

Product Brochure 2017

N Series

Hi Wall Split System

Haier

Who is Haier? World's largest home appliance manufacturer.



Number 1 brand of major appliances in the world



Founded in 1984 – 2014 marks our 30th year



Over 80,000 employees across 30 countries



GE APPLIANCES

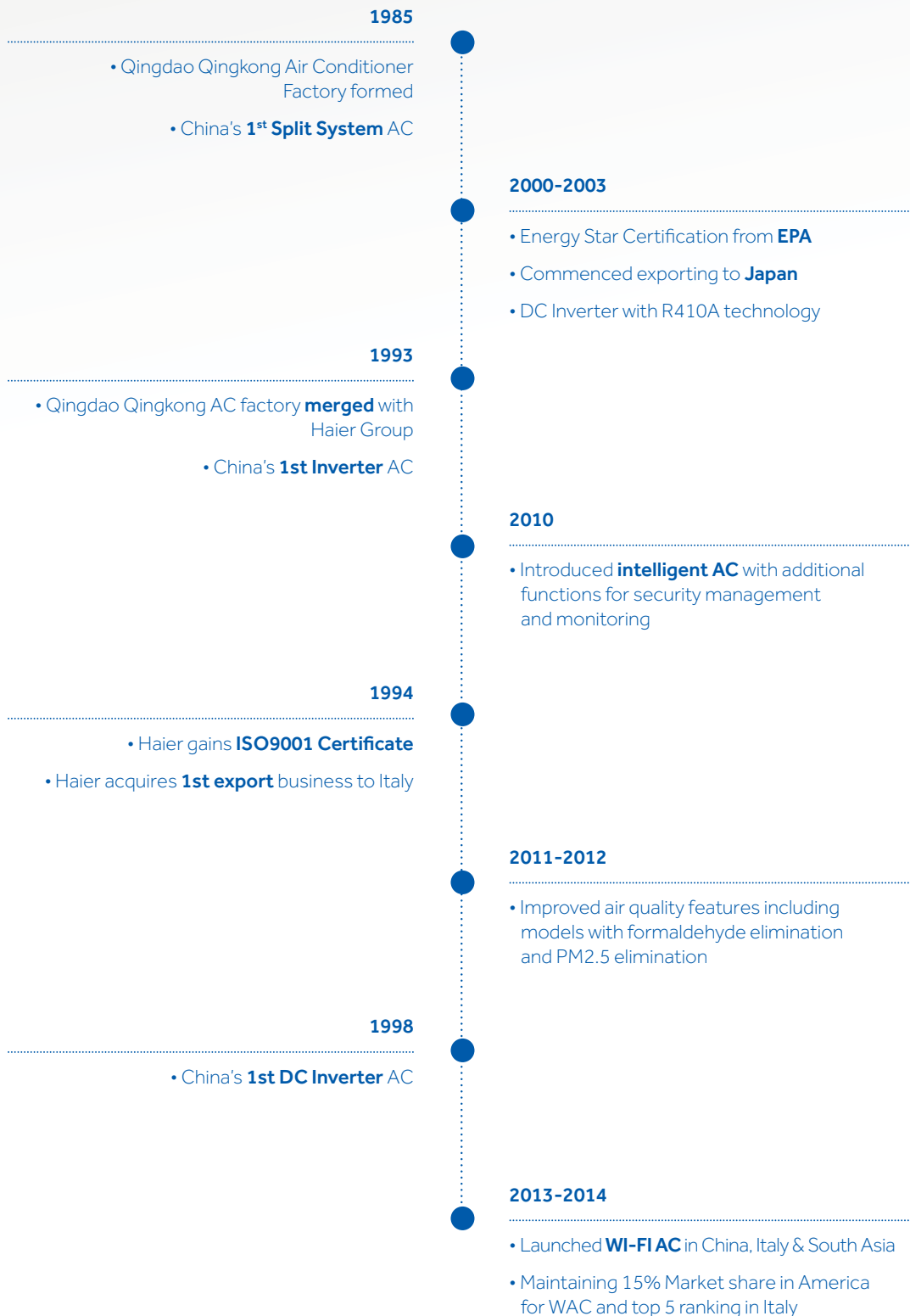
Recently Purchased GE Appliances



Distributed by Fisher & Paykel, a wholly owned Haier subsidiary



The evolution of **Haier Air Conditioning**



Comfort

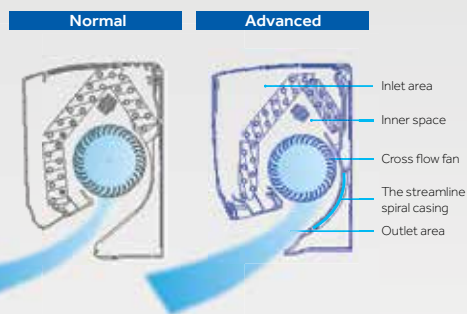
The innovative design of Haier Hi-Wall Split System allows super quiet operation and increased airflow for maximum comfort.



