has a number of features including : -

- Allowing control of up to 6 indoor units from one central location
- RC prohibition function can be performed enabling the restriction of one or multiple units.
- Monitoring of each connected unit
- Weekly scheduling
- Economy and low noise modes can be set from one central location.

UTY-DMMYM

Innovative technology

High efficiency / low noise fan
Newly designed fans have been used to increase airflow efficiency at the same time as significantly reducing sound pressure

DC fan motor
High performance and high efficiency has been achieved by using a new smaller DC Fan Motor.

Heat exchanger
A new 3 row heat exchanger has been used which allows for a more compact outdoor unit with higher energy efficiency.
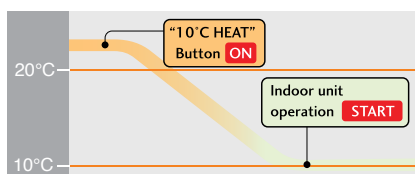
High efficiency DC Twin Rotary Compressor
A high performance, low noise, large capacity DC Twin Rotary Compressor is used.

10°C heat operation

Operation starts and maintains the room temperature at 10°C when the temperature drops below 10°C.

"10°C HEAT" Button ON

20°C

Indoor unit operation START

10°C

NB When the room temperature is higher than 10°C, "10°C HEAT" operation does not start.

Economy operation

By maintaining a slightly higher temperature in cool mode, lower temperature in heat mode and limiting the maximum current draw real energy savings are achieved.

Normal operation

Setting temperature

Economy operation

Time
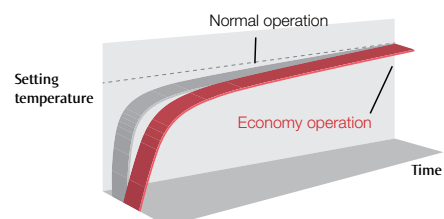
INDOOR UNITS

Compact Hi-Wall Premier

ASTG07/09/12LVCC
Designed for small rooms like bedrooms, this quiet compact range of wall mounted indoor units are discreet and suit most decors.

Hi-Wall Premier Plus

ASTG09/14LUCB
This smart compact unit offers many extra features such as the Human Sensor. It is efficient and quiet, suitable for small and medium size rooms.

Hi-Wall Premier Large Capacity

ASTG18LFCA / ASTG24LFCC
These large capacity indoor units are suitable for large living areas.

Floor or Ceiling Console

ABTG18LVTA
Suitable for floor or ceiling installation, this model is designed for a medium to large living area.

Compact Cassette

AUTG09/12/18LVLA
These compact cassette models have a 4-way air flow direction or optional 3-way. They sit discreetly in the ceiling with just the grille showing.

Slim Duct

ARTG09/12LLLB / ARTG18LLTA
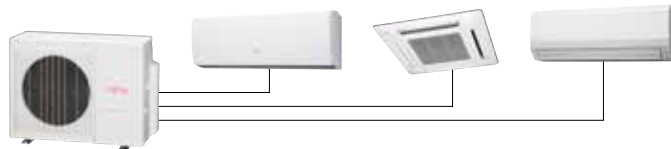These bulk head models are discreet in appearance and can also use the smart auto louvre grill option.
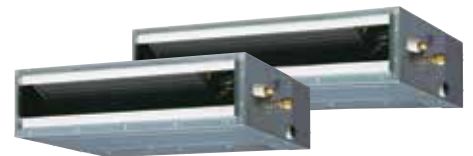
OUTDOOR UNITS

