



HEAT PUMPS BY DAIKIN

Energy efficient heating and cooling solutions for your home



Year round comfort *for your family*

Heat pumps do much more than heat and cool the space you live and work in. Daikin heat pumps allow you to obtain an ideal temperature in your home, providing your family with comfort all year round. A Daikin Specialist Dealer is your expert when it comes to providing the comfort of quiet, energy efficient air conditioning. With over 450 Daikin Specialist Dealers across Australia and New Zealand, there's sure to be one near you.

Making the Right Choice: *Heat Pumps.*

Every house is unique and so is how you use each room. So, naturally you want a heat pump that suits your home and family. Whether you are heating or cooling a small or large area, building a new home or renovating, there's a Daikin heat pump to suit your needs. Choosing the right unit, and having it installed correctly by your Daikin Specialist Dealer, will provide quiet, energy efficient comfort for your home.



WALL MOUNTED HEAT PUMPS

Daikin's wall mounted heat pumps are a natural choice for those wanting the comfort of a unit that blends with its surroundings. The design of the unit also allows for easy cleaning – the smooth surfaces can be simply wiped clean.

Daikin's air purifying filters and innovative airflow systems enable filtered air to flow to every corner of the room.



FLOOR STANDING HEAT PUMPS

Daikin's floor standing heat pumps are compact and ideal for anyone wanting the convenience and access of positioning their unit closer to the floor. They can even be semi-recessed into the wall or in an unused fireplace.

The units use either top, or top and bottom discharge vents to distribute air evenly through the room.

WITH DAIKIN *Heat Pumps,* YOU'RE MAKING A *Sensitive Choice.*



DID YOU KNOW... DAIKIN HEAT PUMPS ARE EXCLUSIVELY APPROVED BY THE ASTHMA FOUNDATION'S SENSITIVE CHOICE PROGRAM TO CARRY THE BUTTERFLY SYMBOL?



SENSITIVE CHOICE

The National Asthma Council Australia and the Asthma Foundation New Zealand introduced the Sensitive Choice® program to help people identify products that are better suited for people with asthma and allergies. They chose Daikin as the only split system heat pump authorised to display the Sensitive Choice butterfly symbol.

DOUBLE ACTION

All Daikin heat pumps have been fitted with an air-purifying filter. Most of these heat pumps are fitted with a more advanced Titanium Apatite Photocatalytic Air-Purifying filter. These filters not only trap most microscopic airborne particles, but also assist to decompose odours, absorb and deactivate bacteria and viruses.

ADVANCED FILTERS

Daikin Split System heat pumps have advanced air-purifying filters that may help to reduce some of the triggers that affect people with asthma and allergies and help to provide a cleaner and healthier indoor environment.

Daikin Air Purifiers *A Sensitive, Smart Choice*



Daikin Air Purifiers produce air that is both cleaner and fresher. The technology of a negative ion generator aids the removal of pollutants, dust particles and other airborne matter from the air in your home. Daikin's Air Purifier's enhanced performance is due to an advanced seven layer filtering system.

Approved by the National Asthma Council Australia and the Asthma Foundation (NZ), Daikin Air Purifiers are authorised to display the Sensitive Choice butterfly symbol.

Air Purifier Filters:

1. Prefilter
2. Bio-antibody filter
3. Plasma ioniser
4. Flash streamer unit
5. Electrostatic dust collection filter
6. Titanium apatite photo-catalytic filter
7. Streamer deodorising catalyst

*Daikin Air Purifiers come with a 1 year warranty.





Controllers

Backlit Wireless Remote Controller

This remote controller with a backlit liquid crystal display and luminescent control buttons*, also features a built-in weekly time clock that can be programmed to suit your personal lifestyle with up to four actions per day of the week.

This advanced controller not only allows you to program on/off time, but also the desired temperature. Furthermore, the copy function enables any daily program to be replicated on any other day or days as required.

Applicable to FVXS and FTXS ranges.



*4 control buttons on the top panel are luminescent.



LCD Wireless Remote Controller

This remote controller puts superior comfort at your fingertips. Frequently used buttons are instantly accessible while other buttons are under the cover of the remote. A large liquid crystal display panel makes it easy to read the settings and the on/off button has a raised dot so that you can feel it in the dark.

Applicable to FTYN range.

Ururu Sarara Remote Controller

The Ururu Sarara comes with a user-friendly remote control that clearly and legibly displays the various functions including room humidity level and temperature setting.

Applicable to FTXR range.