Quiet design

Advanced air duct design

- Air outlet area and inlet area is enlarged by 17%, to increase the airflow and reduce the noise level.
- The streamline spiral casing in the outlet area to eliminate abnormal sound and enlarge airflow volume.



Enhanced cross flow fan design

- The cross flow fan is redesigned to be longer than the conventional one to increase the air volume.
- Re-design the inclined angle of cross flow fan blade, to reduce fan noise by less distortion in a air surrounding the fan.



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 20 metres.

35K = 12m 53K = 15m 71K = 20m

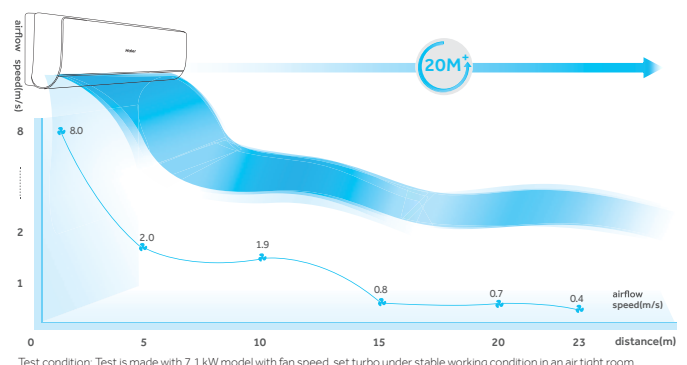
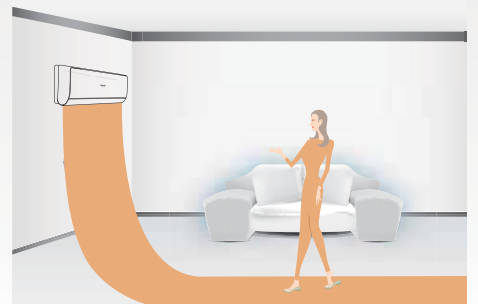


Intelligent Air

The airflow is directed upwards in cooling mode.



The airflow is directed downwards in heating mode.





*Elite model shown.

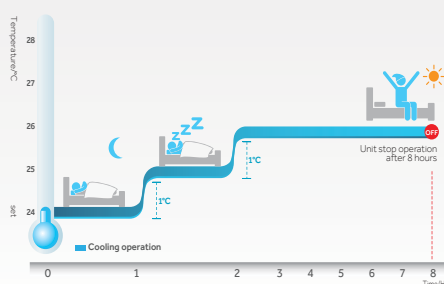


Sleep Mode

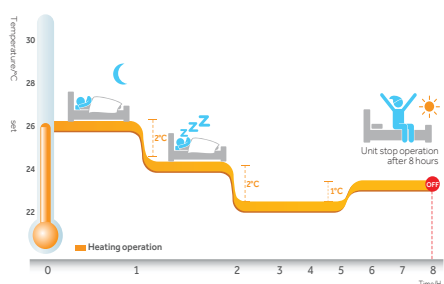
Haier Hi-Wall Split System have a special programme designed to overcome becoming too hot or cold at night to ensure the utmost comfort and energy saving during your good night's sleep.



In cooling operation, temperature is set to be 1°C up in the 2nd hour, then maintains 6 hours before the unit turns off.

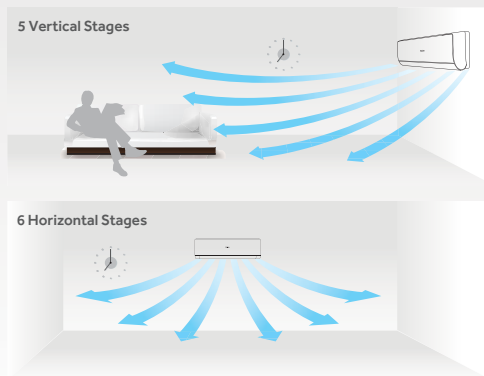
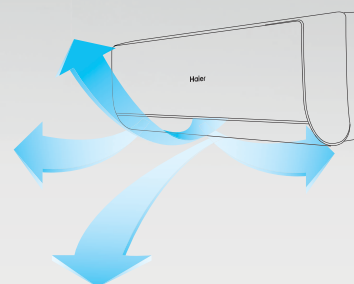


In heating operation, temperature is set to be 2°C down in the 1st hour and another 2°C down in the 2nd hour, after two hours, 1°C increased then maintains 6 hours before the unit turns off.



3D airflow

With five vertical stages and six horizontal stages.



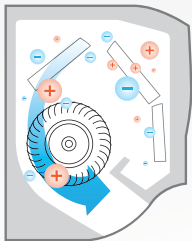
Product features listed are for information purposes only and may not be available for all models. The features available for specific models are set out elsewhere in this brochure.

Haier's Hi-Wall Split System features 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.

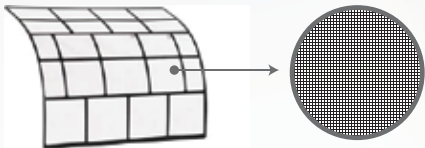


Interior of the unit dries out automatically after use.



Exquisite Filter

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



The width of the grid is measured as of 1.2mm, conventional design is 2mm. A 40% optimization in filtering effect.



Multi-layers Filter

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

- Activated Carbon can help to remove the benzene, radon, TVOC and other particles from the air which can be harmful to the human body.
- For more information call our Customer Care Team on 1300 729 948.




Bacteria-killing medium

- 3-in 1 Effect: Anti-Allergen, Anti-Virus, Anti-Bacteria & Mould.



Activated carbon

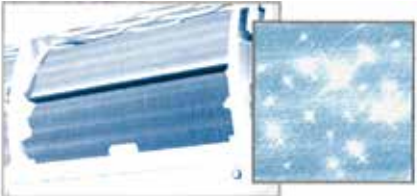
- Activated carbon can effectively remove the benzene, radon, TVOC and other articles which are harmful to the human body.



Conventional

The main cause of odour and pollution is mould. Once the coil gets wet, the organism will breed and create threats to health.

VS



Auto cleaning

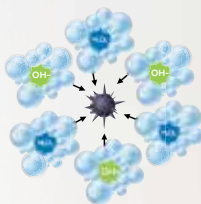
This function dries the wet heat exchanger to prevent the breeding of moulds and bacteria. It eliminates the odour from the unit and saves inconvenience from cleaning the filter.



Nano Aqua

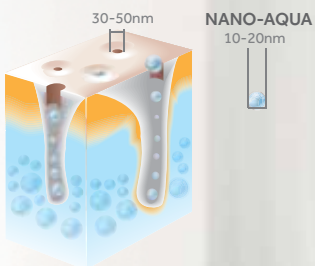
Air purification

Nano Aqua generator also ionizes the water molecule into H^+ and O_2 - which change to active substances OH or H_2O_2 after chemical reaction, killing the bacteria by changing the molecule structure.



Skin care

Nano Aqua generator will react with water to generate micro cluster water, which can be easily absorbed by the harny layer of the skin, keeping skin moist.



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 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

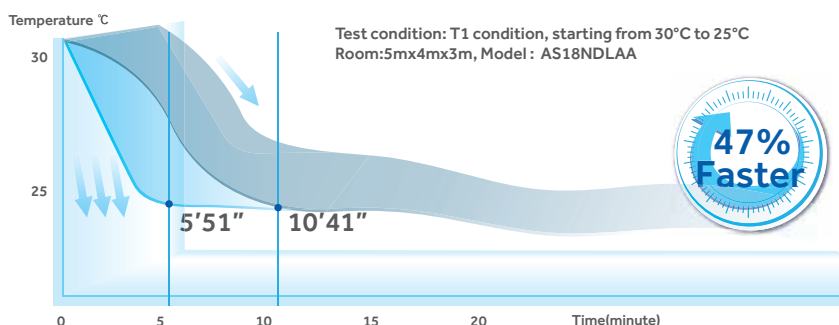
The Haier low voltage series has an optimised compressor with maximised torque that will keep running even with voltage as low as 175V.



Turbo

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

Compared to middle fan speed, Turbo mode could cool the room 1.5°C lower in 3 minutes, with cooling efficiency increased by 47%.



High quality components

Haier Hi Wall Split System use high quality and durable components that allow efficient energy usage, generate lower noise and ensure reliable operation.



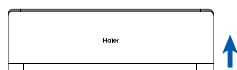
Wi-Fi Control

It is simple to make Haier N series Hi Wall Split System Wi-Fi compatible. Purchase the additional accessory KZW-W002 and fit to the USB connection at the indoor unit to control your Haier Hi Wall Split System wherever you are by smart phone or tablet.

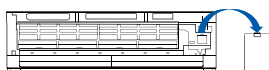


Easy Installation

1. Switch off power and open the panel



2. Remove Wi-Fi cover



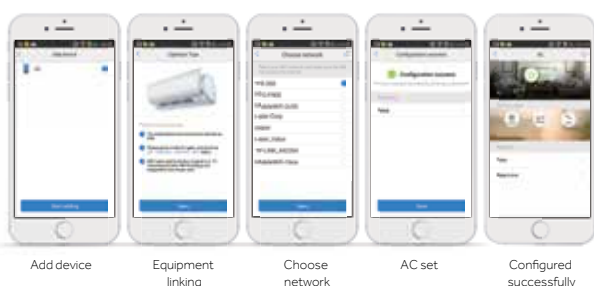
3. Connect the USB Wi-Fi module



4. Put the WIFI cover back and close the panel



Easy Configuration

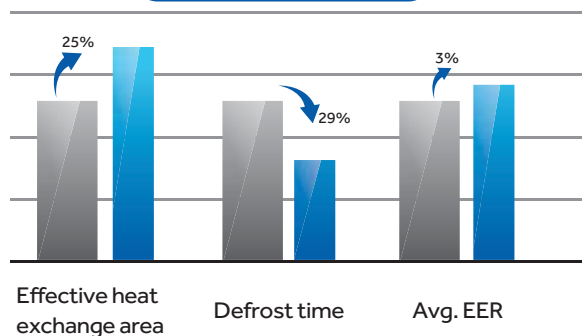


Blue Fin Heat Exchanger

The Haier new generation blue aluminum 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 heat exchanger models.

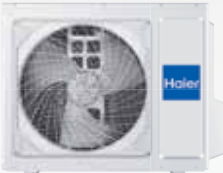


Blue fin advantage



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Specifications



Models

AS26NC2HRA(NH)/1U26QE4ERA
 AS35NC2HRA(NH)/1U35QE4ERA
 AS53HE1HRA(NH)/1U53RU3ERE
 AS71NE1HRE(NH)/1U71SU3ERE
 AS82NF1HRA(NH)/1U82SA2ERA

Warranty*

5yr

Key Features

Comfort



Quiet mode



Comfortable sleep



Long distance air supply



Intelligent air



3D airflow

Health



Evaporator self clean



Exquisite filter



Multi layer filter



Nano aqua

High Quality Components



Blue fin



2-way piping design



Integrative valve cover



DC motor



DRED



Wi-Fi control
Optional

Performance



A-PAM DC inverter



Auto restart



3 minutes protection



24 hours timer



Easy clean design



-15°C heating



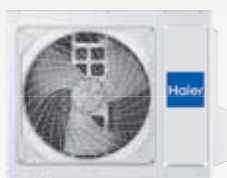
-10°C cooling

Premier Series Specifications

System Model Number		AS26NC2HRA(NH) / 1U26QE4ERA	AS35NC2HRA(NH) / 1U35QE4ERA	AS53HE1HRA(NH) / 1U53RU3ERE	AS71NE1HRE(NH) / 1U71SU3ERE	AS82NF1HRA(NH) / 1U82SA2ERA
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)	8.0 (2.4 ~ 8.6)
	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)	9.0 (2.7 ~ 9.6)
	H2 heating	2.5	3.1	4.0	5.5	8.4
Power Input (Kw) (Range)	Cooling	0.62 (0.28 ~ 1.15)	0.91 (0.29 ~ 1.2)	1.42 (0.35 ~ 2.05)	2.08 (0.53 ~ 2.8)	2.41 (0.56 ~ 2.9)
	Heating	0.75 (0.29 ~ 1.2)	0.96 (0.3 ~ 1.3)	1.37 (0.4 ~ 2.9)	2.12 (0.64 ~ 3.3)	2.45 (0.7 ~ 3.6)
AEER		4.3	3.8	3.6	3.5	3.3
ACOP		4.6	4.1	4.2	3.8	3.7
Star Rating (MEPS)	Cooling	4.0	3.0	2.5	2.5	2.0
	Heating	4.5	3.5	3.5	3.0	2.5
Maximum Current (A)	Cooling	5.7	6.2	10	14.5	14.7
	Heating	5.8	6.4	13.5	16	17.5
Power Supply (V, Ph, Hz)		220-240 / 1 / 50	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	360 / 330 / 300
	Heating	195 / 165 / 135	195 / 165 / 135	250 / 215 / 190	310 / 270 / 220	380 / 350 / 320
Moisture Removal (L/Hr)		1.2	1.6	2	2.8	3
Refrigerant Type		R410A	R410A	R410A	R410A	R410A
Pipe Size	Liquid Line	6.35mm (1/4")	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")	12.7mm (1/2")	15.8mm (5/8")
Minimum Pipe Length (m)		1.5	1.5	1.5	1.5	3
Maximum Pipe Length (m)		15	15	25	25	25
Precharged Length (m)		7	7	7	7	10
Additional Refrigerant (Gm/m)		20	20	20	20	50
Maximum Height Difference (m)		10	10	15	15	15
INDOOR UNIT						
Model		AS26NC2HRA(NH)	AS35NC2HRA(NH)	AS53HE1HRA(NH)	AS71NE1HRE(NH)	AS82NF1HRA(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	1316 x 270 x 365
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	1403 x 384 x 463
Net Weight (kg)		11.5	11.5	16	17	21
Gross Weight (kg)		14	14	19.6	20.6	25.5
Sound Pressure Level H/M/L/S (dBA)		48/44/40/36	48/44/40/36	48/44/40/36	48/44/40/36	48/44/40/36
OUTDOOR UNIT						
Model		1U26QE4ERA	1U35QE4ERA	1U53RU3ERE	1U71SU3ERE	1U82SA2ERA
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	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	1085 x 487 x 843
Net Weight (kg)		35.5	35.5	43.8	57	57
Gross Weight (kg)		38.5	38.5	47.8	61	61
Sound Pressure Level (dBA)	Cooling / Heating	49 / 51	50 / 52	51 / 53	52 / 54	55 / 57
Sound Power Level (dBA)	Cooling / Heating	60 / 63	61 / 64	66 / 68	68 / 70	67 / 72
OPERATING TEMPERATURE RANGE						
Indoor (Min - Max)	Cooling	21°C ~ 32°C	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	-10°C ~ +46°C
Indoor (Min - Max)	Heating	15°C ~ 27°C	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	-15°C ~ +24°C

Rating Conditions (AS / NZS 3823). Cooling – Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB. Heating – Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB (DB: Dry Bulb ; WB: Wet Bulb)
H2 heating Rating Conditions (AS / NZS 3823). Indoor: 20°C DB Outdoor: 2°C DB, 1°C WB (DB: Dry Bulb ; WB: Wet Bulb)

Specifications



Models

AS26NC2HRA(NF)/1U26QE4ERA
AS35NC2HRA(NF)/1U35QE4ERA
AS53HE1HRA(NF)/1U53RU3ERE
AS71NE1HRE(NF)/1U71SU3ERE

Warranty*

5yr

Key Features

Comfort



Quiet mode



Comfortable sleep



Long distance air supply



Intelligent air



3D airflow

Health



Evaporator self clean



Exquisite filter



Multi layer filter



Nano aqua

High Quality Components



Blue fin



Wi-Fi control
Optional



2-way piping design



Integrative valve cover



DC motor



DRED

Performance



A-PAM
DC inverter



-15°C heating



Auto restart



-10°C cooling



3 min
3 minutes protection



24 hours timer



Easy clean design

Elite Series Specifications

System Model Number		AS26NC2HRA(NF) / 1U26QE4ERA	AS35NC2HRA(NF) / 1U35QE4ERA	AS53HE1HRA(NH) / 1U53RU3ERE	AS71NE1HRE(NF) / 1U71SU3ERE
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)
	H2 heating	2.5	3.1	4.0	5.5
Power Input (Kw) (Range)	Cooling	0.62 (0.28 ~ 1.15)	0.91 (0.29 ~ 1.2)	1.42 (0.35 ~ 2.05)	2.08 (0.53 ~ 2.8)
	Heating	0.75 (0.29 ~ 1.2)	0.96 (0.3 ~ 1.3)	1.37 (0.4 ~ 2.9)	2.12 (0.64 ~ 3.3)
AEER		4.31	3.82	3.59	3.52
ACOP		4.62	4.14	4.16	3.82
Star Rating (MEPS)	Cooling	4.0	3.0	2.5	2.5
	Heating	4.5	3.5	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)		1.2	1.6	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		AS26NC2HRA(NF)	AS35NC2HRA(NF)	AS53HE1HRA(NF)	AS71NE1HRE(NF)
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)		42/36/29/23	42/36/29/23	46/42/36/34	47/42/36/34
OUTDOOR UNIT					
Model		1U26QE4ERA	1U35QE4ERA	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)	Cooling / Heating	49 / 51	50 / 52	51 / 53	52 / 54
Sound Power Level (dBA)	Cooling / Heating	60 / 63	61 / 64	66 / 68	68 / 70
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

Rating Conditions (AS / NZS 3823). Cooling – Indoor: 27°C DB, 19°C WB. Outdoor: 35°C DB. Heating – Indoor: 20°C DB Outdoor: 7°C DB, 6°C WB (DB: Dry Bulb ; WB: Wet Bulb)
H2 heating Rating Conditions (AS / NZS 3823). Indoor: 20°C DB Outdoor: 2°C DB, 1°C WB (DB: Dry Bulb ; WB: Wet Bulb)

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 Hi Wall Split System. This circuit controls the compressor and, therefore, the Hi Wall Split System's output. Raising the frequency increases the output, while lowering the frequency reduces it. In this way, inverter Hi Wall Split System provide much finer temperature control than conventional models can.

The benefits

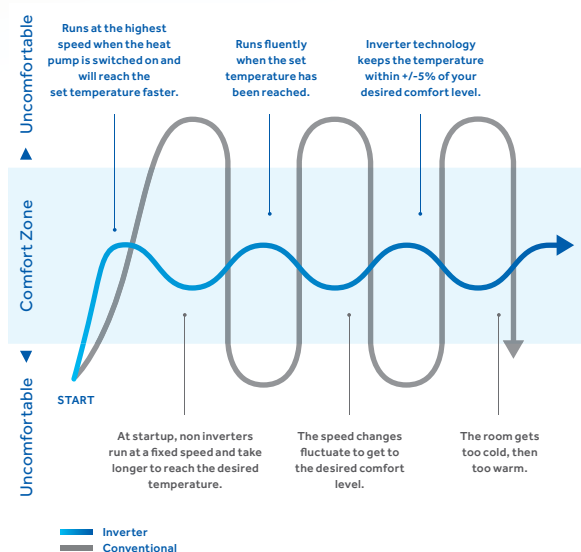
Haier inverters provide a range of benefits over conventional start/stop systems. These include:

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 Hi Wall Split System:

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 Hi Wall Split System 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:

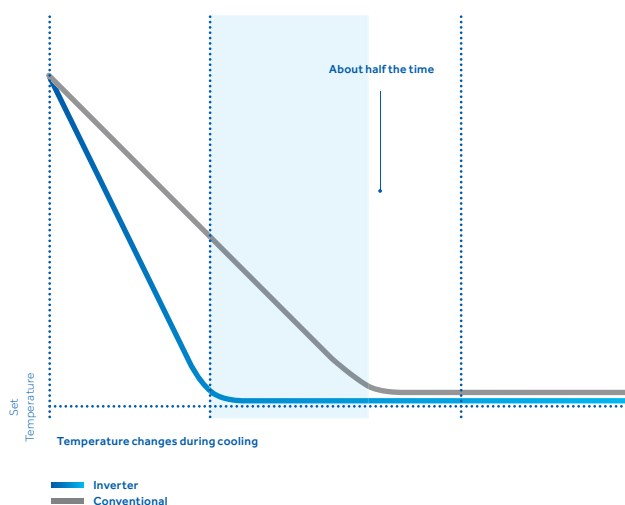
Higher energy efficiencies than conventional compressors

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 Hi Wall Split System is switched on, it supplies the exact power needed to heat or cool the room rapidly. This enables the Hi Wall Split System to reach the set temperature in around half the time required by conventional models.

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.



For Haier Appliances

Australia: 1300 729 948 | haier.com.au

New Zealand: 0800 424 372 | haier.co.nz

Haier

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The warrantor is:

Fisher & Paykel Australia Pty Ltd, Level 1, 1 Eden Park Drive, Macquarie Park, NSW 2113. Phone Customer Care: 1300 729 948 Email: customer.care@haier.com.au. Fisher & Paykel Appliances Ltd, 78 Springs Road, East Tamaki, Auckland 2013. Phone Customer Care: 0800 424 372. Email: customer.care@haier.co.nz.