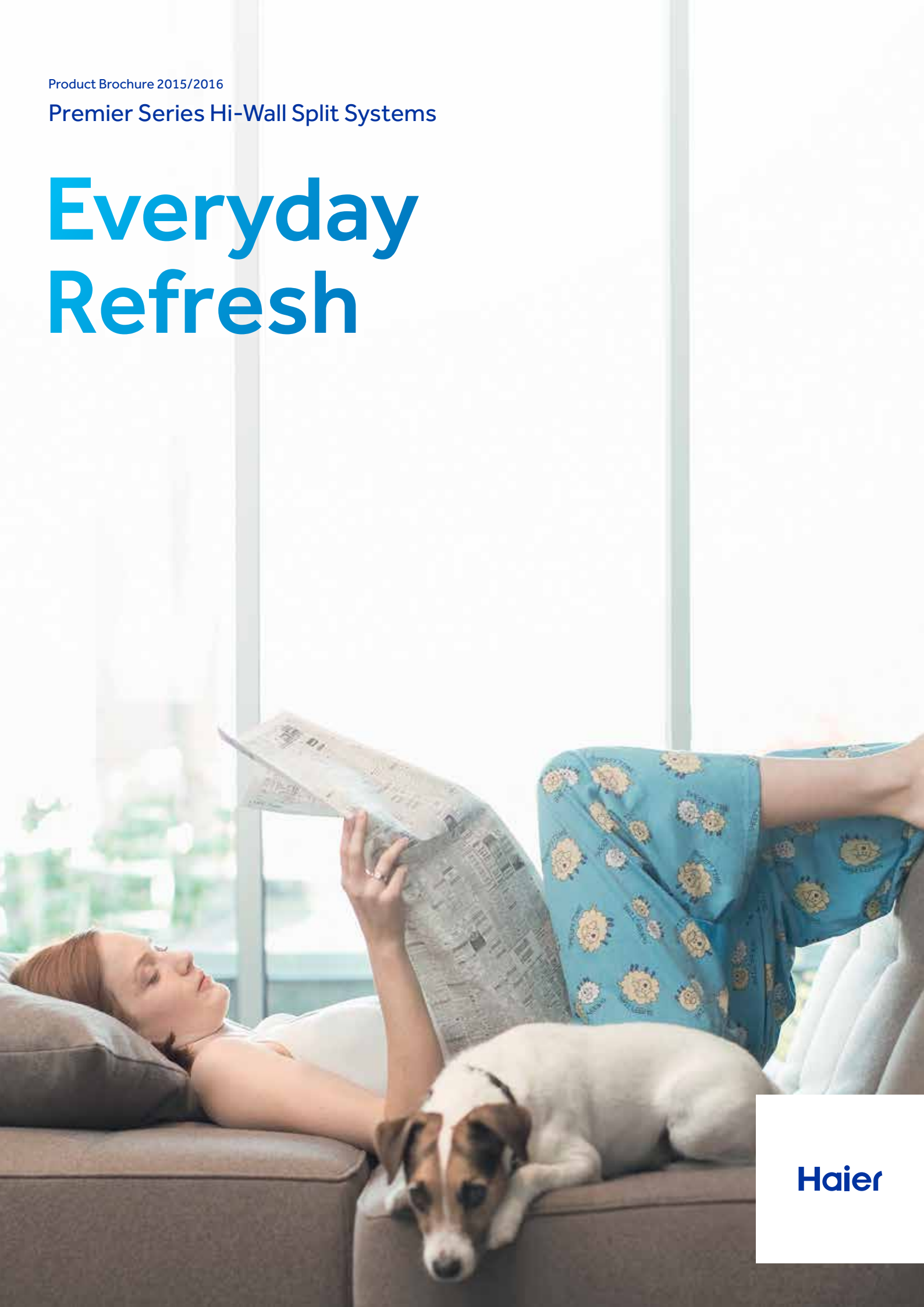
Product Brochure 2015/2016

Premier Series Hi-Wall Split Systems

Everyday Refresh



Haier


Everyday
Innovation

We design with you in mind. You'll find that Haier Air Conditioning units are quiet, efficient and reliable, styled to fit comfortably in both contemporary and traditional buildings and homes.

Since 1985 Haier has been using customer insights to design smart, everyday home appliances for people all over the world. Haier has 15 global manufacturing centres producing ten million air conditioning units each year. The Haier Air Conditioning division's focus on exciting innovations, energy efficiency and commitment to quality was rewarded when the company succeeded in its bid to provide air conditioning equipment to the 2008 Beijing Olympics. Today, a specialist 20,000m^2 research and development centre is home to world-leading engineers and industrial designers who work to ensure Haier Air Conditioners have the features, performance and ease of installation that our customers demand.

All Haier Hi-Wall Split System Air Conditioners sold in Australasia are backed by a 5 year manufacturer's warranty* and 24/7 Customer Care.

Haier Premier Hi-Wall Split System Air Conditioners are designed for that extra level of convenience and comfort to suit any room.

Premier Hi-Wall Split System Air Conditioners have an air purifying system designed to maximise clean healthy air.
They are Demand Response capable ready to work with your energy provider to automatically cap your energy consumption on extreme peak demand days.
To find out more please visit www.energyrating.gov.au.
A-PAM control technology allows these air conditioners to work stably at low frequency and with greater power at high frequency while allowing energy–saving and super quiet operation. Enjoy the perfect temperature in your largest room with the 7.1Kw model, which has a specially designed cross flow fan and optimized air duct, allowing cool or warm air to reach as far as 15 metres.

Features

Comfort

The innovative design of Haier Hi-Wall Split System Air Conditioners allows super quiet operation and increased airflow for maximum comfort.

Super Quiet

Innovative design enables super quiet operation as low as 22dB(A) while using the optimised airflow system with cross flow fan design.

Sleep Mode

Haier Hi-Wall Split System Air Conditioners have a special program designed to ensure the utmost comfort and energy saving during your good night's sleep.

Intelligent Air

The twin outlet blades design means you can select the direction in which the air flows out of the air conditioner.

Long Distance Air Supplying

Enjoy the perfect temperature in your largest room with the 7.1Kw model, which has a specially designed cross flow fan and optimized air duct, allowing cool or warm air to reach as far as 15 metres.

Health

Haier's Hi-Wall Split System Air Conditioners feature optional multi-layer filters designed to remove impurities from the air.

Evaporator Self-cleaning

The auto cleaning function reduces the need to clean as often, keeping the heat exchanger clean from mould, bacteria and dust, leaving the unit odour free.

Exquisite Filter (Optional)

The ultra-fine filter optimises the filtering effect, helping to reduce dust and allergens from the air.

Multi-layers Filter

An optional multi-layered filter system helps reduce bacteria and mould as well as odours and some air borne chemicals.

- Photocatalyst filter (optional) eliminates a variety of odours such as chemicals and cigarette smoke. Exposing the filter to sunlight will regenerate the deodorising effect.
- Activated Carbon can help to remove the benzene, radon, TVOC and other particles from the air which can be harmful to the human body.
- Vitamin C layer (optional) releases vitamin C to the air.
- For more information call our Customer Care Team on 1300 729 948.

Product features listed are for information purposes only and may not be available for all models.
The features available for specific models are set out elsewhere in this brochure.

Performance

The desired temperature is reached quickly and efficiently and then stabilised for ultimate comfort with Haier's A-PAM DC inverter technology.

A-PAM DC Inverter Control

A-PAM control technology allows Haier DC Inverter Air Conditioning to work stably at low frequency and with greater power at high frequency while allowing energy–saving and quiet operation, compared with non inverter models.

Comparison with Non-inverter Technology

Quick Comfort
Inverter air conditioners supply the exact power needed to reach the set temperature in around half the time required by conventional models, cooling or heating the room rapidly.

Stable Temperature Operation
Inverter units can quickly and efficiently adjust and maintain the operating temperatures within the 'Comfort Zone' eliminating temperature fluctuations associated with traditional on/off units.

Low Watts

High efficiency low watt compressors and optimised condensing system mean the power input of low watt models is reduced to 40% less than that of standard models. The rated power input is even lower than that of an electric oven.

Low Voltage

The Haier low voltage series has an optimised compressor with maximised torque that will keep running even with voltage as low as 175V.

Turbo

The Turbo function saves time in reaching the set temperature with the high frequency programme setting.

High quality components

Haier Air Conditioners use high quality and durable components that allow efficient energy usage, generate lower noise and ensure reliable operation.

High Efficiency Compressor

Power input is maximised and electrical loss is reduced with Haier's high efficiency compressor.

Inner Grooved Copper Pipe

The copper pipe used in Haier Air Conditioners is grooved with inner slots to enlarge the contact area between the refrigerant gas and copper pipe. The heat exchange efficiency is increased by 30-50%.

Blue Fin Evaporator

The Haier new generation blue aluminium fin has an anti-corrosion coating making the unit more durable, while the super hydrophilic performance enhances the heat exchanging efficiency by 40%, saving energy, compared to non Blue Fin Evaporator models.

Testing Labs

Haier has more than 70 laboratories that constantly test parts and usage of their air conditioners. This includes user evaluation; all weather simulations, safety testing in a psychometric lab, performance testing, parts testing, reliability testing and transportation testing.

Quality certificates have been gained globally.

Specifications

Models

HSU-26HNH03 /R2(DB)
HSU-35HNH03 /R2(DB)
HSU-53HNH03 /R2(DB)
HSU-71HNH03 /R2(DB)

Warranty*

5yr

Key Features

Comfort
- Quiet Mode
- Super Quiet (22db-A)
- Comfortable Sleep
- Long Distance Air Supply up to 15m
- Intelligent Air
- Auto Mode (temp setting)
- Vertical Auto Swing
- Dual Flap Air Flow
- Indoor 5 Step Fan Speed
- Outdoor 6 Step Fan Speed
- Humidity Control
- Warm Start
- Smart Defrost

Health
- Evaporator Self Clean
- Exquisite Filter (optional)
- Photocatalyst Filter (optional)
- Active Carbon Filter

Performance
- A-PAM DC Inverter Technology
- Turbo Mode
- Auto Restart
- 3 Minute Protection
- Long Life PCB
- Child Lock
- 24 Hr. Timer
- Full Function Remote Control
- Easy Clean Design

High quality components
- Blue Fin
- 2 Way Piping
- Integrative Structure Design
- Integrated Valve Cover
- DC Motor
- Single Step Motor Control
- Wide Voltage Inverter
- Demand Response Capable

Premier Series Specifications

		HSU-26HNH03 /R2(DB)	HSU-35HNH03 /R2(DB)	HSU-53HNH03 /R2(DB)	HSU-71HNH03 /R2(DB)
Capacity (Kw) (Range)	**Cooling**	2.7 (1.1 ~ 3.5)	3.5 (1.2 ~ 4.3)	5.0 (1.5 ~ 6.1)	7.3 (1.9 ~ 8.4)
	Heating	3.5 (1.3 ~ 4.4)	4.0 (1.3 ~ 5.0)	5.5 (1.6 ~ 7.0)	8.0 (2.5 ~ 9.0)
Power Input (Kw) (Range)	**Cooling**	0.62 (0.28 ~ 1.15)	0.96 (0.29 ~ 1.2)	1.42 (0.35 ~ 2.05)	2.08 (0.53 ~ 2.8)
	Heating	0.8 (0.29 ~ 1.2)	1.05 (0.3 ~ 1.3)	1.37 (0.4 ~ 2.9)	2.12 (0.64 ~ 3.3)
AEER		4.46	3.73	3.59	3.52
ACOP		4.50	3.95	4.16	3.82
Star Rating (MEPS)	**Cooling**	4.0	2.5	2.5	2.5
	Heating	4.0	3.0	3.5	3.0
Maximum Current (A)	**Cooling**	5.7	6.2	10	14.5
	Heating	5.8	6.4	13.5	16
Power Supply (V, Ph, Hz)		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Air Circulation H/M/L (L/s)	**Cooling**	190 / 160 / 130	190 / 160 / 130	235 / 205 / 180	305 / 265 / 210
	Heating	195 / 165 / 135	195 / 165 / 135	250 / 215 / 190	310 / 270 / 220
Moisture Removal (L/Hr)		1.5	1.5	2	2.8
Refrigerant Type		R410A	R410A	R410A	R410A
Pipe Size	**Liquid Line**	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")
	Suction Line	9.52mm (3/8")	9.52mm (3/8")	12.7mm (1/2")	12.7mm (1/2")
Minimum Pipe Length (m)		1.5	1.5	1.5	1.5
Maximum Pipe Length (m)		15	15	25	25
Precharged Length (m)		7	7	7	7
Additional Refrigerant (Gm/m)		20	20	20	20
Maximum Height Difference (m)		10	10	15	15
INDOOR UNIT					
Model		AS26NC1HRA(NH)	AS35NC1HRA(NH)	AS53HE1HRA(NH)	AS71NE1HRE(NH)
Net Dimension (W/D/H)		900 x 210 x 310	900 x 210 x 310	1115 x 243 x 336	1115 x 243 x 336
Package Dimension (W/D/H)		991 x 313 x 399	991 x 313 x 399	1206 x 342 x 418	1206 x 342 x 418
Net Weight (kg)		11.5	11.5	16	17
Gross Weight (kg)		14	14	19.6	20.6
Sound Pressure Level H/M/L/S (dBA)		38/33/29/22	38/33/29/22	47/43/37/34	47/43/37/34
OUTDOOR UNIT					
Model		1U26QE3ERA	1U35QE3ERA	1U53RU3ERE	1U71SU3ERE
Net Dimension (W/D/H)		780 x 290 x 597	780 x 290 x 597	890 x 353 x 697	920 x 385 x 762
Package Dimension (W/D/H)		923 x 393 x 680	923 x 393 x 680	1046 x 460 x 780	1085 x 487 x 843
Net Weight (kg)		35.5	35.5	43.8	57
Gross Weight (kg)		38.5	38.5	47.8	61
Sound Pressure Level (dBA)		50	51	52	53
Sound Power Level (dBA)		61	62	66	68
OPERATING TEMPERATURE RANGE					
Indoor (Min ~ Max)	**Cooling**	21°C ~ 32°C	21°C ~ 32°C	21°C ~ 32°C	21°C ~ 32°C
Outdoor (Min ~ Max)	**Cooling**	-10°C ~ 46°C	-10°C ~ 46°C	-10°C ~ 46°C	-10°C ~ 46°C
Indoor (Min ~ Max)	**Heating**	15°C ~ 27°C	15°C ~ 27°C	15°C ~ 27°C	15°C ~ 27°C
Outdoor (Min ~ Max)	**Heating**	-15°C ~ 24°C	-15°C ~ 24°C	-15°C ~ 24°C	-15°C ~ 24°C

DC Inverter Technology

What is an inverter?

An "inverter" is a power conversion circuit that electronically regulates the voltage, current and frequency of products such as air conditioners. This circuit controls the compressor and, therefore, the air conditioner's output. Raising the frequency increases the output, while lowering the frequency reduces it. In this way, inverter air conditioners provide much finer temperature control than conventional models can.

The benefits

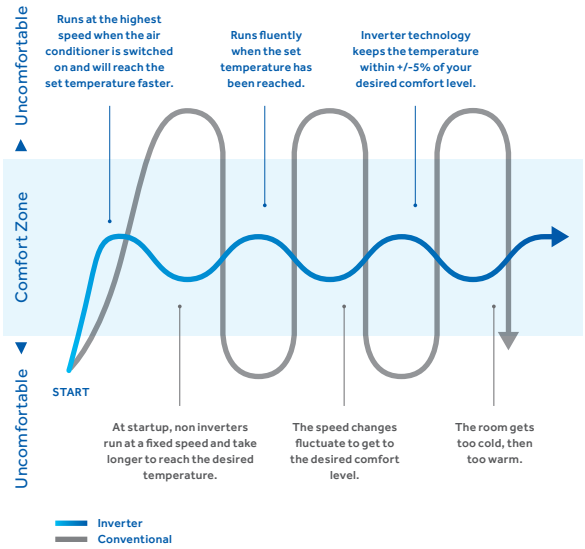
Haier inverters provide a range of benefits over conventional start/stop systems. These include:

Significantly lower running costs compared with conventional systems

Quickly and efficiently adjusts the room temperature to your set comfort zone

Elimination of temperature fluctuations associated with traditional start/stop systems

Greatly reduced system noise both inside and outside the home



Inverter vs conventional comparison

Apart from its significantly reduced running costs, inverter technology has two distinct comfort advantages over conventional air conditioners:

1. Whether cooling or heating, it will reach the selected "Comfort Zone" more quickly as shown in the graph.

2. It can then maintain operating temperatures within the "Comfort Zone" at all times, which conventional air conditioners are unable to do – as seen in the graph.

High efficiency compressor

Haier twin rotary compressors feature powerful neodymium magnets which are 10 times more powerful than conventional magnets. The result is:

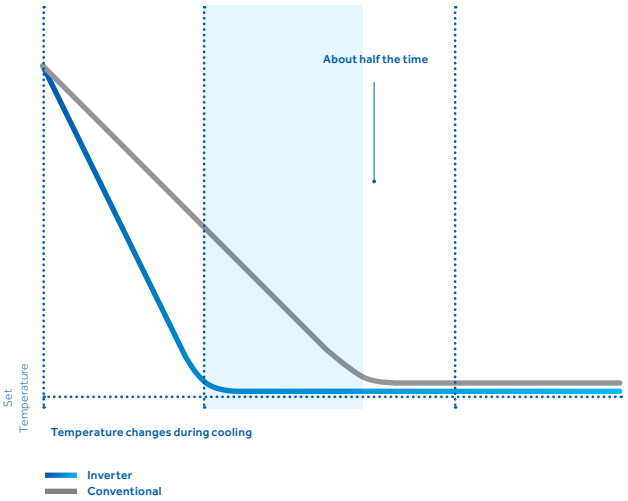
Higher energy efficiencies than conventional compressors

Wider operating ranges

Less vibration, resulting in quieter operation

Greater energy savings

Inverter systems deliver substantial energy savings compared with conventional start/stop systems, under normal operating conditions.



Greater comfort

When an inverter air conditioner is switched on, it supplies the exact power needed to heat or cool the room rapidly. This enables the air conditioner to reach the set temperature in around half the time required by conventional models.

Air conditioning noise levels inside and outside the home are dramatically reduced by Haier inverter systems because they always seek the lowest operating level, while providing the maximum heating or cooling effect.

Everyday Customer Care

24/7 Customer Care with all Haier Products 1 300 729 948

haier.com.au

***Manufacturer's warranty information:** You receive a 5 year Manufacturer's Warranty with all Haier Hi Wall Split System Air Conditioners. Fisher & Paykel Australia Pty Ltd will repair (or at its option replace) any part which is found to be defective within five years from date of purchase, without cost to you for either parts or labour. Retention of your original proof of purchase is recommended. To make a claim under any Manufacturer's Warranty, call Customer Care on 1300 729 948 or email customer.care@haier.com.au. Service under any Manufacturer's Warranty must be provided by an authorised Fisher & Paykel Appliances Service provider. Use other than in accordance with the product's user guide and other than for normal domestic use may invalidate any Manufacturer's Warranty. This Manufacturer's Warranty is an extra benefit and does not affect your legal rights. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. To view full terms and conditions, visit www.haier.com.au/warranty. The warrantor is: Fisher & Paykel Australia Pty Ltd, Suite 1, Level 2, 5 Eden Park Drive, Macquarie Park, NSW 2113. Phone Customer Care: 1300 729 948 Email: customer.care@haier.com.au