TECHNOLOGY

THAT DELIVERS **comfort** AND
energy efficiency FOR YOUR HOME



DAIKIN'S INVERTER DIFFERENCE

Daikin inverter heat pumps are more powerful and more energy efficient than conventional, non-inverter models. Conventional heat pumps operate at a fixed speed, delivering a fixed amount of cooling and heating. A Daikin inverter has advanced technology that operates more intelligently. The principle is simple: inverters adjust the power to suit your actual requirements – no more, no less.

The inverter continuously adjusts its cooling and heating output in accordance with the temperature in the room. When the desired temperature is reached, inverter technology ensures it is constantly maintained – keeping you comfortable at the same time as running more efficiently.

HYBRID EXPLAINED

Daikin's Hybrid Split System combines technologies from both the inverter and traditional non inverter systems. Like a non inverter, the Hybrid Split System operates at its rated capacity and as the room temperature reaches the desired level, the system uses the intelligence of inverter technology to steadily maintain your desired temperature setting.

WORKING QUIETLY

Comfort is not only enjoying the desired temperature in a room or space, it is also a quiet, peaceful environment. Daikin's swing compressor reduces friction for smoother and quieter operation.

DAIKIN'S RANGE OF ENERGY STAR HEAT PUMPS

Only the most energy efficient heat pumps qualify for ENERGY STAR, New Zealand's mark of energy efficiency.

Daikin air conditioning is a New Zealand ENERGY STAR partner with a range of ENERGY STAR qualified heat pumps.

To qualify for ENERGY STAR, a heat pump must work very efficiently in both heating and cooling modes. ENERGY STAR qualified models must also be proven to work efficiently at 2°C, when they're more prone to icing up and going into defrost mode.

The full list of qualified products can be found at www.energywise.govt.nz/energy-star

ENERGY RATING LABELS – THE MORE STARS THE MORE ENERGY EFFICIENT

Heat pumps sold in New Zealand are required to display an energy rating label. The more stars on the label, the more energy efficient the heat pump is.

For more information visit
www.energywise.govt.nz



**New Zealand's
Most Energy Efficient
Products**

Features and Benefits*

SUPERIOR COMFORT

Program Dry Function. The system reduces humidity in the room while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate and will switch into cooling mode if the room temperature increases too much.

Indoor Unit Quiet Operation Function.

Sound levels are reduced by 2-3 decibels (dB) from the low fan speed for quieter heating and cooling.**

Outdoor Unit Quiet Operation Function.

Outdoor unit sound levels can be reduced by 3dB when quieter operation is needed.**

Auto Fan Speed. To reduce operating noise, the fan speed is automatically controlled by the micro-processor to suit the thermostat setting and prevailing room temperature.

Automatic Operation (reverse cycle only).

For year-round comfort, this function allows the unit to automatically switch between heating and cooling modes as required.

Inverter Powerful Operation. Pushing the POWERFUL button on the remote control gives you a boost in cooling and heating power for a 20-minute period, even if the unit is already operating at high capacity.

COMFORTABLE AIRFLOW

Comfortable Mode. The new flap changes the delivery angle to horizontal for cooling and vertical for heating operation, to prevent cold or warm air from blowing directly onto your body.

3-D Airflow. Combines vertical and horizontal auto-swing to circulate cool/warm air to the corners of large spaces.

Hot Start. When heating commences, or when changing from cooling to heating, airflow doesn't start until the air is warm, preventing cold draughts.

HEALTHY AND CLEAN

Air-Purifying Filter. The air-purifying filter and titanium apatite photocatalytic deodorizing filter trap most microscopic particles, decompose odours and help absorb and deactivate bacteria and viruses to purify the air in your room.

Wipe Clean The panels of the heat pump can be cleaned with a cloth across the smooth surface.

ECONOMICAL

Intelligent Eye. This is an infrared motion sensor with the ability to sense movement in the room. When you are in the room, the heat pump operates normally. If no activity is detected in a room for more than 20 minutes the heat pump automatically changes to an energy-efficient operation.

Econo Mode. This function allows you to reduce the peak power consumption of the heat pump. Econo Mode is useful in preventing nuisance tripping when you have multiple major electrical appliances operating simultaneously. It works by reducing the maximum speed that the compressor in the outdoor unit is allowed to operate at and therefore will also reduce the maximum noise level of the outdoor unit.**

Night Set Mode. Through the use of the 'Timer-OFF Circuit', the preset room temperature gently rises in cooling or falls in heating before the unit stops. This energy efficient feature allows you to sleep comfortably without feeling a sudden change in the room temperature.

Standby Power Function. When the heat pump is not in use, the standby power function turns off power supply to the outdoor unit and sets the indoor unit into standby electricity saving mode, reducing energy consumption.

CONVENIENT

24-Hour On/Off Timer. The timer can be preset to start and stop the heat pump at any time within a 24-hour period. Once the times are set, the heat pump can be operated for a period by simply pressing the ON or OFF timer buttons.