2-3 Room Set Up
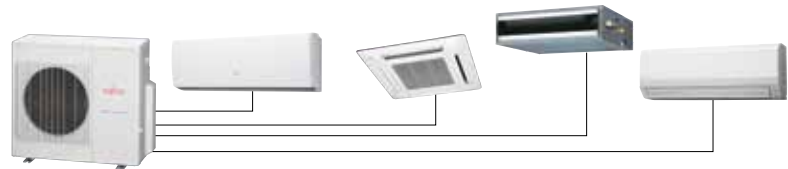
AOTG24LAT3
H 8.00kW
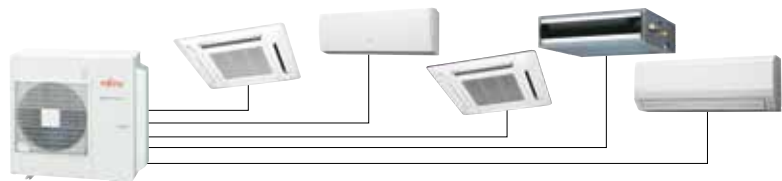C 6.80kW

2-4 Room Set Up

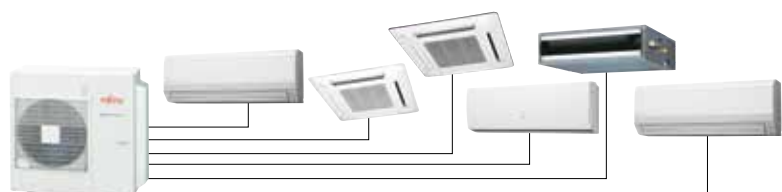AOTG30LBTA4
H 9.60kW
C 8.00kW

2-5 Room Set Up

AOTG36LBLA5
H 12.00kW
C 10.00kW

2-6 Room Set Up

AOTG45LBLA6
H 13.50kW
C 12.50kW

INDOOR UNITS FEATURES

	Up/Down	Left/Right	Double	Adjust	Restart	Economy	Sleep	Program	Weekly	W+S	Filter	Ion	AF	Auto Louver	Auto Shut Louver	Human Sensor	ALL DC
ASTG09/14LUCB	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●
ASTG07/09/12LVCC	●		●	●	●	●	●	○	○			●	●	●		●	●
ASTG18LFCA/24LFCC	●	●	●	●	●	●	●	●	○	○		●	●	●		●	●
ABTG18LVTA	●	●	●	●	●	●	●	●	○			●		●		●	●
AUTG09/12/18LVLA	●		●	●	●	●	●	●	○			●		●		●	●
ARTG09/12LLLB/18LLTA	○		●	●	○	○	○	●	●	●	●						●

● Included Function   ○ Optional Function

FEATURE DESCRIPTION

CLEAN FUNCTIONS

ION DEODORISATION FILTER
The filter deodorises by powerfully decomposing absorbed odours using the oxidising reducing effects of ions generated by the ultra-fine-particle ceramic.

APPLE-CATECHIN FILTER
The Apple-catechin filter uses static elecricity to clean fine particles and dust in the air.

COMFORTABLE FUNCTIONS

UP / DOWN SWING LOUVER
The up / down louver automatically swings up and down.

LEFT / RIGHT SWING LOUVER
The left / right louvers automatically swing in either direction.

AUTO LOUVER
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.

AUTOMATIC FAN SPEED
The micro processor automatically adjusts the airflow effectively to follow the changes of room temperature.

AUTO RESTART
In the event of a temporary power failure, the unit will automatically restart in the same operating mode as before, once power supply is restored.

AUTO SHUT LOUVER
The auto shut louvers close or open automatically when the unit stops or starts.

DOUBLE SWING AUTOMATIC
Complex swing action of the louvers enables the unit to swing automatically in both horizontal and vertical directions.

ENERGY SAVING FUNCTIONS

HUMAN SENSOR
The sensor detects the movement of people in the room and operates at a lower fan speed and capacity when the room is empty. When movement is detected, the unit will return to the previous operating mode.

ECONOMY MODE
The Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.

CONVENIENT FUNCTIONS

SLEEP TIMER
The micro processor gradually changes the room temperature, before turning off, allowing you to sleep comfortably at night.

WEEKLY TIMER
Different ON-OFF times can be set for up to 7 days.

FILTER SIGN
Indicates when the filter needs to be cleaned.

PROGRAM TIMER
ON, OFF can be set up to 4 times in 1 day and up to 28 times in 1 week.

