

# Hansol Hi Wall Inverter Air Conditioner



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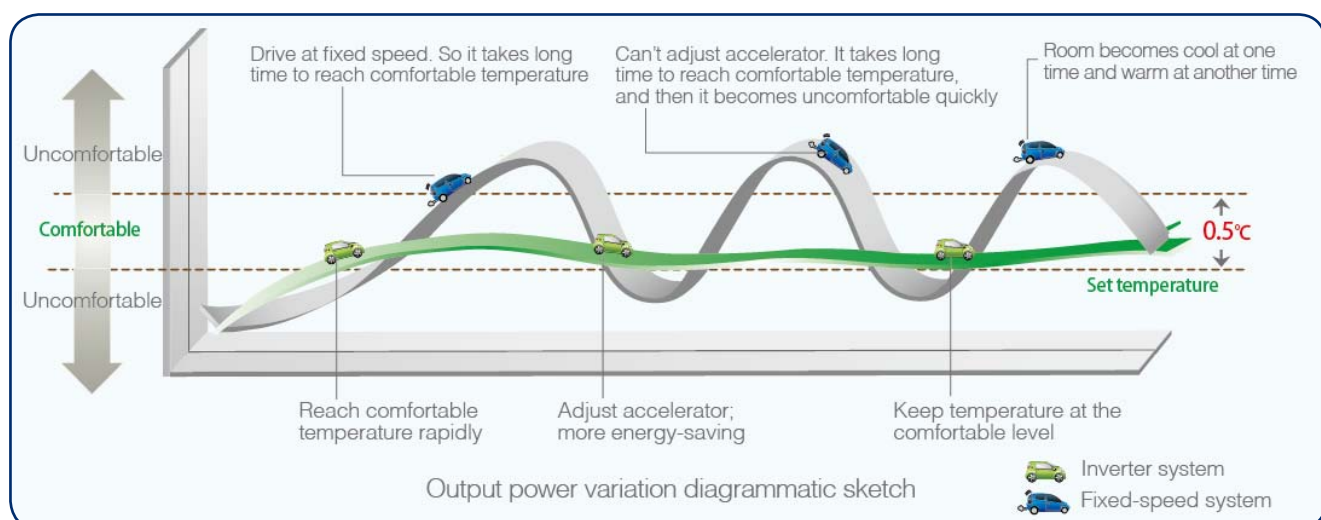
# Hansol Hi Wall Inverter Air Conditioner

## Why Choose a Gree Hansol Hi Wall Air Conditioner?

Feature-rich with advanced components, the Hansol is our highest-efficiency model, specially designed to save energy and protect the environment. Through our commitment to smart ecological design, the Hansol's unrivalled technology packs an energy-efficient punch that is guaranteed to resonate well in any atmosphere. This sleek heating and cooling device is a wall mount air conditioner system, equipped with the latest G10 inverter technology and an intelligent energy saving function –engineered to reduce up to 65% of your energy consumption. Minimal and contemporary in appearance, the Hansol easily blends in with its surroundings and utilises a highly intuitive wireless remote control that aids in regulating room temperature with in-built I FEEL automation. Our state-of-the-art photocatalytic filter and X-fan improves air quality by eliminating 99.9% of bacteria and viruses, while dually inhibiting mildew growth on its coil. Advanced efficiency with refreshing ease, the Hansol sustains long-term savings for you and the environment.

## All Gree Air Conditioners are fitted with Gree's G10 Inverter Technology.

Inverter air conditioners are more powerful and more energy efficient than fixed speed air conditioners. Gree G10 Inverter's use highly sensitive signal processors to vary the speed of the air conditioner to match the temperature required. When the desired temperature is achieved, the G10 Inverter technology ensures it's continually maintained with minimal noise.



## What Are The Benefits of the G10 Inverter Technology?

### Greater Power Savings

The G10 Inverter can save approximately up to 20% more power year on year compared to a fixed speed air conditioner. In addition to this, Gree Air Conditioners use less than 1W of power in standby mode.



### Low Noise

The Gree 180° Sine Wave DC Speed Varying Technology offers precise control giving unceasing operation and accurate temperature stability. By operating over a wider frequency the compressor is less stressed giving superior reliability while offering lower noise levels.