Weekly Timer. This function makes it easy to enter up to four settings per day for each day of the week. It not only allows you to program on and off time, but also the desired temperature.

EASY TO OPERATE

Self-Diagnosis. In the unlikely event that a problem develops with the unit, malfunction codes can be displayed on the liquid crystal panel of the remote control for fast and easy fault diagnosis.

Auto-Restart. The unit memorises the operation mode, airflow and temperature settings. Should there be a power failure when the unit is in operation, it will automatically return to the same operating conditions when the power is restored.

PROTECTION

Anti-Corrosion. The special anti-corrosion coating on the outdoor unit heat exchanger ensures greater resistance to salt damage and atmospheric corrosion.

OPTIONS

Centralised Control. Centralised control of up to five systems is possible using a central control panel and an optional wiring adaptor.

External ON/OFF Control. Control of the system by an external field-supplied time clock is possible with an optional wiring adaptor PCB.

* Not all features available on all models. Please refer to checklist on page 5.
** Reducing noise will reduce capacity slightly.

FEATURES CHECKLIST

		FLOOR STANDING UNIT	WALL MOUNTED UNIT		
		INVERTER	INVERTER		HYBRID
Reverse Cycle (heating & cooling)		FVXS25K FVXS35L FVXS50K FVXS50L FVXS60L FVXS71L	FTXR28K FTXR42K FTXR50K	FTXS20L FTXS25L FTXS35L FTXS46L FTXS50L FTXS60L FTXS71L FTXS85L FTXS95L	FTYN25K FTYN35KA
		✓	✓	✓	
		✓	✓	✓	✓
 Standby Power Function		✓		✓	✓
 Power-Airflow Dual Flaps			✓	✓	✓
 Wide-Angle Louvres		✓	✓	✓	✓
 Vertical Auto-Swing (up and down)		✓	✓	✓	✓
 Horizontal Auto-Swing (left and right)			✓	✓	✓
 3-D Airflow			✓	✓	✓
 Comfortable Mode			✓	✓	✓
 Indoor Unit Quiet Operation		✓	✓	✓	✓
 Outdoor Unit Quiet Operation		✓		✓	
 Intelligent Eye				✓	✓
 Automatic Operation		✓	✓	✓	✓
 Program Dry Function		✓		✓	✓
 Auto Fan Speed		✓	✓	✓	✓
 Hot Start		✓	✓	✓	✓
 Titanium Apatite Photocatalytic Air-Purifying Filter		✓	✓	✓	✓
 Air-Purifying Filter		✓	✓	✓	✓
 Wipe Clean		✓	✓	✓	✓
 Econo Mode		✓		✓	
 Powerful Operation (Inverter & Non Inverter)		✓	✓	✓	✓
 LCD Wireless Remote Control		✓	✓	✓	✓
 Indoor Unit On/Off Switch		✓	✓	✓	✓
 24-Hour On/Off Timer		✓	✓	✓	✓
 Weekly Timer		✓		✓	
 Night Set Mode		✓	✓	✓	✓
 Auto-Restart after Power Failure		✓	✓	✓	✓
 Self-Diagnosis with Digital Display		✓	✓	✓	✓
 Anticorrosion Treatment of Outdoor Heat Exchanger Fin		✓	✓	✓	✓

URURU SARARA



The heat pump that cools, heats, humidifies, dehumidifies, purifies and ventilates.

Modern heat pumps not only heat, but cool the air as well. You can adjust the temperature in your home all year round with one system. But there can be more than just pleasant temperature needed to enjoy a comfortable indoor climate. Precise adjustment of both the humidity level and ventilation in a room is also important, however this has not been possible with conventional heat pumps.

Until now...

Daikin's Ururu Sarara split system heat pump can humidify and dehumidify, ventilate and purify the indoor air - all at the same time. The ideal solution for ideal living comfort in all seasons. Perfect, just the way you like it.

The Ururu Sarara is not your average heat pump. This system controls the temperature and ventilation as well as humidity levels.

HUMIDIFICATION

Homogeneous indoor air quality

Humidification (called 'Ururu' in Japanese) is created by absorbing moisture from the outdoor air. The humidified outdoor air streams into the indoor unit and is evenly distributed throughout the indoor areas. Apart from enhancing the feeling of warmth, extra humidity reduces the feeling of dry skin.

DEHUMIDIFICATION

Without a drop in temperature

During summer, a high degree of ambient air humidity, even at moderate temperatures can make a room feel hot and stuffy. The Sarara dehumidification system reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air. This will particularly benefit people sensitive to the cold.

VENTILATION

Filtered outside air, even with closed windows

Unlike a conventional heat pump, the Ururu Sarara brings filtered outside air into the room. The Ururu Sarara is the first residential air conditioning system in Australia and New Zealand that can fill a room of 26m² with filtered outside air in less than two hours. Furthermore, the temperature of the incoming air is brought to the desired level. The air supply fan is located in the outdoor unit, which minimises indoor noise.

AIR PURIFICATION

Non-stop purified air

The Ururu Sarara purifies the incoming air in two stages: first in the outdoor unit and then in the indoor unit. Exhaust gases and unpleasant odours are broken down and removed by the outdoor unit before the air streams into the indoor unit. Air is then further purified in the indoor unit through dust and pollen filtration. The photocatalytic air purification filter helps to break down odours such as cigarette smoke and cooking smells. Finally, the Flash Streamer gives the air its last treatment, helping to break down formaldehyde and moulds.

IMPROVED INDOOR ENVIRONMENT

The 'hydration' mode combines a high and controlled relative humidity level together with a comfortable air flow. Thanks to the 'cooling breeze' airflow, your room will feel cool, even with a relatively high temperature setting. By oscillating the direction of the airflow, it creates the feeling of a pleasantly cool breeze. The 'comfort sleep' mode adapts the temperature fluctuations to those that the body experiences at night.

ENERGY EFFICIENT

Daikin's inverter technology adjusts the power used to suit the actual requirement, providing both comfort and energy efficiency. The system continually adjusts its cooling and heating output to suit the temperature in the room. The inverter shortens the system start-up time, enabling the required room temperature to be reached more quickly. As soon as the desired temperature is reached, the inverter ensures that it is constantly maintained.



WALL MOUNTED INVERTER *Heat Pumps*

INDOOR UNIT		FTXR28KVMA	FTXR42KVMA	FTXR50KVMA
OUTDOOR UNIT		RXR28KVMA	RXR42KVMA	RXR50KVMA
Rated Capacity	Cool (kW)	2.8	4.2	4.9
	Heat (kW)	3.6	5.1	5.9
Capacity Range	Cool (kW)	1.55-3.60	1.55-4.60	1.55-5.50
	Heat (kW)	1.3-5.00	1.3-5.60	1.3-6.20
Indoor Airflow Rate (Hi)	Cool (l/s)	185	207	222
	Heat (l/s)	207	215	233
Indoor Fan Speeds		5 steps, quiet and automatic		
Energy Label/ Star Ratings	Cool	★★★★★	★★★☆☆	★★☆☆
	Heat	★★★★★☆☆	★★★★★☆☆	★★★★
Front Panel Colour		White	White	White
Power Supply		1 phase, 220-240 50Hz		
Power Input (Rated)	Cool (kW)	0.57	1.07	1.47
	Heat (kW)	0.71	1.17	1.49
E.E.R./C.O.P.	Cool/Heat	4.86/5.03	3.93/4.34	3.32/3.97
A.E.E.R./A.C.O.P.	Cool/Heat	4.37/4.63	3.70/4.13	3.18/3.81
Dimensions (HxWxD)	Indoor (mm)	305 x 890 x 209	305 x 890 x 209	305 x 890 x 209
	Outdoor (mm)	693 x 795 x 285	693 x 795 x 285	693 x 795 x 285
Weight	Indoor (kg)	14	14	14
	Outdoor (kg)	48	48	48
Compressor Type		Hermetically sealed swing type		
Refrigerant Type		R410A	R410A	R410A
Max Pipe Length	(m)	10	10	10
Max Level Difference	(m)	8	8	8
Pipe Sizes	Liquid (mm)	6.4	6.4	6.4
	Gas (mm)	9.5	9.5	9.5
Outdoor Operating Range (outdoor temp)	Cool (°CDB)	10 to 43	10 to 43	10 to 43
	Heat (°CWB)	-20 to 18	-20 to 18	-20 to 18
Indoor Sound Level (H/SL)	Cool (dBA)	39/23	42/24	44/26
	Heat (dBA)	41/25	42/26	44/28
Outdoor Sound Level (H)	Cool (dBA)	46	48	48
	Heat (dBA)	46	48	50
EPA Sound Power Level (H)	Outdoor (dBA) Cool/Heat	60/60	62/62	62/64

★ = 1 star ★ = 1/2 star

NOTES:


1. The Rated Capacity, Power Input and Running Current are determined under conditions T1 (cooling) or H1 (heating) of AS/NZS 3823.1.1.
2. The cooling (or heating) output capacity will be reduced below the rated value as the outdoor temperature approaches the maximum (or minimum) outdoor temperature operating range limit.
3. Indoor unit sound levels are determined in an anechoic chamber at a distance of 1 metre from the front of the unit. They are normally higher during actual operation due to ambient conditions.
4. Inverter heat pumps do not have a current surge during start up. The compressor start current of an inverter heat pump is typically lower than specified running current.
5. The specifications, designs and information in this brochure are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this brochure may vary slightly.