WEEKLY + SETBACK TIMER
Weekly + Setback timer can set the temperature for two times spans for each day of the week.

ALL DC MOTORS
With all DC motors, electricity loss is decreaed and power consumption reduced.

Smart control options for more convenience and better economy.

## LCD Wall Controller (UTY-RVNYN)

Features:

- Backlit display
- 7-day programmable timer: with 8 x auto on/off scheduling possible each day
- 2 weekly settings – so can be programmed for winter and summer
- Auto-off timer – automatically turns off if left on accidentally
- Temperature Limit Select – to limit maximum and minimum temperature range by single degrees
- Auto return set temperature – temperatures can be set to return to pre-set values after a pre-set time. Prevents temperatures being set too high or too low.
- Economy mode – saves energy by limiting maximum output
- 3 types of lock-out operation: child lock; partial lock and management lock
- Memory back-up (instant reset) - remembers settings in case of power outages
- Clean filter indicator

UTY–RVNYN

Simple Wall Controller (UTY-RSNYN)

Features:

- Basic operation function
- On/Off
- Mode change (heating/cooling)
- Temperature change: Auto: 18 to 30℃: Heating 16 to 30℃: Cooling 18 to 30℃
- Fan change: auto, high, medium, low, quiet

UTY–RSNYN

Wi-Fi LAN Adaptor (UTY-TFNX3)

Optional Wi-Fi Control (replaces the wired controller option)

FGLair™

Features:

- New advanced solution to remotely operate and control a Fujitsu Heat Pump system.
- Does not require a separate external power supply
- The FGLair App displays current unit settings, and has the ability to control the settings
- Compatible with Android OS 4.1 or later, and iOS8.0 or later

NOTE: If an indoor unit is capable of having a wired controller connected then the new Wi-Fi LAN adapter can be fitted (excludes VRF indoor units).

Important: The Wi-Fi LAN adapter and wired controller *cannot* be connected simultaneously.

Universal Wall Controller (UTY-RNNYN)

This smart optional controller is simple to use, yet has many features to add more control to your comfort with greater efficiency and convenience.
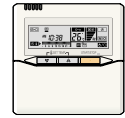
UTY–RNNYN

Features:

- 7-day programmable timer with 2 x auto on/off scheduling possible for each day
- Set-back timer, allows different temperature settings for each day
- Economy mode, saves energy by limiting maximum output
- Child lock
- Memory back-up (instant re-set) - remembers settings in case of power outages
- Clean filter indicator

Wireless Controllers
(AR-RAH1E/AR-RAH2E/AR-REA1E)

These remote controllers offer:

- 24 hour programmable timers
- Four standard timers (On/Off/ Programme/Sleep Timers)
- Easy, convenient operation
- Easy to change modes: heating/cooling/dry/auto/fan
- Weekly timer ability for controller AR-REA1E

AR-RAH1E/AR-RAH2E/AR-REA1E

Group Controller
UTY-DMMYM

The group controller offers:

- Backlit Display
- Four-way navigation pad enables control of the indoor units individually or simultaneously
- Features such as economy mode, remote control prohibition or low noise mode settings can be activated from one central point.

UTY-DMMYM

External Control Kit (UTY-XWZX/UTY-XWZXZ5)
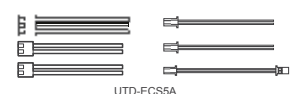
External Connect Kit
for indoor unit

External Control Set
for indoor unit
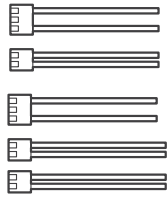
UTY-XWZX   UTY-XWZXZ5   UTD-ECS5A
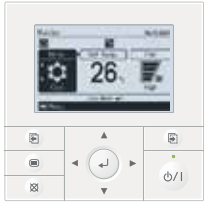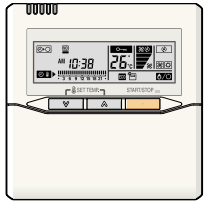
Function list

