Air Conditioning Product Brochure 2015/2016

Classic Series Hi-Wall Split Systems

Everyday Cool

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 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 Classic Series Hi-Wall Split System Air Conditioners are designed for everyday convenience and comfort to suit any room.

Classic Series Hi-Wall Split System Air Conditioners provide sensitive temperature control, are quiet and operate efficiently with reduced temperature fluctuations and low running costs. They are Demand Response 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. Designed with 4 sizes to suit a range of different room sizes, the Classic series has 180-degree sine wave DC inverter control technology with a wide operating frequency. The Intelligent Air feature allows the airflow to automatically go upward when cooling or downward when heating, to spread air comfortably throughout the room.

Features

Comfort

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

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.

Health

Haier's Hi-Wall Split System Air Conditioners have 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.

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 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.

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-26HEK03 /R2(DB)
HSU-35HEK03 /R2(DB)
HSU-53HEK03 /R2(DB)
HSU-71HEK03 /R2(DB)

Warranty*

5yr

Key Features

Comfort
- Comfortable Sleep
- Intelligent Air
- Auto Mode (temp setting)
- Vertical Auto Swing
- Humidity Control
- Warm Start
- Smart Defrost

Health
- Evaporator Self Clean
- Anti Mould Filter
- Photocatalyst Filter
- 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
- Single Step Motor Control
- Wide Voltage Inverter
- Demand Response Capable

Classic Series Specifications

		HSU-26HEK03 /R2(DB)	HSU-35HEK03 /R2(DB)	HSU-53HEK03 /R2(DB)	HSU-71HEK03 /R2(DB)
Capacity (Kw) (Range)	**Cooling**	2.6 (1.3 ~ 3.4)	3.5 (1.4 ~ 3.9)	5.0 (1.5 ~ 5.7)	7.0 (2.0 ~ 7.4)
	Heating	2.8 (1.4 ~ 3.8)	4.0 (1.5 ~ 4.6)	5.8 (1.6 ~ 6.4)	7.5 (2.5 ~ 8.2)
Power Input (Kw) (Range)	**Cooling**	0.67 (0.32 ~ 1.08)	0.96 (0.35 ~ 1.35)	1.50 (0.39 ~ 2.0)	2.20 (0.54 ~ 2.7)
	Heating	0.73 (0.33 ~ 1.18)	1.03 (0.37 ~ 1.35)	1.50 (0.4 ~ 2.08)	2.40 (0.64 ~ 2.8)
AEER		3.71	4.25*	3.26	4.03*
ACOP		3.68	3.77	3.79	4.53*
Star Rating (MEPS)	**Cooling**	2.5	2.5	2.0	1.5
	Heating	2.5	3.0	3.0	1.5
Rated Current (A)	**Cooling**	3.8	4.1	6.5	9.7
	Heating	4.4	4.3	6.2	10.2
Maximum Current (A)	**Cooling**	6.1	6.0	8.8	13.3
	Heating	6.1	6.0	10.5	13.8
Power Supply (V, Ph, Hz)		220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Refrigerant Type		R410A	R410A	R410A	R410A
Refrigerant Base Charge	**kg**	1.00	1.08	1.55	2.10
Pipe Size	**Liquid Line**	6.35mm (1/4")	6.35mm (1/4")	6.35mm (1/4")	9.52mm (3/8")
	Suction Line	9.52mm (3/8")	9.52mm (3/8")	12.7mm (1/2")	15.88mm (5/8")
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	10	10
Additional Refrigerant (Gm/m)		20	20	20	50
Maximum Height Difference (m)		10	10	15	15
Compressor Type		DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary	DC Inverter Rotary
INDOOR UNIT					
Model		HSU-26HEK03/R2(DB)-I	HSU-35HEK03/R2(DB)-I	HSU-53HEK03/R2(DB)-I	HSU-71HEK03/R2(DB)-I
Net Dimension (W/D/H)		795 x 187 x 265	938 x 187 x 265	1046 x 234 x 299	1147 x 261 x 320
Package Dimension (W/D/H)		871 x 304 x 360	1016 x 304 x 360	1126 x 344 x 391	1240 x 368 x 391
Net Weight (kg)		8.8	10.5	13	16.5
Gross Weight (kg)		11.3	12.5	16.5	19.5
Air Circulation H/M/L (L/s)	**Cooling**	138 / 110 / 83	178 / 138 / 100	250 / 200 / 153	305 / 250 / 195
	Heating	145 / 120 / 93	185 / 143 / 106	263 / 213 / 166	308 / 260 / 211
Moisture Removal (L/Hr)		1.20	1.60	2.40	3.00
Sound Pressure Level H/M/L/S (dBA)		39/36/30	42/39/34	47/43/39	47/44/41
OUTDOOR UNIT					
Model		HSU-26HEK03/R2(DB)-O	HSU-35HEK03/R2(DB)-O	HSU-53HEK03/R2(DB)-O	HSU-71HEK03/R2(DB)-O
Net Dimension (W/D/H)		780 x 245 x 540	780 x 245 x 640	810 x 288 x 688	860 x 308 x 730
Package Dimension (W/D/H)		920 x 351 x 620	920 x 351 x 720	949 x 406 x 760	995 x 420 x 813
Net Weight (kg)		32.2	35.5	43	50.5
Gross Weight (kg)		35	38.5	45.5	54
Sound Pressure Level (dBA)		53	53	54	59
Sound Power Level (dBA)		66	68	70	73
OPERATING TEMPERATURE RANGE					
Indoor (Min ~ Max)	**Cooling**	21 ~ 32°C	21 ~ 32°C	21 ~ 32°C	21 ~ 32°C
Outdoor (Min ~ Max)	**Cooling**	18 ~ 46°C	18 ~ 46°C	18 ~ 46°C	18 ~ 46°C
Indoor (Min ~ Max)	**Heating**	15 ~ 27°C	15 ~ 27°C	15 ~ 27°C	15 ~ 27°C
Outdoor (Min ~ Max)	**Heating**	-15 ~ 24°C	-15 ~ 24°C	-15 ~ 24°C	-15 ~ 24°C

* Part Load value

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

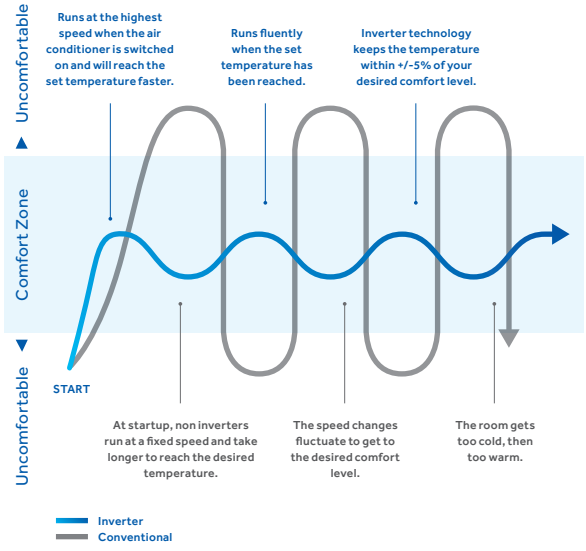
Haier inverters provide a range of benefits over conventional start/stop systems. These include:

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 – also 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:

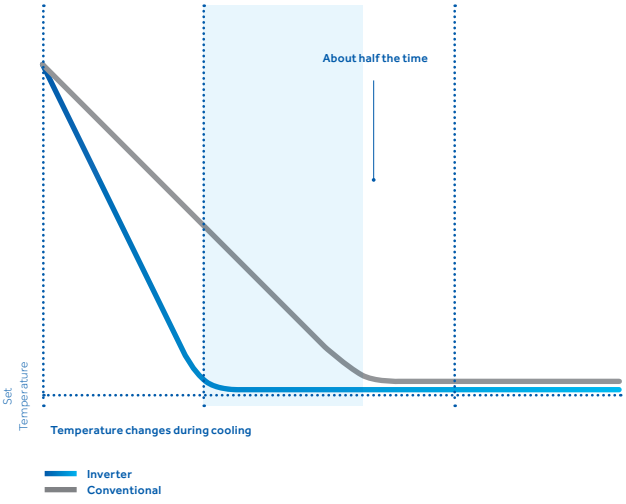
Higher energy efficiencies than conventional compressors

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

Haier

***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