WALL MOUNTED INVERTER

Heat Pumps

L-Series




INDOOR UNIT		FTXS20LVMA	FTXS25LVMA	FTXS35LVMA	FTXS46LVMA	FTXS50LVMA
OUTDOOR UNIT		RXS20LVMA	RXS25LVMA	RXS35LVMA	RXS46LVMA	RXS50LVMA
Rated Capacity	Cool (kW)	2.0	2.5	3.5	4.6	5.0
	Heat (kW)	2.7	3.4	4.0	5.1	6.0
Capacity Range	Cool (kW)	1.3-2.8	1.3-3.2	1.4-4.0	1.7-5.3	1.7-6.0
	Heat (kW)	1.3-4.3	1.3-4.7	1.4-5.2	1.7-6.8	1.7-7.7
Indoor Airflow Rate (Hi)	Cool (l/s)	162	177	188	203	305
	Heat (l/s)	175	192	200	215	323
Indoor Fan Speeds		5 steps, quiet and automatic				
Energy Label/ Star Ratings	Cool	★★★★★	★★★★★☆	★★★★	★★★☆☆	★★★★
	Heat	★★★★★	★★★★★	★★★★★☆	★★★☆☆	★★★★★
Front Panel Colour		White	White	White	White	White
Power Supply		1 phase, 220-240, 50Hz				
Power Input (Rated)	Cool (kW)	0.45	0.54	0.91	1.25	1.32
	Heat (kW)	0.61	0.70	0.88	1.37	1.47
E.E.R./C.O.P.	Cool/Heat	4.44/4.43	4.63/4.86	3.85/4.55	3.68/3.72	3.79/4.08
A.E.E.R./A.C.O.P.	Cool/Heat	4.37/4.37	4.57/4.81	3.81/4.51	3.66/3.70	3.77/4.06
Dimensions (HxWxD)	Indoor (mm)	295x800x215				
	Outdoor (mm)	550x765x285	550x765x285	550x765x285	735x825x300	735x825x300
Weight	Indoor (kg)	9	10	10	10	14
	Outdoor (kg)	31	34	34	46	46
Compressor Type		Hermetically sealed swing type				
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Max Pipe Length	(m)	20	20	20	30	30
Max Level Difference	(m)	15	15	15	20	20
Pipe Sizes	Liquid (mm)	6.4	6.4	6.4	6.4	6.4
	Gas (mm)	9.5	9.5	9.5	12.7	12.7
Outdoor Operating Range (outdoor temp)	Cool (°CDB)	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46
	Heat (°CWB)	-15 to 18	-15 to 18	-15 to 18	-15 to 18	-15 to 18
Indoor Sound Level (H/SL)	Cool (dBA)	38/22	40/22	42/23	44/32	46/32
	Heat (dBA)	39/25	40/25	42/26	42/30	45/30
Outdoor Sound Level (H/SL)	Cool (dBA)	46/43	47/43	49/44	47/44	47/44
	Heat (dBA)	47/44	48/44	49/45	48/45	48/45
EPA Sound Power Level (H)	Outdoor (dBA) Cool/Heat	60/61	61/62	63/63	61/62	61/62
EECA Energy Star Compliant		✓	✓	✓	✓	✓

★ = 1 star ☆ = 1/2 star



The L-Series - Daikin's most energy efficient Heat Pump

- **Standby Power Function** – reduces electricity consumption when not in use
- **Intelligent Eye** – monitors activity in the room
- **Econo Mode Function** – reduces the peak power consumption of the air conditioner