		For Indoor unit		
		UTY-XWZX	UTY-XWZXZ5	UTD-ECS5A
Input	Control	●	●	●
	Peak cut	—	—	—
	Low noise	—	—	—
	Priority	—	—	—

CONTROLLER & OPTIONS

LCD Controller	Wired Remote Controller	Simple Remote Controller	Wireless Remote Controller
UTY-RVNYN	UTY-RNNYN	UTY-RSNYN	AR-RAH1E/AR-RAH2E/AR-REA1E

Infra Red Receiver Unit	Auto Louver Grille	External Control Kit	Remote Temperature Sensor
UTY-LRHYM	UTD-GXSA/UTD-GXSB	UTY-XWZXZ5	UTY-XSZX

Fresh Air Kit	Wi-Fi Adaptor	Pebble	Group Controller
UTZ-VXAA	UTY-TFNXZ3	WH-PEBBLE (White) BK-PEBBLE (Black)	UTY-DMMYM AOTG36LBLA5/AOTG45LBLA6 only

Type	Model	Indoor Units					
		Compact Cassette	Slim Duct	Compact Wall Mounted LVCC	Compact Wall Mounted LUCB	Wall Mounted LFC	Floor / Ceiling
LCD Universal Controller	UTY-RVNYN	◯	◯	◯*1	◯*1	◯	◯
Universal Controller	UTY-RNNYN	◯	●	◯*1	◯*1	◯	◯
Simple Remote Controller	UTY-RSNYN	◯	◯	◯*1	◯*1	◯	◯
Wireless Remote Controller	AR-RAH2E					●	●
	AR-RAH1E	●		●			
	AR-REA1E				●		
Infra Red Receiver Unit	UTY-LRHYM		◯				
External Control Kit	UTD-ECS5A		◯			◯	◯
	UTY-XWZXZ5	◯		◯*1	◯*1		◯
Louver Grille	UTD-GXSA		◯*2				
	UTD-GXSB		◯*3				
Fresh Air Kit	UTZ-VXAA	◯					
Remote Temperature Sensor	UTY-XSZX		◯				
Wi-Fi Adaptor	UTY-TFNXZ3	◯	◯	◯	◯	◯	◯
Pebble Air	WH-PEBBLE BK-PEBBLE	◯	◯	◯	◯	◯	◯

● Included with unit ◯ Optional

*1 Optional Communication kit(UTY-TFNXZ3) is necessary for the installation. *2 Applicable to ARTG09/12LLLB only. *3 Applicable to 18LLTA only

OUTDOOR UNITS

Inverter Multi Room Systems specifications

Type			Inverter	Inverter	Inverter	Inverter
Model No. Outdoor Unit		Outdoor Unit	AOTG24LAT3*1	AOTG30LBTA4*2	AOTG36LBLA5*3	AOTG45BLA6*4
Heating Capacities		kW	8.0 (9.2 Max)	9.6 (12.0 Max)	12.0 (14.0 Max)	13.5 (16.0 Max)
Cooling Capacities		kW	6.8 (8.5 Max)	8.0 (10.1 Max)	10.0 (12.5 Max)	12.5 (14.0 Max)
C.O.P Heat		W/W	4.0	4.0	4.3	4.0
E.E.R Cool		W/W	3.5	3.6	4.1	3.5
Running Current	Heat	Amps	8.4 (12.5 Max)	10.1 (15.7 Max)	11.8 (20.6 Max)	14.2 (23.9 Max)
	Cool	Amps	8.1 (12.5 Max)	9.3 (15.7 Max)	10.3 (20.6 Max)	15.0 (23.9 Max)
Input Power	Heat	kW	2.0 (2.87 Max)	2.4 (3.58 Max)	2.79 (3.98 Max)	3.37 (4.59 Max)
	Cool	kW	1.94 (2.6 Max)	2.22 (3.56 Max)	2.44 (4.04 Max)	3.57 (5.02 Max)
Outdoor Sound Pressure Level		Dba at 1m	49	51	54	54
Dimensions and Weights O.U	Height	mm	700	830	998	998
	Width	mm	900	900	970	970
	Depth	mm	330	330	370	370
	Net Weight	kg	55	68	94	94
Outdoor Operating Temperature	Cool	Degree C	-10 to 46	0 to 46	-10 to 46	-10 to 46
	Heat	Degree C	-15 to 24	-10 to 24	-15 to 24	-15 to 24

