

AIRSTAGE

FUJITSU

# Comfort Range

Wall Mounted



# Why Choose Fujitsu?

## New Zealand's Favourite Air®

Fujitsu General is a leading supplier of heat pumps/air conditioners in New Zealand, with a portfolio to suit both residential and commercial applications.

We focus all of our research and manufacturing strengths into heat pumps/air conditioners which has resulted in our extensive range of world-class, energy efficient, market-leading systems.

Fujitsu General strives to consistently provide high quality, reliable products accompanied by superior customer service. To be 'New Zealand's Favourite Air®' means to be the best heat pump /air conditioning company to deal with in New Zealand, not just a leading heat pump /air conditioning brand.

That's why we're proud to say we are 'New Zealand's Favourite Air®'.

## Peace of Mind

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/air conditioner.

## Extensive Manufacturer's Warranty

Fujitsu General believes in the quality and reliability of every product we sell. Our 6 year parts and labour warranty applies to residential applications when installed by a Fujitsu Accredited Installer. A standard 5 year warranty applies otherwise.

Please visit [www.fujitsugeneral.co.nz/warranty](http://www.fujitsugeneral.co.nz/warranty) for more information.

## Fujitsu Dealer Network

Fujitsu has a comprehensive network of dealers across New Zealand. This ensures there is a local stockist in your area to assist you in purchasing a Fujitsu heat pump/air conditioning system for your home.





Specialist expertise



Accredited Installer programme



6 year manufacturer's warranty\*



Trusted brand

\*When the unit is installed by a Fujitsu Accredited Installer (residential installation only).

## A Trusted Brand

Fujitsu understands that our customers are investing in our brand and trusting that we will provide their family with a comfortable living environment all year round. Fujitsu is honoured to be consistently voted one of New Zealand's most trusted heat pump/air conditioning brands. We are proud to see the amount of trust our customers have in our products and the service provided by our network of Fujitsu Accredited Installers.



## State of the Art Research and Development

Our state of the art research and development centre, located at our headquarters in Japan, is equipped with numerous testing facilities simulating a variety of heat pump/air conditioning operating conditions. Our rigorous testing aims to meet Fujitsu's high standard of product quality and reliability.

## Exceptional After Sales Service

At Fujitsu, we pride ourselves on providing exceptional customer service. Fujitsu General Assist is our in-house customer care and technical support department, which was implemented to deliver a high level of support and accessibility to our customers.

Fujitsu General Assist deploys Fujitsu-trained technicians in Auckland and Christchurch. These technicians are well-equipped with the necessary tools and spare parts to enable them to resolve issues onsite, promptly. This offers customers a high first time fix rate and seamless experience.





# Comfort Range

**7** models  
from 2.5kW  
to 8.0kW  
Heating capacity

ENERGY RATING		
5.0★	HOT climate	3.5★
4.5★	AVERAGE climate	3.0★
5.0★	COLD climate	2.5★

07KNCA model



## Why Choose Our Comfort Range?

The Comfort range of wall mounted heat pumps/air conditioning units is the latest solution for energy efficient, all-year-round climate control for the home. With an award-winning design, the Comfort range is a reliable and trusted solution with a selection of options to suit almost any room.

## Award-Winning Design

The Comfort range has been awarded the Good Design Award (ASTH12/14) from the Japan Institute of Design Promotion. Highly desirable recognition of good design, the Comfort range indoor units are compact and feature a modern aesthetic, making them a subtle solution for indoor comfort in a wide variety of interiors.

## Energy Saving

Fujitsu heat pumps/air conditioners display the Zoned Energy Rating Label (ZERL). The star ratings reflect how the heat pump/air conditioner will perform over three distinct climate zones across Australia and New Zealand (HOT, AVERAGE and COLD) and allows an annual electricity figure to be calculated. The Comfort range has an average energy performance of up to 5 stars in a COLD climate in cooling and up to 2.5 stars in heating.

## R32 Refrigerant - Lower GWP Factor

Refrigerants play a vital role in how a heat pump/air conditioner works. Compared to the commonly used R410A refrigerant, R32 has a 67 per cent<sup>1</sup> lower 'Global Warming Potential (GWP) Factor' whilst still maintaining the performance of the unit.

