

AIRSTAGE

FUJITSU

Cassette Range

Single Room Solutions



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 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.



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.

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.





Cassette Range

12 models
from 3.2kW
to 15.5kW
Heating capacity



Why Choose Our Cassette Range?

Our Cassette range of heat pumps/air conditioners are suitable for both residential and commercial applications. Ceiling mounted, they are discreet and provide great airflow for ultimate comfort and control, all year round.

Visually Discreet

The Fujitsu General range of Cassette heat pumps/air conditioning units are visually discreet, with a non-intrusive grille design that sits neatly under the ceiling.

Even Temperature Distribution

Incorporating Fujitsu's latest fan design and technology, air can be distributed throughout the space in multiple directions, providing even temperature distribution and all-round comfort.

Simple Comfort Control

Ideal comfort can be enabled via the easy-to-use controller. Super quiet mode means the indoor fan operates at low speed to produce less noise. Use program timers to turn your unit on and off at set times.

Energy Efficiency

Energy management features such as programmable weekly timers, a sleep timer¹ and economy mode offers an efficient cooling and heating solution. The Cassette range is ideal for larger open plan spaces, such as offices and retail outlets.

Easy to Maintain

With a removable indoor unit intake grille², the Cassette range can be kept clean and maintained easily, while louvres can be wiped down to remove any dust for a cleaner air flow.

10°C Heat Mode Operation

10°C heat mode operation prevents the room temperature from dropping below 10°C during the cold winter season.

Human Sensor Control³

An optional intelligent feature, available in the Circular Flow Cassette range, that detects the movement of people to deliver optimum efficiency and temperature control. When in operation, if the sensor detects no movement in a room after 20 minutes, the unit will automatically switch to energy-saving operation, modifying the temperature to minimise energy consumption. When movement is detected within the room, the unit reverts back to its previous setting.

¹Weekly timer and sleep timer not applicable to the Compact Cassette.

²Not applicable to the Circular Flow Cassette.

³Optional part is only available for the Circular Flow Cassette with white grille.

Compact Cassette

- ✓ 4 models from 3.2kW to 8.0kW heating capacity
- ✓ R32 refrigerant
- ✓ High energy saving and quiet operation
- ✓ High efficiency design through 2-stage turbo fan for even air distribution
- ✓ Compact grille design
- ✓ High ceiling mode - can be installed up to a ceiling height of 3m¹
- ✓ Precise temperature control, in 0.5 increments

Indoor unit



AUTH09KVLA

2.5kW | 3.2kW
cooling | heating

AUTH12KVLA

3.5kW | 4.0kW
cooling | heating

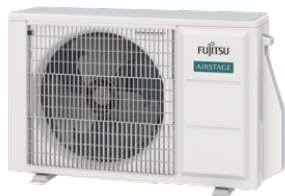
AUTH18KVLA

5.0kW | 6.0kW
cooling | heating

AUTH24KVLA

7.1kW | 8.0kW
cooling | heating

Outdoor units



AOTH09/12KBTA



AOTH18KBTA



AOTH24KBTB

Standard controller



Standard Controller
AR-REJ1E

Available optional controllers



anywAIR[®]
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

Circular Flow Cassette

- ✓ 8 models from 8.0kW to 15.5kW heating capacity
- ✓ Unique circular flow creates a consistent and even temperature via multi-directional 360° airflow
- ✓ Black grille option available to suit any decor
- ✓ R32 refrigerant
- ✓ Energy efficient features including Human Sensor Control²

Indoor units



Single phase

AUTH24KRTA

7.1kW cooling | 8.0kW heating

AUTH30KRTA

8.5kW cooling | 10.0kW heating

AUTH36KRTA

10.0kW cooling | 11.2kW heating

AUTH45KRTA

12.5kW cooling | 14.0kW heating

AUTH54KRTA

13.0kW cooling | 15.5kW heating

Three phase

AUTH36KRTA-3PH

10.0kW cooling | 11.2kW heating

AUTH45KRTA-3PH

12.5kW cooling | 14.0kW heating

AUTH54KRTA-3PH

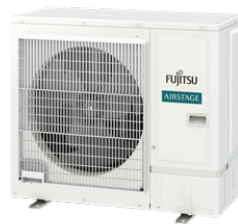
13.0kW cooling | 15.5kW heating

Outdoor units



Single phase

AOTH24KBTA



AOTH30/36KBTA



AOTH45/54KBTA

Three phase

AOTH36KRTA

AOTH45/54KRTA

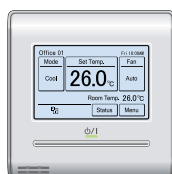
Available optional controllers



anywAir[®]
Technology Wi-Fi
Adaptor II
SET-UTY-NXT



Kagami
Controller
UTY-RVRY



LCD
Touch Panel
Controller
UTY-RNRYTS



LCD Simple
Controller
with Operation
mode
UTY-RSRYT



LCD Simple
Controller
without Operation
mode
UTY-RHRYT



Infra-Red
Controller¹
UTY-LBTYC

²Black grille is not compatible with Human Sensor Control or IR receiver.

Feature Checklist

		SET-AUTH09KVL	SET-AUTH12KVL	SET-AUTH18KVL	SET-AUTH24KVL	SET-AUTH24KR	SET-AUTH30KR	SET-AUTH36KR	SET-AUTH45KR	SET-AUTH54KR	SET-AUTH36KR-3PH	SET-AUTH45KR-3PH	SET-AUTH54KR-3PH
		Compact Cassette				Circular Flow Single Phase				Circular Flow Three Phase			
10C Heat Operation	The room temperature can be set to go no lower than 10C, ensuring that the room does not get too cold when not occupied	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
All DC Components	Electricity loss is decreased and power consumption reduced	✓	✓	✓	✓								
Auto Changeover	Automatically switches between operating modes based on the temperature setting and room temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto Restart	The unit will automatically restart in the same operating mode after a temporary loss of power	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Airflow Adjustment	The micro-processor automatically adjusts air flow to follow changes in room temperature	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blue Fin Heat Exchanger	Corrosion-resistance has been improved by blue fin treatment of the outdoor unit heat exchanger	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Circular Flow Distribution	Creates a consistent and even temperature via multi-directional 360 airflow functionality					✓	✓	✓	✓	✓	✓	✓	✓
Demand Response	Compatible with the Air Conditioning Demand Response program. When your electricity supplier activates one of the three modes, the air conditioner switches over to the appropriate operation					✓	✓	✓	✓	✓	✓	✓	✓
Economy Mode	The temperature will adjust by 1°C to allow for a reduction in power drawn from the compressor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter Sign	Set the interval frequency to be reminded to clean the air filter on your unit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
i-PAM	i-PAM inverter technology enables high output and high efficiency performance	✓	✓	✓	✓								
On-Off Timer	Can be set to operate once every 24 hours	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Program Timer	Allows selection of one of four options. ON, OFF, ON-->OFF, or OFF-->ON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Removable Intake Grill	The indoor unit's intake grille can be removed for easy cleaning and maintenance	✓	✓	✓	✓								
Sleep Timer	The micro-processor gradually changes the room temperature, allowing you to sleep comfortably at night	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Super Quiet Mode	The indoor unit's fan can operate at a low speed to produce quieter operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
V-PAM	v-PAM inverter technology increases the maximum output of the compressor significantly and enables high power and high efficiency	✓	✓	✓	✓								
Washable Panel	Dust that accumulates on the air conditioner can be easily cleaned with a damp cloth	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Weekly Timer	Different on-off timers can be set for up to 7 days					✓	✓	✓	✓	✓	✓	✓	✓