*1: Specifications of the AOTG24LAT3 are derived from the standard combination = AOTG24LAT3 + ASTG07LVCC + ASTG07LVCC + ASTG09LVCC

*2: Specifications of the AOTG30LBTA4 are derived from the standard combination = AOTG30LBTA4 + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC

*3: Specifications of the AOTG36LBLA5 are derived from the standard combination = AOTG36LBLA5 + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC + ASTG09LVCC

*4: Specifications of the AOTG45LBLA6 are derived from the standard combination = AOTG45LBLA6 + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC + ASTG07LVCC + ASTG09LVCC

			PREMIER PLUS		PREMIER COMPACT			PREMIER		FLOOR / CEILING INDOOR UNIT
Type			HI WALL	HI WALL	HI WALL	HI WALL	HI WALL	HI WALL	HI WALL	UNIVERSAL
Model No.	Indoor Unit		ASTG09LUCB [M]	ASTG14LUCB [M]	ASTG07LVCC [M]	ASTG09LVCC [M]	ASTG12LVCC [M]	ASTG18LFCA [M]	ASTG24LFCC [M]	ABTG18LVTA [M]
Capacity Class		kW	2.5	4.0	2.0	2.5	3.5	5.0	7.0	5.0
Fan Speeds			4	4	4	4	4	4	4	4
Air Circulation	High	l/s	167	197	178	178	194	250	306	217
Indoor Sound Pressure Level	Quiet	Dba at 1m	21	27	22	23	24	25	33	32 UC/35 FC
	Low	Dba at 1m	28	34	32	32	33	33	37	34 UC/37 FC
	Medium	Dba at 1m	32	36	33	33	35	37	42	38 UC/41 FC
	High	Dba at 1m	36	41	36	36	38	42	48	41 UC/44 FC
Dimensions and Weights I.U	Height	mm	282			293		320		199
	Width	mm	870			790		998		990
	Depth	mm	185			225		238		655
	Net Weight	kg	9.5			9.5		14		27

			BULKHEAD INDOOR UNITS			COMPACT CASSETTE INDOOR UNITS		
Type			BULKHEAD	BULKHEAD	BULKHEAD	CASSETTE	CASSETTE	CASSETTE
Model No.	Indoor Unit		ARTG09LLLB [M]	ARTG12LLLB [M]	ARTG18LLTA [M]	AUTG09LVLA [M]	AUTG12LVLA [M]	AUTG18LVLA [M]
Capacity Class		kW	2.5	3.5	5.0	2.5	3.5	5.0
Fan Speeds			4	4	4	4	4	4
Air Circulation	High	l/s	167	181	261	150	169	222
Indoor Sound Pressure Level	Quiet	Dba at 1m	24	24	29	27	28	30
	Low	Dba at 1m	25	27	31	29	31	37
	Medium	Dba at 1m	26	28	32	32	33	40
	High	Dba at 1m	28	29	33	34	37	44
Dimensions and Weights I.U	Height	mm	198		198		245	
	Width	mm	700		900		570	
	Depth	mm	620		620		570	
	Net Weight	kg	18		23		15	

UC = Under Ceiling
FC = Floor Console

Energy Saving Tips

Heat Pumps are one of the most efficient forms of heating available. Fujitsu has always made cost efficiency a priority, but here are some more ways you can be sure to get the best heating efficiency from your Heat Pump.

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:

• 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°C while you are using a space and then 16°C 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 convenience and comfort of your Fujitsu Heat Pump.

We know you will reap the rewards for many years to come.

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

FIT A FUJITSU

Why Fujitsu?