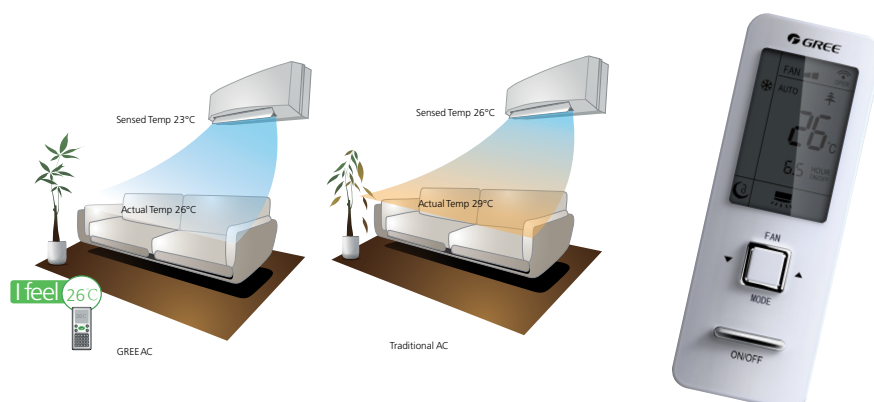
### Increased Comfort

The superior control of the G10 Inverter means that even in extreme outdoor temperatures, the air conditioner will maintain the set temperature within  $\pm 0.5^{\circ}\text{C}$ .

During colder months when your home or office is unoccupied, the G10 Inverter ensures the indoor temperature is maintained at a minimum of  $8^{\circ}\text{C}$ .

## iFeel

This clever feature enables the unit to take temperature readings from where we sense the indoor temperature rather than where the indoor unit senses the temperature. By pressing the "I Feel" button the room temperature is now recorded from a sensor in the remote control rather than from the unit itself. This gives intelligent temperature control where it is needed and provides a more precise and comfortable environment.



## Better Air Quality

The Hansol Hi-Wall Inverter Air Conditioner includes a range of filters that clean the indoor air and remove oxygen free radicals thus improving the air quality.

There are 5 filter options available:

- Active Carbon is an excellent absorber removing harmful gases from the air.
- Silver Ion is an almost perfect sterilising technology. Attacks bacteria and micro-organisms.
- Catechin is an additive with excellent anti-oxidisation and powerful sterilisation properties.
- Vitamin C Emission Filters release antioxidant vitamin C into the air, the active carbon or oxygen radicals in the air are suppressed which results in effective deodorization.
- Green Sterilising Filters support the filter and provide a mould-proof and sterilising function.

## Advanced Air Design

- Waterfall heating
- Extra Inner louver works when heat
- Automatic horizontal air flow
- 10m overlong airflow (9k & 12k)



Extra inner louver works when cooling

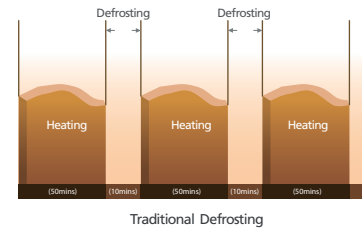
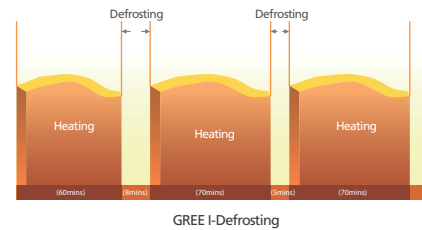


Extra inner louver is concealed when cooling

# Features

## Intelligent Defrosting

- Maximise warm comfort with shorter defrosting time.
- Traditional defrosting works by running the defrost cycle based on a pre-set timer sequence.
- Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating unnecessary defrosting.

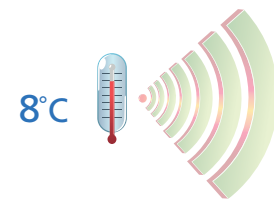


## Cold Air Prevention

To prevent cold air blowing into a room when the unit is first turned on or after defrosting the indoor fan will remain off until the indoor coil reaches the desired room temperature setting.

## Functions for Low Ambient Temperatures

8°C Heating – To prevent the room temperature falling below zero during winter the unit can be set to maintain the room temperature steadily at 8°C when nobody is home.



## Mould and Odour Prevention

When used as an air conditioner and once turned off the indoor coil is wet and provides a great environment for mould and bacteria to grow. With GREE, once the heat pump is switched off the air direction panel closes and the indoor fan continues to run until the indoor coil is dry. This helps to keep the coil clean and prevents the growth of mould and bacteria as well as reducing bad odours in the air conditioner.

## Wide Temperature Operation

GREE air conditioners and heat pumps are designed to operate efficiently from -15 to +45 deg C

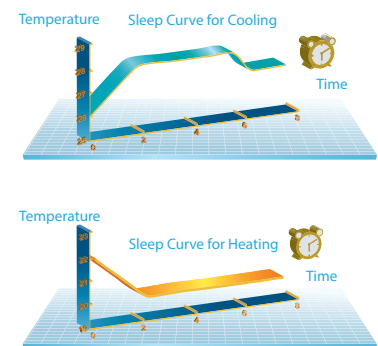


## De-humidifying

Gree air conditioners have an independent dehumidification system in-built. Upon selecting this mode the unit runs in cooling mode with the indoor fan speed on low. The unit cycles the compressor to allow the indoor coil to be coated in ice before defrosting the coil and removing the moisture from the room. This reduces the level of humidity in the room without over cooling the room.

## Sleep Mode

The temperature overnight does not stay the same. The Gree Humanised Sleep Mode gently raises or lowers the temperature automatically to maintain a comfortable room temperature and save energy.



## Turbo Mode

This will run the unit at super high fan speed to cool or heat the room quickly so that the ambient temperature approaches the pre-set temperature as soon as possible. This provides better comfort levels and energy usage.

## Anti-Corrosion Outdoor Unit

All Gree condensing coils have the fin stock coated with a blue hydrophilic coating giving greater corrosion resistance. All Gree condensing units are made from galvanised sheet steel that is then painted for added protection. Stainless steel screws are used throughout.

## Demand Response Enabling Device – DRED (AS/NZS4755)

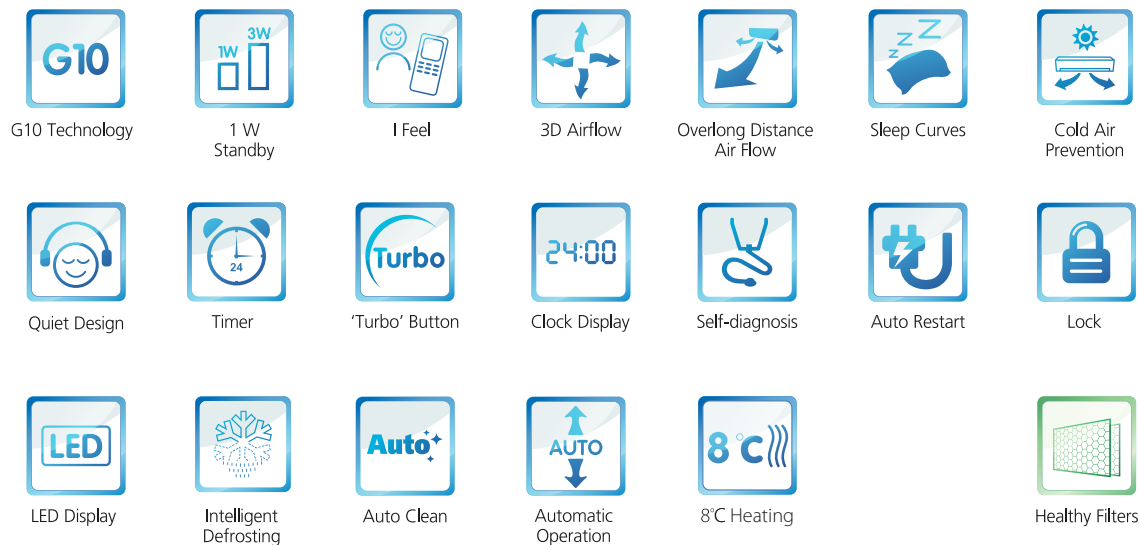
The Gree Hansol range of hi-wall air conditioners have been fitted with a Demand Response Enabling interface. When connected to a Demand Response Enabling Device, this enables the Power Supplier to control the output of your air conditioner during peak power demand periods.



Once installed the DRED device will allow you to participate in incentive schemes run by various energy providers like Energex in Queensland with their Positive Payback Program.

There are currently no programs or requirement in New Zealand for the Demand Response device.

# Specifications



Cooling capacities are based on AS/NZ 3823.1.1.

Features: ● Standard ● Optional

Running current is rated at ASNZ 3823 standards and does not include compressor start-up or power supply variations. Failure to comply with relevant Government regulations may void the warranty. Due to continuous product improvements, specifications are subject to change without prior notice.

## GREE ELECTRIC APPLIANCES INC. OF ZHUHAI

Based in the thriving industrial city of Zhuhai in China, GREE Electric Appliances is the world's largest specialised air conditioning enterprise. With nine manufacturing plants producing over 7,000 different models, sold to over 100 countries.

GREE employs over 5,000 R & D staff. This has allowed them to develop a wide range of quality products featuring energy saving technology, intelligent temperature control, smart defrosting and a wide range of filter options.

GREE's use of quality materials and state of the art manufacturing facilities has resulted in GREE maintaining its No 1 residential air conditioning global sales position since 2005. With more than 200 million users of residential air-conditioners globally, it's a quality you can trust.



Gree Hansol Hi-wall Inverter Split Systems			GWH09TA-K3DNA1B	GWH12TB-K3DNA1B	GWH18TC-K3DNA1B	GWH24TD-K3DNA1B	GWH28TD-K3DNA1B
Realcold Part #	Australia		AC4301D	AC4302D	AC4303D	AC4304D	AC4305D
	New Zealand		AC7301D	AC7302D	AC7303D	AC7304D	AC7305D
<b>Performance</b>							
Capacity	Cooling	kW	2.6	3.5	5.3	7.0	8.0
	Heating		3.0	4.0	5.8	7.4	8.4
Range (min~max)	Cooling	kW	(0.7~3.1)	(1.0~4.0)	(0.7~6.5)	(1.3~8.7)	(1.0~8.8)
	Heating		(0.6~3.5)	(1.4~4.2)	(0.95~7.3)	(1.2~10)	(1.3~11)
Input	Cooling	kW	0.67	0.90	1.52	2.15	2.39
	Heating		0.77	1.03	1.66	2.27	2.51
Range (min~max)	Cooling	kW	(0.17~1.02)	(0.2~1.05)	(0.32~2.45)	(0.45~3.05)	(0.3~2.9)
	Heating		(0.16~1.1)	(0.33~1.15)	(0.32~2.5)	(0.45~3.3)	(0.32~4.2)
Energy Label 2011	Cooling	Stars	3	3	2	2	2
	Heating		3	3	2	2	2
AEER Cool T1	100%	W/W	3.92	3.77	3.27	3.25	3.36
ACOP Heat T1	100%	W/W	0.8	1.4	1.8	2.5	2.7
Moisture Removal		l/h	0.8	1.4	1.8	2.5	2.7
Airflow H/S		l/s	161	161	236	263	333
SPL (JIS C9612)	Indoor	db	40/37/34/32/29/27/25	42/39/36/34/32/30/28	46/45/41/39/36/33/30	52/50/47/45/43/40/36	51/49/45/43/41/39/36
SPL (JIS C9612)	Outdoor	db	50	52	56	58	58
<b>Electrical</b>							
Power Supply			230V/50Hz/1ph				
Circuit Breaker		Amp	10		15	20	
Current	Cool/Heat T1	Amp	3.1/3.5	4.0/4.4	7.3/8.1	13.5/14.6	12.9/18.6
<b>Dimensions and Weights</b>							
Dimensions (HxWxD)	Indoor	mm	292x806x209	292x866x209	319x1018x230	326x1178x264	326x1178x264
	Outdoor		540x776x320	592x842x320	700x955x396	700x955x396	790x980x427
Nett Weight	Indoor	kg	10.5	11	16	18	18
	Outdoor		28.5	36	50	55	69
<b>Installation</b>							
Refrigerant Piping	Liquid Line	mm(in)	6.35 (1/4")				
	Gas Line		9.52 (3/8")	12.7 (1/2")*	15.88 (5/8")	15.88 (5/8")	
	Connection		Flare				
Refrigerant R410A	Pre-charged amount	kg	1.28	1.6	1.8	2.4	1.8
		m	7.5	7.5	7.5	7.5	7.5
Additional gas charge		g/m	20	50	50	50	30
Power Supply			Outdoor (DREDS Enabled)				
Control wiring (included)			3 Core plus Earth (4 cores) 1mm length 5m				
Maximum Piping Length	H/L	m	10/20	10/25	10/25	10/30	10/30
Operating Temperature Range	Cooling	°C	18~48	18~43	10~48	18~40	18~43
	Heating		-15~24	-15~24	-15~24	-15~24	-7~24

\*Can be connected with a 3/8" gas line, 3/8" to 1/2" reducing flare nuts provided



For Installation and Sales:



For Parts and Warranty:



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