INDOOR UNIT		FTXS60LVMA	FTXS71LVMA	FTXS85LVMA	FTXS95LVMA
OUTDOOR UNIT		RXS60LVMA	RXS71LVMA	RXS85LVMA	RXS95LVMA
Rated Capacity	Cool (kW)	6.0	7.1	8.5	9.4
	Heat (kW)	7.0	8.0	9.0	10.5
Capacity Range	Cool (kW)	1.7-6.7	2.3-8.5	3.0-10.5	3.0-11.2
	Heat (kW)	1.7-8.0	2.3-10.0	3.0-11.2	3.0-11.7
Indoor Airflow Rate (Hi)	Cool (l/s)	320	352	397	378
	Heat (l/s)	353	360	402	415
Indoor Fan Speeds		5 steps, quiet and automatic			
Energy Label/ Star Ratings	Cool	★★★★	★★	★★	★★
	Heat	★★★★★	★★★	★★★	★★
Front Panel Colour		White	White	White	White
Power Supply		1 phase, 220-240, 50Hz			
Power Input (Rated)	Cool (kW)	1.69	2.08	2.58	2.88
	Heat (kW)	1.73	2.18	2.51	3.22
E.E.R./C.O.P.	Cool/Heat	3.55/4.05	3.41/3.67	3.29/3.59	3.26/3.26
A.E.E.R./A.C.O.P.	Cool/Heat	3.53/4.03	3.40/3.66	3.28/3.57	3.25/3.25
Dimensions (HxWxD)	Indoor (mm)	340x1050x248	340x1050x248	340x1200x240	340x1200x240
	Outdoor (mm)	735x825x300	770x900x320	990x940x320	990x940x320
Weight	Indoor (kg)	14	14	17	18
	Outdoor (kg)	46	71	80	82
Compressor Type		Hermetically sealed swing type			
Refrigerant Type		R410A	R410A	R410A	R410A
Max Pipe Length	(m)	30	30	30	30
Max Level Difference	(m)	20	20	20	20
Pipe Sizes	Liquid (mm)	6.4	9.5	9.5	9.5
	Gas (mm)	12.7	15.9	15.9	15.9
Outdoor Operating Range (outdoor temp)	Cool (°CDB)	10 to 46	10 to 46	10 to 46	10 to 46
	Heat (°CWB)	-15 to 18	-15 to 18	-15 to 18	-15 to 18
Indoor Sound Level (H/SL)	Cool (dBA)	48/33	51/34	49/37	51/38
	Heat (dBA)	48/30	49/32	49/35	50/35
Outdoor Sound Level (H/SL)	Cool (dBA)	49/46	52/49	54/51	54/50
	Heat (dBA)	49/46	53/49	55/51	55/51
EPA Sound Power Level (H)	Outdoor (dBA) Cool/Heat	63/63	66/67	68/69	68/69
EECA Energy Star Compliant		✓	✓	✓	

★ = 1 star ☆ = 1/2 star

HYBRID INVERTER

Heat Pumps



INDOOR UNIT		FTYN25KV1A	FTYN35KAV1A
OUTDOOR UNIT		RYN25KV1A	RYN35KAV1A
Rated Capacity	Cool (kW)	2.5	3.5
	Heat (kW)	3.4	4.0
Indoor Airflow Rate (Hi)	Cool (l/s)	162	188
	Heat (l/s)	175	192
Indoor Fan Speeds		5 steps and automatic	
Energy Label/ Star Ratings	Cool	★★★★	★★★★
	Heat	★★★★★	★★★★
Front Panel Colour		White	White
Power Supply		1 phase, 220-240V, 50Hz	
Power Input (Rated)	Cool (kW)	0.63	0.99
	Heat (kW)	0.80	1.01
E.E.R./C.O.P.	Cool/Heat	3.97/4.25	3.54/3.96
A.E.E.R./A.C.O.P.	Cool/Heat	3.97/4.23	3.54/3.96
Dimensions (HxWxD)	Indoor (mm)	295x800x215	295x800x215
	Outdoor (mm)	550x765x285	550x765x285
Weight	Indoor (kg)	9	10
	Outdoor (kg)	34	34
Compressor Type		Hermetically sealed swing type	
Refrigerant Type		R410A	R410A
Max Pipe Length	(m)	20	20
Max Level Difference	(m)	15	15
Pipe Sizes	Liquid (mm)	6.4	6.4
	Gas (mm)	9.5	9.5
Outdoor Operating Range (outdoor temp)	Cool (°CDB)	10 to 46	10 to 46
	Heat (°CWB)	-15 to 18	-15 to 18
Indoor Sound Level (H/SL)	Cool (dBA)	38/22	42/23
	Heat (dBA)	39/25	42/26
Outdoor Sound Level (H)	Cool (dBA)	46	48
	Heat (dBA)	47	48
EPA Sound Power Level (H)	Outdoor (dBA) Cool/Heat	61/62	63/63


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FLOOR STANDING INVERTER

Heat Pumps

L-Series

INDOOR UNIT		FVXS25KV1A	FVXS35LV1A	FVXS50KV1A	FVXS50LVMA	FVXS60LVMA	FVXS71LVMA
OUTDOOR UNIT		RXS25LAVMA	RXS35LAVMA	RXS50KVMA	RXS50LAVMA	RXS60LAVMA	RXS71LAVMA
Rated Capacity	Cool (kW)	2.46	3.5	4.92	5.0	6.0	7.1
	Heat (kW)	3.33	4.42	5.68	5.8	7.0	7.65
Capacity Range	Cool (kW)	1.3-3.0	1.7-3.8	1.4-5.6	1.7-5.6	2.3-6.7	3.0-8.5
	Heat (kW)	1.3-4.5	1.7-5.0	1.4-8.1	1.7-8.1	2.3-9.0	3.0-10.0
Indoor Airflow Rate (Hi)	Cool (l/s)	137	147	178	260	292	273
	Heat (l/s)	147	157	197	285	285	317
Indoor Fan Speeds		5 steps, quiet and automatic					
Energy Label/ Star Ratings	Cool	★★★★☆	★★★★	★★★	★★★★	★★★☆☆	★★★
	Heat	★★★★☆	★★★★	★★★★	★★★★	★★★	★★★
Front Panel Colour		White	White	White	White	White	White
Power Supply		1 phase, 220-240V, 50Hz					
Power Input (Rated)	Cool (kW)	0.59	0.92	1.57	1.30	1.70	2.13
	Heat (kW)	0.79	1.17	1.61	1.59	2.03	2.21
E.E.R./C.O.P.	Cool/Heat	4.17/4.22	3.80/3.78	3.13 / 3.53	3.85/3.65	3.53/3.45	3.33/3.46
A.E.E.R./A.C.O.P.	Cool/Heat	4.12/4.18	3.77/3.75	3.12 / 3.51	3.82/3.63	3.51/3.43	3.32/3.45
Dimensions (HxWxD)	Indoor (mm)	600x700x210	600x700x210	600x700x210	770x850x290	770x850x290	770x850x290
	Outdoor (mm)	550x765x285	735x825x300	735x825x300	735x825x300	770x900x320	990x940x320
Weight	Indoor (kg)	14	14	14	25	25	25
	Outdoor (kg)	34	46	48	46	71	80
Compressor Type		Hermetically sealed swing type					
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A
Max Pipe Length	(m)	20	30	30	30	30	30
Max Level Difference	(m)	15	20	20	20	20	20
Pipe Sizes	Liquid (mm)	6.4	6.4	6.4	6.4	6.4	9.5
	Gas (mm)	9.5	12.7	12.7	12.7	12.7	15.9
Outdoor Operating Range (outdoor temp)	Cool (°CDB)	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46	10 to 46
	Heat (°CWB)	-15 to 18	-15 to 18	-15 to 18	-15 to 18	-15 to 18	-15 to 18
Indoor Sound Level (H/SL)	Cool (dBA)	38/23	39/24	44/32	45/32	47/33	46/33
	Heat (dBA)	38/23	39/24	45/32	45/32	45/33	47/34
Outdoor Sound Level (H/SL)	Cool (dBA)	46/43	47/44	47/44	47/44	49/46	52/49
	Heat (dBA)	47/44	48/45	48/45	48/45	49/46	54/50
EPA Sound Power Level (H)	Outdoor (dBA) Cool/Heat	60/61	61/62	61/62	61/62	63/63	66/66
EECA Energy Star Compliant		✓	✓	✓	✓	✓	✓

★ = 1 star ☆ = 1/2 star

Please refer to notes on page 7.

TRUST THE **HEAT PUMP SPECIALISTS**

4 STEPS TO GETTING IT RIGHT

OVER 60 DAIKIN SPECIALIST DEALERS ACROSS NEW ZEALAND READY TO HELP YOU FIT THE RIGHT HEAT PUMP SOLUTION FOR YOUR HOME - BIG OR SMALL.

1 Trust a Daikin Specialist Dealer

Selecting a Daikin Specialist Dealer will help you obtain an efficient, reliable installation with the best possible service and advice for getting the right Heat Pump.

2 Measure, Quote and Install

Your Daikin Specialist Dealer will come to your home to carefully evaluate your needs and will then provide you with a detailed cost estimate. Next is the installation stage. Here your Daikin Specialist Dealer is your assurance that the work will be performed cleanly, quickly and safely.

3 Daikin's 5 Year Warranty

The Daikin 5 year parts and labour warranty applies to all products in this brochure, purchased and installed in New Zealand.



4 Maintenance

For your peace of mind, entrust the regular maintenance of your system to a Daikin Specialist Dealer - this way you will optimise the performance and longevity of your unit.

For the second year running, Daikin was awarded the title of 'Most Satisfied Customers' in the heat pump category by CANSTAR Blue.

In the survey, Kiwis rated Daikin No.1 for:

- Overall satisfaction
- Value for money
- Functionality
- After sales service
- Energy efficiency
- Reliability

Full Canstar Blue results are available at www.canstarblue.co.nz



HEAT PUMPS
2011 - 2012

HEAT PUMPS MADE *easy* WITH DAIKIN

HEAT PUMPS: WHAT TO LOOK FOR

NOW THAT YOU'VE READ THIS BROCHURE YOU SHOULD HAVE A BASIC UNDERSTANDING OF ALL THE BENEFITS OF A DAIKIN HEAT PUMP. HERE ARE SOME QUICK HINTS AND TIPS TO HELP YOU WITH YOUR DECISION AND ENSURE YOU GET THE RIGHT HEAT PUMP FOR YOUR NEEDS.

- ✓ **Get the right size heat pump for your home** – When you're buying a heat pump, it's very important to seek expert advice. A Daikin Specialist Dealer is a great place to start. They will devote the time and effort to ensure you choose the right heat pump for your individual needs.
- ✓ **Energy efficiency** – Daikin's advanced and innovative technology ensures your heat pump is one of the most energy efficient units available. A Daikin Specialist Dealer will ensure you choose the most energy efficient heat pump for the size of your room or home.
- ✓ **Professional installation** – Daikin's Specialist Dealer network does it all, offering you one great price covering the cost of the heat pump plus installation. Your Daikin Specialist Dealer will make sure, whatever heat pump you select is professionally installed so it works quietly and efficiently.
- ✓ **Certified operation in extremes** – When climatic conditions are extreme, either at their coldest or at their hottest, that's when you need your heat pump the most. So when it's really cold, you're really warm and when it's uncomfortably hot, you're comfortably cool. Inverter models are very reliable even when temperatures are extreme. A Daikin heat pump is certified to operate when temperatures soar as high as 46°C (cooling) or fall as low as minus 15°C (heating).*
- ✓ **Noise level considerations** – It's very important to consider the noise level of a heat pump whether it is inside or outside, noise level should be minimal.

*Excludes models FTYN25K and FTYN35K which operates at minus 10°C (heating)

*Excludes FTXR models which operates in up to 43°C (cooling) and minus 20°C (heating)

*Refer to H₂ conditions in specifications.



Assumptions

All representations made in Daikin marketing and promotional material are based on the assumptions that the correct equipment has been selected, appropriately sized and installed in accordance with Daikin's installation instructions and standard industry practises.

Quality Certifications

Daikin Industries Limited was the first air conditioning equipment manufacturer in Japan to receive ISO 9001 certification. All Daikin manufacturing facilities have been certified to ISO 9001 Quality Management System requirements. ISO 9001 is a certificate for quality assurance concerning 'design, development, manufacturing, installation and related service' of products manufactured at that factory.

Environmental Qualifications

Daikin Industries Limited has received ISO 14001 Environmental Certification for the Daikin production facilities listed below. ISO 14001 is an international standard specifying requirement for an environmental management system, enabling an organisation to formulate policy and objectives, taking into account legislative requirements and information about significant environmental impacts. It applies to those environmental aspects within the organisation's control and over which it can be expected to have an influence.

The certification relates only to the environmental management system and does not constitute any endorsement of the products shipped from the facility by the International Organisation for Standardisation.



Quality
ISO 9001
SAI GLOBAL



Environment
ISO 14001
SAI GLOBAL

Daikin Australia Pty Limited (ISO 9001)
QEC 23256 May 12, 2006
Sydney, Brisbane, Adelaide, Melbourne,
Newcastle, Townsville, Perth, Auckland

Daikin Australia Pty Limited (ISO 14001)
CEM 20437 October 27, 2006
Sydney, Brisbane, Adelaide, Melbourne,
Perth

Head Office / Tokyo Office

Shiga Plant (Japan)

Sakai Plant (Japan)

Daikin Industries Ltd (Thailand)

Yodogawa Plant (Japan)

Daikin Australia Pty. Ltd.

Certificate number: EC02J0355

Certificate number: EC99J2044

Certificate number: JQA-E-80009

Certificate number: JQA-E-90108

Certificate number: EC99J2057

Certificate number: CEM20437

**Residential Air Conditioning
Manufacturing Div (ISO 9001)**
JQA-0486 May 2, 1994 (Shiga Plant)

**Commercial Air Conditioning
and Refrigeration
Manufacturing Div (ISO 9001)**
JMI0107 December 28, 1992
(Kanaoka Factory and Rinkai
Factory at Sakai Plant)

**Industrial System and Chiller
Products
Manufacturing Div (ISO 9001)**
JQA-0495 May 16, 1994 (Yodogawa
Plant and Kanaoka Factory and
Kishiwada Factory)

Daikin Europe N.V (ISO 9001)
Lloyd 928589.1 June 2, 1993

Daikin Industries (Thailand) Ltd
JQA-1452 September 13, 2002 (ISO 9001)



www.daikin.co.nz

DEALER: