

inspired  
living

**Haier**



## Split System Air Conditioners



Proudly distributed throughout Australia by Seeley International Pty. Ltd.





## The Haier Group

Haier has grown rapidly to become the world's 4th largest whitegoods manufacturer. With more than 50,000 employees worldwide and 240 subsidiary companies the Haier group is a world leader in appliance manufacturing with a diverse portfolio of products ranging from mobile phones and televisions to washing machines and refrigerators.

The Haier Air Conditioning Division focus on exciting innovations, energy efficiency and a commitment to quality was rewarded when the company succeeded in its bid to provide airconditioning equipment to the 2008 Olympics.

In less than 10 years, Haier has grown to be one of the leading air conditioning brands in USA, where its efficiency, reliability and innovative technology have made it overwhelmingly popular.

Now Haier wishes to do the same in Australia as well.

In July 2009, Haier joined with Seeley International, who, along with its existing iconic products (including such well-known brands as Breezair, Braemar, Coolair and Convair), is now also supplying these premium Haier air conditioning products into the very demanding, but very receptive, Australian market place. Already, this is proving to be a real "breath of fresh air!"

Combining such an outstanding product range, with Australia's largest manufacturing distributor of comfort products, is altogether unique, and is delivering great value to our customers.



## Comfort Choices

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# Haier

## DC INVERTER

### DC Inverter Technology

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 hence, the air conditioner’s output. Raising the frequency increases the output, whilst lowering the frequency reduces it. In this way, inverter air conditioners provide much finer temperature control than can conventional models.

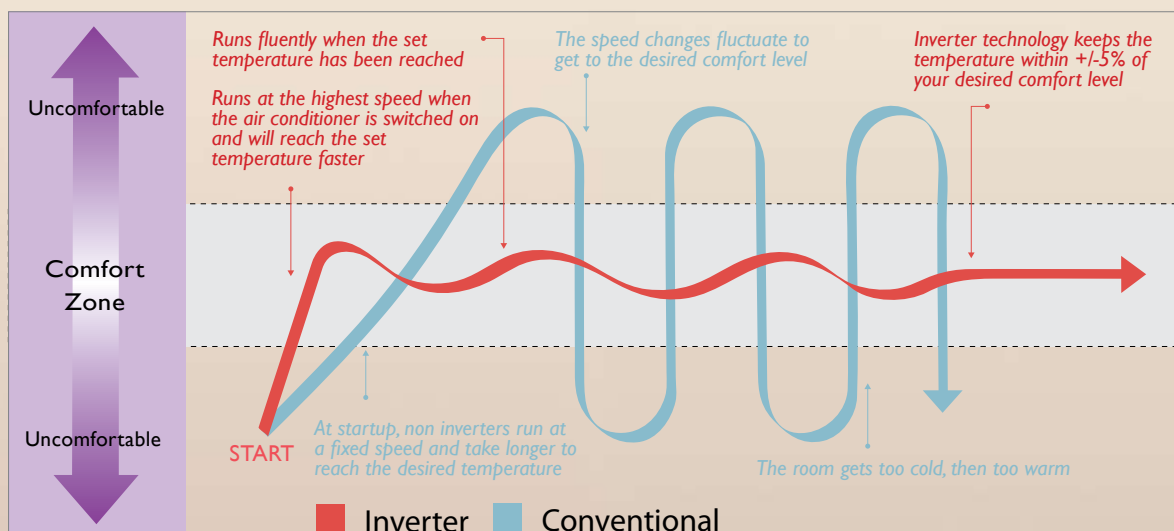
Haier inverters provide a range of benefits over conventional start/stop systems. These include:

- