

HITACHI

HEAT PUMPS

Consumer Guide

Split System: Floor Mounted Inverter Heat Pumps

Another
HITACHI
Day

'New Zealand's most elegant Floor Console'



Another Hitachi Day

Imagine choosing your perfect day then instantly creating it in the comfort of your own home. With Hitachi heat pumps you create your favourite season anytime, at the touch of a button. The choice is yours. Welcome to Another Hitachi Day.



Comfort All Year Round

There's nothing worse than having a cold house all winter long – waking up in the morning to freezing temperatures, cold surroundings and damp air.

In summer, it can be hard to cool a stuffy house that's been shut up all day, or to be comfortable on humid evenings, when open windows can pose a security risk and invite insect problems.

Now, with an Hitachi floor mounted heat pump, you can control your everyday environment day and night, all year round.

Our heat pumps provide effective cooling at temperatures as high as 43°C outside, and out-perform other heating systems at temperatures as low as -10°C.



Energy Star

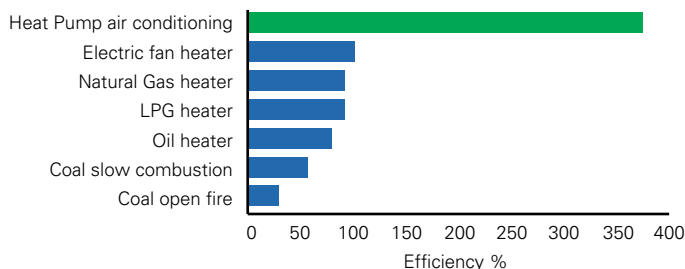


This logo is awarded to appliances that are among the most energy efficient on the market in their class at the time of testing. Only Energy Star models can qualify for a heat pump subsidy under EECA's 'Warm Up NZ' campaign.

(Refer back page Specifications table).

Save power, save money

Hitachi advanced technology leads in power efficiency. A measure of this efficiency is called the Coefficient Of Performance, or COP. Hitachi heat pumps have excellent COP. For every 1 kW of electricity used by our heat pumps, more than 3.5 kW of heating or 3 kW of cooling is delivered to your room. The Energy Efficiency graph below shows how effective our heat pumps are compared to other heating methods.



Installing an Hitachi heat pump means no more heat going up the chimney, and no more cluttering up your home with a host of power hungry appliances. What is more, our heat pumps disperse warm or cool air throughout your room, unlike traditional radiators.

Enhance the value of your home

Hitachi modern air conditioning systems are compact, elegant, and unobtrusive. Each system comprises an indoor unit (floor mounted) and an outdoor unit (located near the house), sized to suit the area to be air conditioned. Select from a range of models all designed to blend in with your environment.



Outdoor: RAC-50NXA1



Indoor: RAF-35NXA1 RAF-50NXA1

Total Hitachi Comfort

Totally Safe...

Even when you are not at home.

The unit sits securely on the floor with no ugly electric cords on the floor to trip over, no flammable fluids, no fumes and no dangerous hot elements.



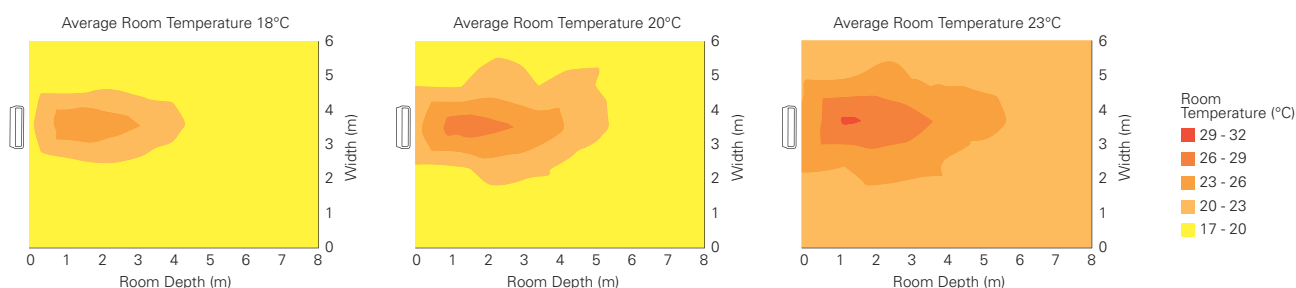
Fuzzy Logic Control

The built in microcomputer takes account of previous and current conditions and sets the advanced activation timer to provide the optimum temperature. This control system automatically provides optimal cooling or heating operation by using a combination of indoor/outdoor sensors and room temperature settings, to adjust the room temperature quickly and efficiently.

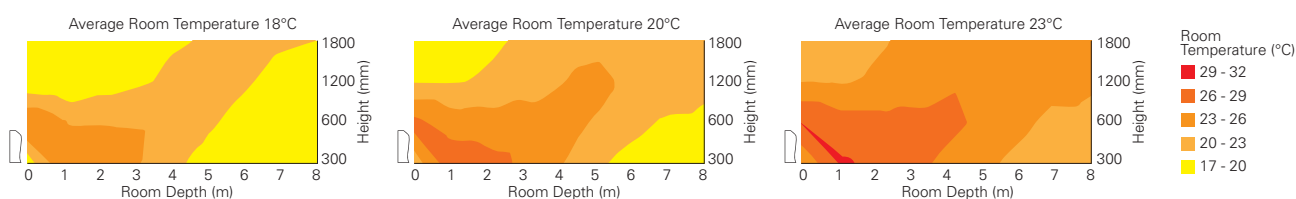
Even Heating

Hitachi floor consoles are designed to efficiently heat your room creating an even temperature throughout.

Heating Operation at 300mm from floor - plane view



Heating Operation within room - side view

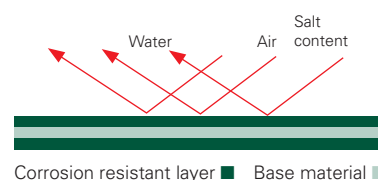


Low Starting Current and Auto Restart

Hitachi DC Inverter technology uses a low starting current, to minimise power usage at start up. For convenience, Hitachi heat pumps are able to memorise the precise operation mode, air flow, temperature and timing settings. If there is a power cut, settings will automatically reset to the original operating mode once power is restored.

Outdoor Durability

With its special anti-corrosion "transparent" coating, the Fin Condenser lasts up to three times as long as standard types. This coating on the outdoor heat exchanger assures better performance and improves durability even in tough conditions such as those in coastal areas.



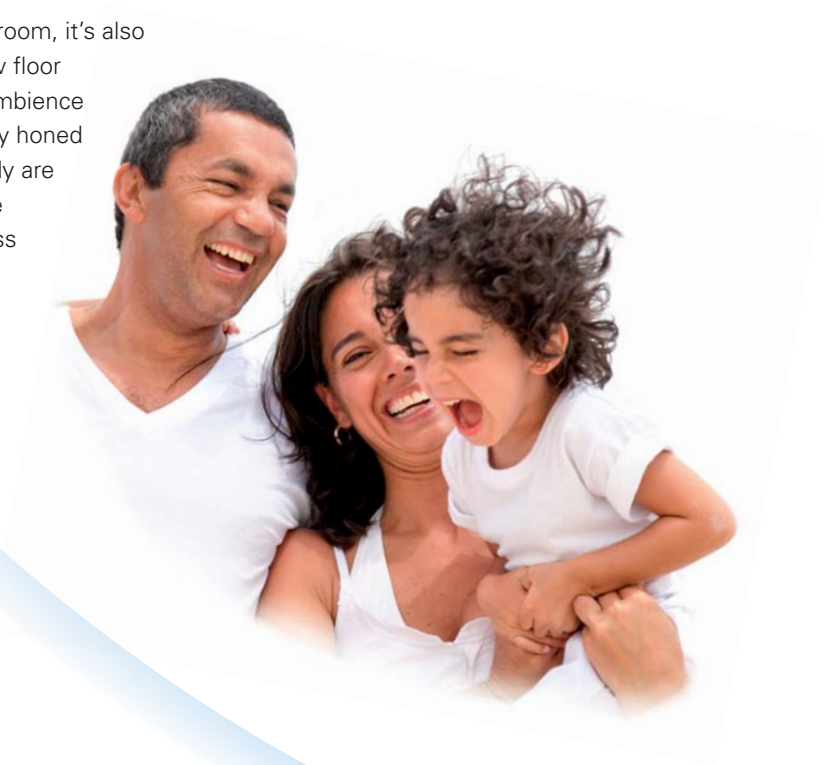


Elegance in Design

We know comfort isn't just about having a warm room, it's also about loving the room your in. That's why the new floor mounted heat pumps are designed with overall ambience in mind. Our simple yet elegant design has a finely honed curve giving it a slimming look. The stand and body are visually separate and with differing finishes on the front frame and cabinet enhancing its compactness will look at home in any room.

LCD Remote System Controllers

The handy infrared remote control allows you to accurately select the desired room temperature from the comfort of your armchair. All commands are shown clearly on the liquid crystal display. A smart system of one touch buttons can create the perfect environment with ease.



The new SPX-WKT1 Weekly Timer is available as an optional extra. Offering 5 different programs for each calendar day with start and end times and temperature control. Customise settings for "Weekly Program" or use the "Temporary Operation Mode". Choice of 5 fan settings: Auto/High/Medium/Low/Sleep.



SPX-WKT1 Weekly Timer – featuring remote functions

A Breath of Fresh Air



Pre-Filter

The pre-filter which covers the entire air inlet to stop dust and other particles from entering.



Nano Titanium Air Purifying Filter

Shuts out germs, bacteria and allergens.

Nano Titanium particles are minute particles that catch and neutralize bacteria, mould and odour molecules which are approximately 1,000 times larger.

The Air Purifying Filter uses both these incredibly small nano titanium particles and anti-bacterial Silver Agents to trap and eliminate microbes as well as neutralise allergens and remove harmful substances such as formaldehyde.



Deactivation Effect

Sample: Escherichia coli.

Bacteria (sample Escherichia coli) is **deactivated by 99%** in 24 hours.

(Tested by SIRIM QAS International Sdn, Bhd. Report No: 2004KLO100).



Before deactivation

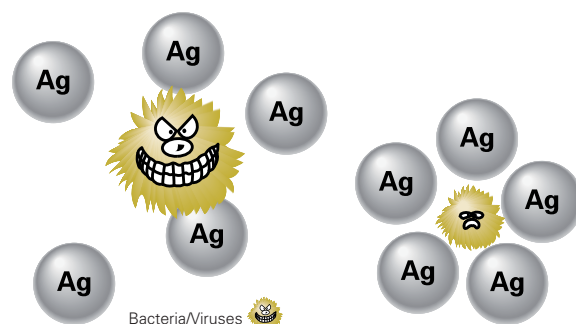
After 24 hours

Silver Action

Silver Agents.

Silver agents are also included in the air purifying filter to efficiently catch and deactivate bacteria.

Using the action of the nano titanium catalyst which is 1/200 the size of regular antibacterial and silver agents, microbes are captured and effectively neutralised to provide a powerful deodorising effect.



Floor Mounted Single Split System Specifications

Model: Indoor Unit	RAF-35NXA1	RAF-50NXA1
Capacity*		
Cooling Capacity (kW)	3.5	5.0
Range (kW)	1.1 ~ 4.2	1.1 ~ 5.2
Heating Capacity (kW)	4.2	6.0
Range (kW)	1.1 ~ 5.2	2.2 ~ 7.3
Dehumidifying Capacity (l/h)	1.6	2.0
Efficiency		
Power Input kW (Cooling)	0.94	1.51
Power Input kW (Heating)	1.05	1.66
EER / AEER (Cooling)	3.72 / 3.74	3.31 / 3.29
COP / ACOP (Heating)	4.00 / 3.89	3.61 / 3.83
Star Rating Cool / Heat	★★★★ / ★★★★★	★★★ / ★★★★★
ENERGY STAR®	Yes	Yes
Dimensions & weights		
Dimensions IU (H x W x D mm)	600 / 760 / 235	600 / 760 / 235
Weight IU (kg)	14	14
Dimensions OU (H x W x D mm)	548 / 750 / 288	600 / 792 / 299
Weight OU (kg)	36	40
Noise levels		
Sound Pressure Level IU dB(A) * (Hi / Med / Low / Sleep)	42 / 35 / 29 / 25	46 / 37 / 30 / 25
Sound Pressure Level OU (dB) Cool / Heat	47 / 49	52 / 52
Installation		
Pipe Connection Sizes: Gas (mm) (in)	9.5 (3/8)	12.7 (1/2)
Pipe Connection Sizes: Liquid (mm) (in)	6.35 (1/4)	6.35 (1/4)
Max. Pipe Length (m) (min./max.)	3 / 20	3 / 20
Max. Height Difference (m)	10	10
Pipe Connection Method	Flare	Flare
Features		
Net Pre-Filter	Yes	Yes
Nano Titanium Air Purifying Filter	Yes	Yes
Anti Corrosion Fin (O/U Coil)	Transparent	Transparent
Indoor Fan – Anti-Bacterial Coating	Yes	Yes
Multi-Directional Air Flow	Yes	Yes
Weekly Timer SPX-WKT1	Optional	Optional

Range of operation: Cooling -10°C to 43°C, Heating -15°C to 21°C. * AS/NZ3823.2 † Japanese Industry Standard. **Refrigerant:** R410A.

Note: Materials and specifications subject to change without prior notice due to the manufacturer's ongoing research and development programme.

Peace of Mind

Temperzone Ltd distributes Hitachi heat pumps throughout New Zealand. Hitachi heat pumps from temperzone have a 6 year warranty on parts and labour.

It's a comfort to know that this warranty is backed by Temperzone Ltd, the largest air conditioning manufacturer and exporter in Australasia: founded, owned and operated by New Zealanders since 1956.

Easy Installation

Your temperature problems can be solved in a matter of hours.

Call us today for your no obligation on site inspection and quote.



Six year warranty



Energy Efficient



Quiet and Discreet



Convenient comfort control



'Hitachi ticks all the boxes'

Your local Hitachi dealer: