

Fujitsu Central Heating & Cooling



Discover A NEW LEVEL of
luxurious HOME comfort

Featuring
New Zealand's first ever
ENERGY STAR® range of
Ducted Air Conditioning
Heat Pumps.



New Zealand's
Most Energy Efficient
Products



The Home Comfort Specialist

FUJITSU



Now you can enjoy all round comfort, all year round

Home comfort was never this good. Fujitsu's specialist engineering has brought new levels of luxury, economy and control throughout the home – at the touch of a button.

You'll barely know it's there

All you will see are discreet vents and the smart wall controller. You will be enjoying your perfectly controlled temperature (just as you like it) whatever the weather.

Designed for your home

The heat pump (central heating and cooling) unit is concealed and the conditioned air distributed by flexible ducting to the areas you choose. The entire system is tailored to suit your needs, enhancing your lifestyle and adding value to your home

ENERGY STAR® qualified heating

Fujitsu's advanced engineering brings you the only Central Heat Pump systems to qualify for EECA's ENERGY STAR®, so you know you will be getting New Zealand's most economical and efficient heating technology



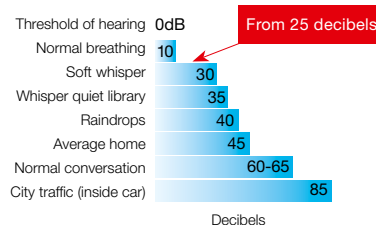
Zone control

Fujitsu's Central Heating systems bring you many extra features – such as the optional Zone Control System that allows you to control the heating and cooling for your optimum comfort for up to 8 zones (rooms). So now you can tailor your perfect level of comfort across your whole home.



Very quiet too

Fujitsu's specialist expertise delivers brilliant fan technology and whisper quiet design, operating as low as 25dB inside – quieter than a human whisper.



Professional installation

Installation of a ducted Central Heat Pump system needs an experienced specialist to ensure years of trouble free, effective and discreet comfort. The dealers who offer this specialist skill are identified on our website with this logo.



That's why Fujitsu has developed specialist training for those installers who sell and install our equipment. These professionals are experts in airflow and ductwork, and have access to Fujitsu's unique DuctCalc computer program which assists in the selection and application of the perfect heat pump system to suit your home and needs.

Accredited consultants

When you use one of these specialists you will get a full 6 year parts and labour warranty (New Zealand's longest). You can identify these specialists on our website, and call them for an obligation free quote and advice:



www.fujitsugeneral.co.nz

FUJITSU FEATURES

Effortless performance

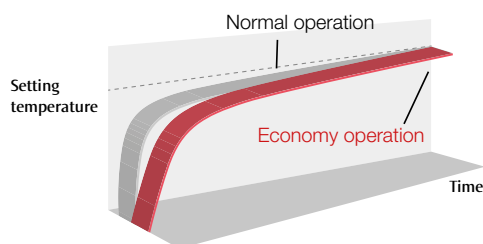
High capacity and compact DC engineering coupled with advanced Inverter systems that can handle greater temperature extremes than conventional heat pumps, this means your Fujitsu system will be economical and capable of reaching your desired temperature faster.

Your Fujitsu system will deliver fast and effective heat, even if it ever gets to -15°C outside.

OUTDOOR TEMPERATURE	
HEATING	COOLING
-15°C to 24°C	-10°C to 46°C

Economy operation

This handy function limits the maximum operation current, cutting power consumption and suppressing the maximum load.



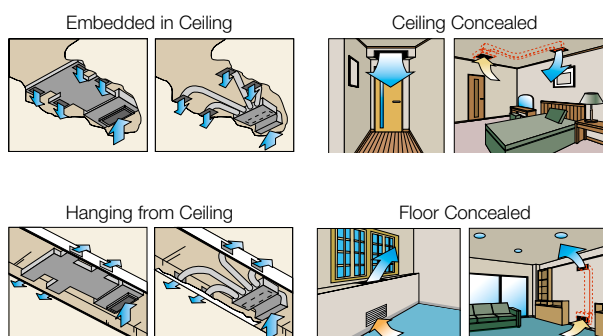
Best in efficiency

Fujitsu's specialist heat pump engineering brings you New Zealand's first ever ENERGY STAR® ducted heat pumps - ensuring you will have the best in economical heating.



Concealed installation

Ducted systems are the ultimate in comfort. Furniture position is not a problem as the indoor unit is typically installed in the ceiling void and discreet ceiling diffusers deliver warm or cool conditioned air throughout your home. The return air grille contains a washable filter that filters the circulated air passing through it. This means that your room is not only the perfect temperature, but dust and dirt particles are removed too.



Appealing selection of discreet vents to choose from.



Central heating features



Moisture removal
The micro computer is an effective dehumidifier.



Automatic air flow adjustment
The micro-computer automatically adjusts the air flow effectively to follow the changes of room temperature.



Auto restart
In the event of a temporary power failure, the heat pump will automatically restart in the same operating mode as before, once the power supply is restored.



Auto-changeover
When selected, the unit automatically switches between heating and cooling modes based on your temperature setting and the room temperature.



Weekly timer
Different on-off times can be set for each day.



Weekly + setback timer
Weekly + setback timer can set temperature for two time spans and for each day of the week.



Connectable distributing duct
Conditioned air can be distributed to adjacent areas by means of a distribution duct.



Fresh air intake
Fresh air can be taken in by a fan which can be connected using UTD-ECS5A (optional parts).



Control port
External inputs and outputs contained within the product allow on/off control, fresh air interlock connection and heater bank element connection.



Zone controller
Allows you to control the heating and cooling for your optimum comfort for up to 8 zones (rooms).



Cobalt blue heat exchanger
Outdoor unit fins are coated with a blue corrosion resistant material to enhance durability and extend the performance life of your heat pump.



The ENERGY STAR® is awarded to the top 25% of New Zealand's most efficient appliances. Fujitsu has more Energy Star heat pumps than any other brand.



Cooling



Heating

Smart control for more convenience and better economy

NEW! Zone Control System

(optional)

This system gives you the ability to control the heating and cooling for each room (zone). It is designed to be used on certain models (ARTG30, 36, 45 and 54), so you can tailor your perfect level of comfort across your home.

Zone Control Kit

SET-LOZONECTRL, SET-HIZONECTRL

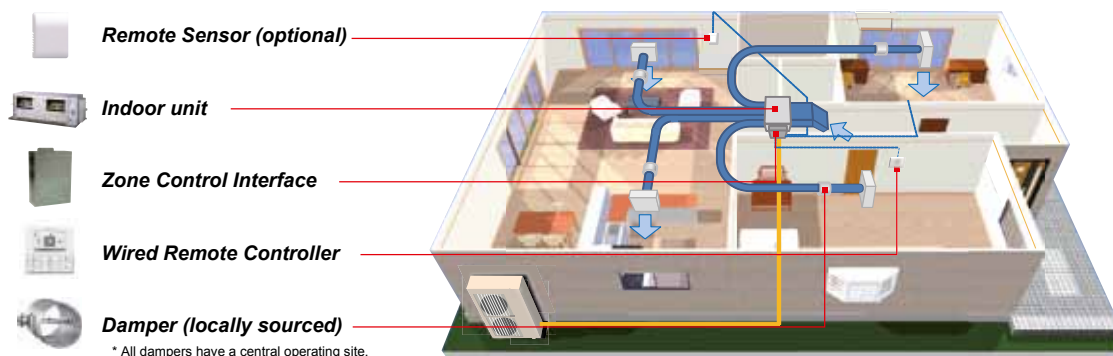
The heating / cooling to each room is controlled by the opening and closing of the dampers.



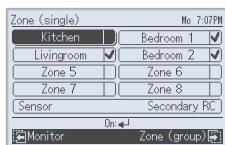
UTY-RVNYN



UTY-CDPXZC
UTY-CDPXZD



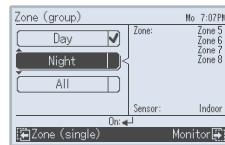
1. Zone setting



Dampers can be opened and closed individually.

Zone groups can be renamed at any time.

2. Zone group setting

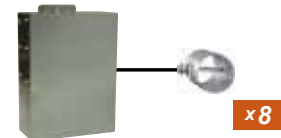


Multiple zones can be grouped together in a single zone group.

Each zone group is named and can be operated individually or as a batch by one button.

Zone groups can be renamed at any time.

3. Dampers in up to 8 zones can be operated at once.



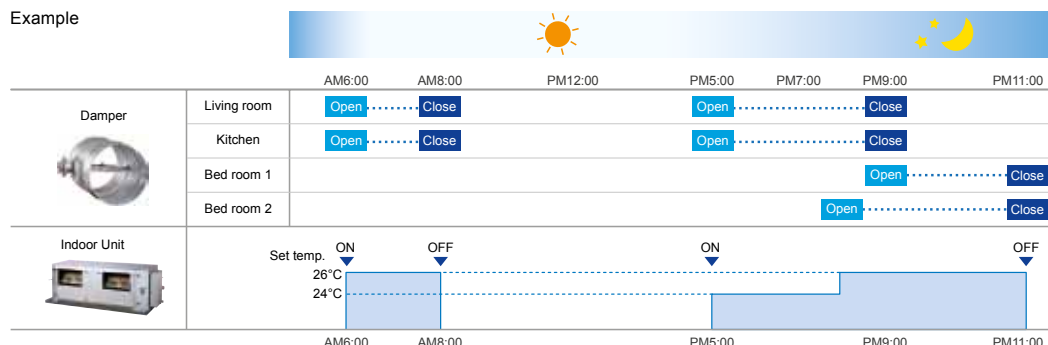
Dampers in up to 8 zones can be operated at once (if a common zone is set-up)

Energy saving using weekly timer function

The opening and closing of dampers can be scheduled to fit in with your daily routine by using the weekly timer function. You can tailor the timer to different temperatures at different times, (up to 8 settings per day) including switching on and off at the times that best suit each zone.

The weekly timer can take settings for 2 weekly types - so it is possible to set your ideal schedule for winter and summer.

Example



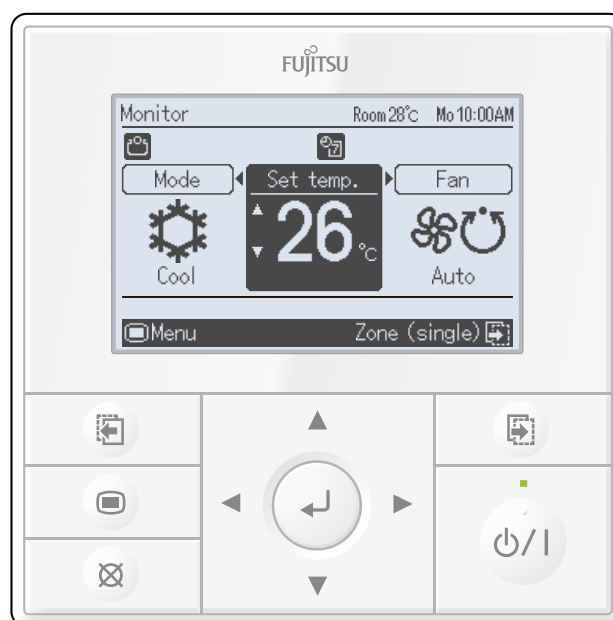


LCD Wall Controller UTY-RVNYN (optional)

Features:

- Includes all the control functions of the already supplied controller
- 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 – so you can lessen the temperature range by single degrees
- Auto return set temperature – you can change the temperature setting within timer settings
- Economy mode – an additional economy feature
- 3 types of lock-out operation: child lock; partial lock and management lock
- Memory back-up
- Clean filter indicator

WORLD FIRST



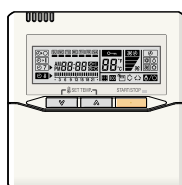
UTY-RVNYN

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.

Features :

- Includes all the control functions of the already supplied controller
- 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

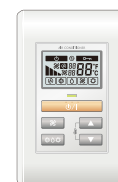


UTY-RNNYN

Simple Wall Controller UTY-RSNNY (optional)

Features:

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



UTY-RSNNY

Please note that a special communication part is required when installing any optional wall controller.

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

www.fujitsugeneral.co.nz



Our range of Central Heating and Cooling

Fujitsu supply a very wide range of ducted models to suit the homes and conditions throughout New Zealand. Just ask your Fujitsu ducted heat pump specialist to explain which system will best suit your home and your budget. Whichever you use, the luxury of a central heating system will add a new level of comfort to your lifestyle, as well as adding real value to your home.

The Sleep Pump™ - When you need a good night's sleep

Here's an affordable way for a family to create year round comfort in either 3 or 4 bedrooms.

These entry point central heating systems are designed to keep your bedrooms warm in winter, then cool and dehumidify them in summer. The fact that sleep is such an important aspect of your family's health makes these affordable systems not only a lifestyle improvement, but also a genuine contribution to the well-being of the whole family.

Sleep Pump™ 3



Heating capacity: 8.0kW
Heating efficiency: COP 3.65
Cooling capacity: 7.1kW
Cooling efficiency: EER 3.40
Quiet mode: just 25dB

Sleep Pump™ 4



Heating capacity: 10.0kW
Heating efficiency: COP 3.73
Cooling capacity: 8.5kW
Cooling efficiency: EER 3.21
Quiet mode: just 29dB





Slimlines

These slim models are designed for flexibility of installation and ease of maintenance. They are quiet, energy efficient and add luxurious comfort throughout your home, yet you barely know they are there.