Product Specifications

Compact Cassette

						NEW MODEL	
Set Code			SET-AUTH09KVLA	SET-AUTH12KVLA	SET-AUTH18KVLA	SET-AUTH24KVLA	
Model No.	Indoor unit		AUTH09KVLA	AUTH12KVLA	AUTH18KVLA	AUTH24KVLA	
	Outdoor unit		AOTH09KBTA	AOTH12KBTA	AOTH18KBTA	AOTH24KBTB	
Power Source	V / Ph / Hz		230 / 1 / 50			220 - 240 / 1 / 50	
Capacity	Cooling (Rated (Min - Max))	kW	2.50 (0.9 - 3.6)	3.50 (0.9 - 4.1)	5.00 (0.9 - 5.9)	7.10 (1.5-7.8)	
	Heating (Rated (Min - Max))	kW	3.20 (0.9 - 4.5)	4.00 (0.9 - 5.1)	6.00 (0.9 - 7.1)	8.00 (1.4-8.4)	
Input Power	Cooling (Rated (Max))	kW	0.56 (1.13)	0.90 (1.33)	1.45 (2.39)	2.16 (2.72)	
	Heating (Rated (Max))	kW	0.76 (1.68)	1.04 (1.88)	1.71 (2.78)	2.21 (2.71)	
EER	Cooling	kW / kW	4.46	3.89	3.45	3.29	
COP	Heating	kW / kW	4.21	3.85	3.51	3.62	
Star Rating	Cooling: Hot/Average/Cold		4 / 3.5 / 3.5	3.5 / 3 / 3	3 / 2.5 / 2.5	2.5 / 2.5 / 2.5	
	Heating: Hot/Average/Cold		3.5 / 3 / 2.5	3 / 2.5 / 2	3 / 2 / 1.5	3 / 2.5 / 2	
TCSPF ¹	Residential (Hot/Average/Cold)	kW	5.804 / 5.126 / 5.179	5.206 / 4.74 / 4.862	4.666 / 4.325 / 4.474	4.401 / 4.187 / 4.365	
HSPF ²	Residential (Hot/Average/Cold)	kW	5.064 / 4.575 / 4.108	4.822 / 4.268 / 3.714	4.574 / 3.954 / 3.376	4.58 / 4.044 / 3.533	
Running current	Cooling/Heating	amps	3.0 / 4.0	4.2 / 5.0	6.2 / 7.3	9.6 / 9.7	
Moisture Removal		l/hr	0.7	1.2	2.0	3.4	
Sound Pressure Level	Indoor (Cooling)	High/Quiet	dBA	33 / 28	37 / 28	38 / 26	49 / 30
	Indoor (Heating)	High/Quiet		34 / 27	37 / 28	43 / 30	50 / 33
	Outdoor (Cooling/Heating)	High		41 / 46	47 / 48	48 / 49	54 / 50
Sound Power Level	Outdoor	High	59	61	62	69	
Air Circulation	Indoor (Cooling)	High Fan	l/sec	150	169	189	258
	Indoor (Heating)	High Fan		150	169	189	286
Dimensions H x W x D	Indoor		245 x 570 x 570				
	Cassette grille		49 x 620 x 620				
	Outdoor		542 x 799 x 290		632 x 799 x 290		788 x 940 x 320
Net Weight	Indoor		15.00	15.00	15.00	16.00	
	Cassette grille		2.30	2.30	2.30	2.30	
	Outdoor		32.00	32.00	36.00	53.00	
Connection Pipe Diameter (Liquid/Gas)		mm	Ø6.35 / Ø9.52		Ø6.35 / Ø12.70		
Pipe Length (Max (Precharged))		m	20 (15)	20 (15)	30 (20)	30 (30)	
Max Height Difference		m	15	15	20	30	
Operation Range	Outdoor (Min - Max)	Cooling	°CDB	-10 to 46	-10 to 46	-10 to 46	-10 to 50
		Heating		-15 to 24	-15 to 24	-15 to 24	-15 to 24
Refrigerant	Type		R32	R32	R32	R32	
	Charge		g	850	850	1,020	1,500

¹ Total Cooling Seasonal Performance Factor

² Heating Seasonal Performance Factor

Circular Flow Cassette

SET- AUTH24KRTA	SET- AUTH30KRTA	SET- AUTH36KRTA	SET- AUTH45KRTA	SET- AUTH54KRTA	SET- AUTH36KRTA-3PH	SET- AUTH45KRTA-3PH	SET- AUTH54KRTA-3PH
AUTH24KRTA	AUTH30KRTA	AUTH36KRTA	AUTH45KRTA	AUTH54KRTA	AUTH36KRTA	AUTH45KRTA	AUTH54KRTA
AOTH24KBTA	AOTH30KBTA	AOTH36KBTA	AOTH45KBTA	AOTH54KBTA	AOTH36KRTA	AOTH45KRTA	AOTH54KRTA
220 - 240 / 1 / 50				380 - 415 / 3 / 50			
7.1 (1.8 - 8.1)	8.5 (2.8 - 10.3)	10.0 (2.8 - 11.4)	12.5 (4.0 - 14.0)	13.0 (4.5 - 15.0)	10.0 (2.8 - 11.4)	12.5 (4.0 - 14.0)	13.0 (4.5 - 15.0)
8.0 (2.0 - 9.1)	10.0 (2.7 - 11.3)	11.2 (2.7 - 14.0)	14.0 (4.2 - 16.5)	15.5 (4.7 - 18.0)	11.2 (2.7 - 14.0)	14.0 (4.2 - 16.5)	15.5 (4.7 - 18.0)
2.15 (2.73)	2.39 (4.07)	3.11 (4.11)	3.89 (4.9)	4.04 (5.19)	3.11 (4.11)	3.89 (4.9)	4.04 (5.19)
2.10 (2.59)	2.50 (4.39)	2.87 (4.35)	3.44 (4.9)	4.07 (5.23)	2.87 (4.35)	3.44 (4.9)	4.07 (5.23)
3.30	3.56	3.22	3.21	3.22	3.22	3.21	3.22
3.81	4.00	3.90	4.07	3.81	3.90	4.07	3.81
3 / 3 / 3	3.5 / 3 / 3.5	3 / 3 / 3	3 / 3 / 3	3 / 2.5 / 3	3 / 3 / 3	3 / 3 / 3	3 / 2.5 / 3
3.5 / 2.5 / 2	3.5 / 2.5 / 2	3.5 / 2.5 / 1.5	3.5 / 2.5 / 2	3 / 2 / 1.5	3.5 / 2.5 / 1.5	3.5 / 2.5 / 2	3 / 2 / 1.5
4.995 / 4.697 / 4.992	5.135 / 4.883 / 5.163	4.819 / 4.591 / 4.896	4.764 / 4.548 / 4.842	4.662 / 4.454 / 4.722	4.819 / 4.591 / 4.896	4.764 / 4.548 / 4.842	4.662 / 4.454 / 4.722
5.217 / 4.422 / 3.715	5.087 / 4.367 / 3.633	5.025 / 4.163 / 3.421	5.13 / 4.377 / 3.624	4.925 / 3.708 / 3.072	5.025 / 4.163 / 3.421	5.13 / 4.377 / 3.624	4.925 / 3.708 / 3.072
9.4 / 9.2	10.5 / 11.0	13.7 / 12.6	17.1 / 15.0	18.1 / 17.8	5.2 / 4.8	6.4 / 5.5	6.6 / 6.8
3.1	2.6	3.1	4.8	5.0	3.1	4.8	5.0
35 / 30	40 / 33	44 / 34	46 / 36	47 / 36	44 / 34	46 / 36	47 / 36
35 / 30	40 / 33	44 / 34	46 / 36	47 / 36	44 / 34	46 / 36	47 / 36
48 / 50	51 / 53	53 / 53	55 / 57	55 / 57	53 / 53	55 / 57	55 / 57
68	69	70	71	72	70	71	72
300	417	486	542	556	486	542	556
300	417	486	542	556	486	542	556
246 x 840 x 840	288 x 840 x 840						
53 x 950 x 950							
716 x 820 x 315	788 x 940 x 320		998 x 940 x 320		788 x 940 x 320	998 x 940 x 320	
24.00	26.00	26.00	29.00	29.00	26.00	29.00	29.00
6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
42.00	52.00	52.00	67.00	67.00	53.00	67.00	67.00
Ø6.35 / Ø12.7	Ø9.52 / Ø15.88						
30 (20)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)	50 (30)
25	30	30	30	30	30	30	30
-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50	-10 to 50
-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24
R32	R32	R32	R32	R32	R32	R32	R32
1250	1900	1900	2700	2700	1900	2700	2700

NEW ZEALAND'S FAVOURITE AIR®

| FUJITSU

FUJITSU GENERAL NEW ZEALAND
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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.

FGNZCASSETTE06/24

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