## Powerful Operation

When powerful mode is activated, the heat pump/air conditioner will operate at maximum airflow and maximum compressor speed for 20 minutes to assist in heating or cooling the room quicker and achieving the optimum comfort levels faster than when running in standard operation.

## Simple Comfort Control

Ideal comfort can be enabled via the easy-to-use wireless remote controller. Super-quiet mode means the indoor fan operates at low speed to produce less noise. Powerful operating mode allows the system to reach the temperature setting quickly and precise temperature control enables the set temperature to be adjusted in 0.5°C increments.

## High Durability

The high voltage components of the PCB are coated with silicone and improved corrosion resistance is achieved through the blue fin treatment of the outdoor unit's heat exchanger.

<sup>1</sup> <https://www.dccew.gov.au/environment/protection/ozone/rac/global-warming-potential-values-hfc-refrigerants>

# Comfort Range

- ✓ 7 models from 2.5kW to 8.0kW heating capacity
- ✓ R32 refrigerant
- ✓ Compact and modern aesthetic
- ✓ Precise temperature control, in 0.5°C increments
- ✓ Strong heating capacity in low outdoor temperatures

## Indoor units



Ideal for  
**small**  
rooms



ASTH07KNCA

2.0kW | 2.5kW  
cooling | heating

ASTH09KNCA

2.5kW | 3.2kW  
cooling | heating



Ideal for  
**small - medium**  
rooms



ASTH12KNCA

3.4kW | 4.0kW  
cooling | heating

ASTH14KNCA

4.2kW | 4.7kW  
cooling | heating



Ideal for  
**medium - large**  
rooms



ASTH18KNCA

5.0kW | 5.2kW  
cooling | heating

ASTH22KNCA

6.0kW | 6.5kW  
cooling | heating



Ideal for  
**large**  
rooms



ASTH24KNCA

7.1kW | 8.0kW  
cooling | heating



**Outdoor units**



AOTH09/12KNCA



AOTH14KNCA



AOTH18KNCA



AOTH22/24KNCA

**Standard controller**



Standard Controller  
AR-RPD2E/  
AR-RPD3E

**Available optional controllers\***



anywAiR<sup>®</sup>  
Technology Wi-Fi  
Adaptor II  
SET-UTY-NXT



LCD  
Touch Panel  
Controller\*  
UTY-RNRYT5



LCD Simple  
Controller  
with Operation  
mode\*  
UTY-RSRYT



LCD Simple  
Controller  
without Operation  
mode\*  
UTY-RHRYT

\*Requires Communication Kit.

# Features

## Comfort Functions



**Up/Down Swing Louvre**  
The up/down louvre automatically swings up and down.



**Auto Shut Louvre**  
The auto shut louvres close or open automatically when the unit stops or starts.



**Automatic Louvre**  
The position of the louvres is set automatically to match the operating mode. It is also possible to adjust the louvres using the remote control.



**Precise Temperature Control**  
The remote control now allows you to set temperature in 0.5°C increments, giving you better control of your comfort.



**Auto Restart**  
Should there be a temporary loss of power, the unit will automatically restart itself in the same operating mode, once the power is restored.



**Auto Changeover**  
The unit automatically switches between operating modes based on the temperature setting and room temperature.



**Powerful Mode**  
Powerful mode will operate the indoor unit fan and outdoor unit compressor at maximum operation to quickly make the room conditioned and comfortable.

## Convenience Functions



**Sleep Timer**  
The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night.



**Program Timer**  
This timer allows selection of one of four options. ON, OFF, ON --> OFF, or OFF --> ON.



**Filter Sign**  
Set the interval frequency to be reminded to clean the air filter on your unit.



**On-Off Timer**  
ON-OFF timer can be set to operate once every 24 hours.



**Super Quiet Mode**  
The indoor units fan can operate at a low speed to produce quieter operation.

## Energy Efficient Functions



### Economy Mode

If economy mode is selected the temperature will adjust by 1°C to allow for a reduction in power drawn from the compressor.



### All DC

With All DC componentry, electricity loss is decreased and power consumption reduced.

## Clean Function



### Washable Panel

Dust that accumulates on the air conditioner can be easily cleaned with a damp cloth.

## Protection Feature



### Blue Fin Heat Exchanger

Corrosion-resistance of the heat exchanger in coastal areas has been improved by blue fin treatment of the outdoor unit heat exchanger.

## Specifications and features

Products in this brochure contain R32 refrigerant. Please refer to specifications before installation and servicing this product. Only persons and / or companies qualified and experienced in the installation, service and repair of refrigerant products should be permitted to do so. The purchaser must ensure that the person and / or company who is to install, service or repair this air conditioner has qualifications and experience in refrigerant products. Suitable access for warranty and service is required. Future improvements, specifications, designs of product and availability are subject to change without notice. Please check with your Dealer.

All Capacity and Energy Efficiency ratings are based on THE 2019 GEMs <65kW DETERMINATION

Cooling	Indoor temperature	27°C DB / 19°C WB	Heating	Indoor temperature	20°C DB / 15°C WB
	Outdoor temperature	35°C DB / 24°C WB		Outdoor temperature	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.

# Product Specifications

Set Code			SET-ASTH07KNCA	SET-ASTH09KNCA	SET-ASTH12KNCA	SET-ASTH14KNCA	
Model No.	Indoor unit		ASTH07KNCA	ASTH09KNCA	ASTH12KNCA	ASTH14KNCA	
	Outdoor unit		AOTH07KNCA	AOTH09KNCA	AOTH12KNCA	AOTH14KNCA	
Power Source	V / Ph / Hz		220-240 / 1 / 50				
Capacity	Cooling (Rated (Min - Max))	kW	2.0 (0.9 - 2.8)	2.5 (0.9 - 3.7)	3.4 (0.9 - 3.7)	4.2 (0.9 - 4.4)	
	Heating (Rated (Min - Max))	kW	2.5 (0.9 - 3.4)	3.2 (0.9 - 4.8)	4.0 (0.9 - 4.9)	4.7 (0.9 - 5.8)	
Input Power	Cooling (Rated (Min - Max))	kW	0.48 (0.25 - 1.03)	0.59 (0.25 - 1.14)	0.96 (0.25 - 1.27)	1.23 (0.25 - 1.4)	
	Heating (Rated (Min - Max))	kW	0.63 (0.25 - 1.39)	0.77 (0.25 - 1.6)	1.00 (0.25 - 1.52)	1.13 (0.25 - 1.73)	
EER	Cooling	kW / kW	4.17	4.24	3.54	3.41	
COP	Heating	kW / kW	3.97	4.16	4.00	4.16	
Star Rating	Cooling: Hot/Average/Cold		5 / 4.5 / 5	5 / 4.5 / 4.5	4 / 3.5 / 4	4 / 3.5 / 4	
	Heating: Hot/Average/Cold		3.5 / 3 / 2.5	3.5 / 3 / 2.5	3 / 2.5 / 2	3.5 / 3 / 2	
TCSPP <sup>1</sup>	Residential (Hot/Average/Cold)	kW	6.653 / 6.152 / 6.516	6.535 / 6.114 / 6.476	5.536 / 5.235 / 5.599	5.55 / 5.262 / 5.691	
HSPF <sup>2</sup>	Residential (Hot/Average/Cold)	kW	5.434 / 4.685 / 4.027	5.235 / 4.625 / 4.005	4.955 / 4.207 / 3.507	5.25 / 4.54 / 3.801	
Running current	Cooling/Heating	amps	2.7 / 3.2	3.0 / 3.8	4.8 / 5.1	5.9 / 5.6	
Moisture Removal		l/hr	0.8	1.0	1.2	1.6	
Max. Operating Current		A	9.0				
Recommended Breaker Size		A	15.0				
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	45 / 22	46 / 22	40 / 20	43 / 20
	Indoor (Heating)	High/Quiet		45 / 26	46 / 27	42 / 22	44 / 24
	Outdoor (Cooling/Heating)	High		45 / 46	49 / 51	50 / 50	50 / 50
Sound Power Level	Outdoor	High		57	62	65	65
Air Circulation	Indoor (Cooling)	High Fan	l/sec	161	175	194	214
	Indoor (Heating)	High Fan		161	175	217	228
Dimensions H x W x D	Indoor		mm	270 × 784 × 224		270 × 834 × 215	
	Outdoor			541 × 663 × 290		542 × 799 × 290	
Net Weight	Indoor		kg	8.00	8.00	9.50	10.00
	Outdoor			23.00	25.00	25.00	31.00
Connection Pipe Diameter (Liquid/Gas)		mm	Ø6.35 / Ø9.52				
Drain Hose Diameter (I.D./O.D.)		mm	Ø13.0 / Ø15.0 to Ø16.8				
Pipe Length (Max (Precharged))		m	20 (15)	20 (15)	20 (15)	20 (15)	
Max Height Difference		m	15	15	15	15	
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	
	Charge		kg	550	590	700	850

<sup>1</sup> Total Cooling Seasonal Performance Factor

<sup>2</sup> Heating Seasonal Performance Factor

Set Code			SET-ASTH18KNTA	SET-ASTH22KNTA	SET-ASTH24KNTA
Model No.	Indoor unit		ASTH18KNTA	ASTH22KNTA	ASTH24KNTA
	Outdoor unit		AOTH18KNTA	AOTH22KNTA	AOTH24KNTA
Power Source	V / Ph / Hz		220-240 / 1 / 50		
Capacity	Cooling (Rated (Min - Max))	kW	5.0 (0.9 - 5.6)	6.0 (0.9 - 6.5)	7.1 (1.0 - 8.0)
	Heating (Rated (Min - Max))	kW	5.2 (0.9 - 7.0)	6.5 (0.9 - 7.7)	8.0 (1.0 - 9.6)
Input Power	Cooling (Rated (Min - Max))	kW	1.44 (0.14 - 1.174)	1.78 (0.12 - 2.07)	2.2 (0.16 - 3.0)
	Heating (Rated (Min - Max))	kW	1.33 (0.12 - 2.17)	1.85 (0.12 - 2.4)	2.08 (0.16 - 2.74)
EER	Cooling	kW / kW	3.47	3.37	3.23
COP	Heating	kW / kW	3.91	3.51	3.85
Star Rating	Cooling: Hot/Average/Cold		3.5 / 3.5 / 3.5	3.5 / 3.5 / 3.5	3.5 / 3 / 3.5
	Heating: Hot/Average/Cold		3 / 2.5 / 2	3 / 2 / 1.5	3.5 / 2.5 / 2
TCSPF <sup>1</sup>	Residential (Hot/Average/Cold)	kW	5.395 / 5.122 / 5.491	5.963 / 6.36 / 7.187	5.639 / 5.982 / 6.66
HSPF <sup>2</sup>	Residential (Hot/Average/Cold)	kW	4.961 / 4.28 / 3.575	4.901 / 3.982 / 3.268	5.329 / 4.407 / 3.573
Running current	Cooling/Heating	amps	6.4 / 5.8	7.9 / 8.2	9.6 / 9.2
Moisture Removal		l/hr	2.3	2.9	3.2
Max. Operating Current		A	13.0	13.5	17.0
Recommended Breaker Size		A	16.0		20.0
Sound Pressure Level	Indoor (Cooling)	Quiet/High	dBA	27 / 46	31 / 48
	Indoor (Heating)	Quiet/High		29 / 46	31 / 48
	Outdoor (Cooling/Heating)	High		49 / 49	54 / 53
Sound Power Level	Outdoor	High		61	68
Air Circulation	Indoor (Cooling)	High Fan	l/sec	225	244
	Indoor (Heating)	High Fan		225	244
Dimensions H x W x D	Indoor		270 × 834 × 232		280 × 980 × 240
	Outdoor		542 × 799 × 290	632 × 799 × 290	
Net Weight	Indoor		11.00	11.00	12.50
	Outdoor		33.00	36.00	39.00
Connection Pipe Diameter (Liquid/Gas)		mm	Ø6.35 / Ø12.70		
Drain Hose Diameter (I.D./O.D.)		mm	Ø13.0 / Ø15.8 to Ø16.7		
Pipe Length (Max (Precharged))		m	25 (15)	25 (15)	30 (15)
Max Height Difference		m	20	20	25
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 50	-10 to 50
		Heating		-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32
	Charge		kg	890	960

NEW ZEALAND'S FAVOURITE AIR®

| FUJITSU

FUJITSU GENERAL NEW ZEALAND  
A SUBSIDIARY OF FUJITSU GENERAL LIMITED

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Fujitsu General accepts no liability for incorrect data.  
Please ensure you have confirmed installation  
requirements and pipe sizes prior to install.

FGNZKNCA11/23

# AIRSTAGE