The smart LCD controller is easy to use, and gives you all the options you could ever need.

ARTG24LML*



Heating capacity: 8.0kW
Heating efficiency: COP 3.65
Cooling capacity: 7.1kW
Cooling efficiency: EER 3.40
Quiet mode: just 25dB

ARTA36LAT*

Heating capacity: 11.2kW
Heating efficiency: COP 3.71
Cooling capacity: 10.0kW
Cooling efficiency: EER 3.21
Quiet mode: just 26dB

ARTA30LBT*



Heating capacity: 10.0kW
Heating efficiency: COP 3.73
Cooling capacity: 8.5kW
Cooling efficiency: EER 3.21
Quiet mode: just 29dB

ARTA45LAT*

Heating capacity: 14.0kW
Heating efficiency: COP 3.48
Cooling capacity: 11.5kW
Cooling efficiency: EER 3.23
Quiet mode: just 28dB



Compact Lightweights

These compact chassis systems make hi-static models easy to install without compromising performance. Their excellent static pressures make them ideal for long duct runs or many outlets.

ARTG30LHT*



Heating capacity: 11.2kW
Heating efficiency: COP 3.8
Cooling capacity: 9.0kW
Cooling efficiency: EER 3.33

ARTG36LHT*



Heating capacity: 12.1kW
Heating efficiency: COP 3.67
Cooling capacity: 10.5kW
Cooling efficiency: EER 3.30

ARTG45LHT*



Heating capacity: 14.0kW
Heating efficiency: COP 3.68
Cooling capacity: 12.5kW
Cooling efficiency: EER 3.10

ARTG54LHT*

Heating capacity: 16.0kW
Heating efficiency: COP 3.6
Cooling capacity: 14.0kW
Cooling efficiency: EER 3.00



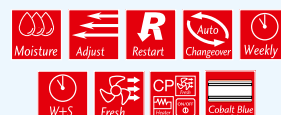
Bulkhead Type

Compact design allows them to be installed into the cavity of your ceiling, at floor level or in a wall. Typically for a single room application.

ARTG18LLTA



Heating capacity: 6.0kW
Heating efficiency: COP 3.85
Cooling capacity: 5.2kW
Cooling efficiency: EER 3.59
Quiet mode: just 27dB



Specifications

Type			Bulkhead	Low Profile	Low Profile	Low Profile	Low Profile	Hi Profile	Hi Profile	Hi Profile	Hi Profile
MODEL No.	Indoor Unit		ARTG18LLTA	ARTG24MLC	ARTA30LBTU	ARTA36LATU	ARTA45LATU	ARTG30LHTA	ARTG36LHTA	ARTG45LHTA	ARTG54LHTC
	Outdoor Unit		AOTG18LACC	AOTG24LACC	AOTA30LCTL	AOTA36LCTL	AOTA45LCTL	AOTG30LCTL	AOTG36LCTL	AOTG45LCTL	AOTG54LCTL
Heating Capacities		kW	6.0	8.0	10.0	11.2	14.0	11.2	12.1	14.0	16.0
Heating Range		kW	0.9 - 7.5	2.2 - 9.1	2.7 - 11.2	4.0 - 14.0	4.2 - 15.5	5.0 - 12.1	5.1 - 14.0	6.0 - 16.0	6.2 - 18.0
Cooling Capacities		kW	5.2	7.1	8.5	10.0	11.5	9.0	10.5	12.5	14.0
Cooling Range		kW	0.9 - 5.9	2.9 - 8.0	2.8 - 10.0	3.8 - 11.2	4.0 - 13.3	4.7 - 10.0	5.0 - 11.4	5.7 - 14.0	6.2 - 15.2
C.O.P Heat		W/W	3.85	3.65	3.73	3.71	3.48	3.80	3.67	3.68	3.66
E.E.R Cool		W/W	3.59	3.40	3.21	3.21	3.23	3.33	3.30	3.10	3.18
Running Current	Heat (Max)	Amps	6.6 (13.1)	9.2 (15.7)	11.2 (17.0)	12.7 (20.0)	16.8 (21.0)	12.4 (18.1)	13.9 (20.1)	16.0 (22.5)	18.3 (23.5)
	Cool (Max)	Amps	6.1 (9.6)	8.8 (15.7)	11.1 (17.0)	13 (19.5)	14.9 (21.0)	11.4 (18.1)	13.4 (19.6)	16.9 (22.5)	18.4 (23.5)
Input Power	Heat (Max)	kW	1.56 (2.31)	2.19 (2.75)	2.68 (4.04)	3.02 (4.78)	4.02 (5.02)	2.95 (4.30)	3.30 (4.80)	3.80 (5.38)	4.44 (5.63)
	Cool (Max)	kW	1.45 (1.61)	2.09 (2.40)	2.65 (4.04)	3.11 (4.66)	3.56 (5.02)	2.70 (4.30)	3.18 (4.67)	4.03 (5.38)	4.37 (5.63)
Moisture Removal		L/Hr	2.0	2.5	2.5	3.0	3.5	1.0	1.5	1.0	1.5
Fan Speeds			4	4	4	4	4	3	3	3	3
Air Circulation	Max	l/s	261	305	583	514	583	695	695	900	986
Indoor Sound Level	Quiet	DbA at 1.0m	27	25	29	26	28	N/A	N/A	N/A	N/A
	Low	DbA at 1.0m	29	27	32	31	32	36	36	35	36
	Med	DbA at 1.0m	30	29	37	36	38	38	38	39	40
	High	DbA at 1.0m	32	31	42	40	42	41	41	43	45
Outdoor Pressure Level	Max	DbA at 1.0m	56	54	55	54	55	53	54	55	55
Dimensions and Weights	I.U	Height	mm	198	270	270	270	400	400	425	425
		Width	mm	900	1135	1135	1135	1050	1050	1250	1250
		Depth	mm	620	700	700	700	500	500	490	490
		Net Weight	kg	23	38	40	40	39	39	54	54
	O.U	Height	mm	620	830	830	1290	1290	1290	1290	1290
		Width	mm	790	900	900	900	900	900	900	900
		Depth	mm	290	330	330	330	330	330	330	330
		Net Weight	kg	41	60	61	94	86	86	86	86
Ductwork Plenum Size	Supply	mm	850 X 198	4 X 205 dia	4 X 205 dia	4 X 205 dia	4 X 205 dia	851 X 295	851 X 295	921 X 304	921 X 304
	Return	mm	Bulkhead	1015 X 240	1015 X 240	1015 X 240	1015 X 240	862 X 324	862 X 324	1062 X 351	1062 X 351
Ex Static Pressure		Pa	0 - 90	30 - 150	30 - 150	30 - 150	30 - 150	60 - 210	60 - 210	60 - 260	60 - 260
Interconnect Cables - Size		Qty - mm2	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5	4 - 1.5
Recommended Min. Power Cable		mm2	4	4	4	6	6	6	6	6	6
Phase - Frequency		Ph - Hz	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50	1 - 50
Power Supply Attachment			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Power Supply		Volts	230	230	230	230	230	230	230	230	230
Connection Pipe Sizes	Gas	mm	12.7	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
	Liquid	mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52	9.52	9.52
Minimum Pipe Length		Metre	5	5	5	5	5	5	5	5	5
Maximum Pipe Length		Metre	30	30	50	50	50	50	50	50	75
Maximum Pipe Height		Metre	20	30	30	30	30	30	30	30	30
Pre Charged Length		Metre	15	20	20	20	20	20	20	20	30
Outdoor Operating Temperature	Cool	Degree C	-10 to 46	-10 to 46	-15 to 46	-15 to 46	-15 to 46	-5 to 46	-5 to 46	-5 to 46	-15 to 46
	Heat	Degree C	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24	-15 to 24

Explanation of terms

Capacity: The higher the capacity, the more area and 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 4.11kW of heat for every 1kW of energy used.

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!

Products depicted in this brochure contain high operating pressure R410a refrigerant. It is illegal to vent that refrigerant to the atmosphere. Only persons qualified and experienced in the installation, service and repair of these products are authorised to undertake such work.

Fujitsu General Accredited Installers have shown they have the necessary equipment and have accepted responsibility for their installations and the requirements of any statutes or laws.

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.

Heating/Cooling capacities and run current tests are based on the requirements of AS/NZS3823, that standard tests 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

As actual temperature ranges in New Zealand vary considerably only competent people should provide advice as to size and placement of units.

Recommended cable sizes are based in AS/NZS3000 and AS/NZS3008.

Fujitsu General New Zealand Ltd warrants the equipment against any defects in materials and factory workmanship for a period of five years from the date of installation, or for 6 years if installed by an Accredited Installer.

This warranty does not cover defects or failures which are attributable to; incorrect or improper installation; environmental damage; airflow restriction; inadequate electrical supply; getting access to the product.

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

Why Fujitsu?



Only Fujitsu heat pumps are recommended by Asthma New Zealand



Independently awarded as NZ's leading iconic and trusted heat pump brand.



The Home Comfort Specialist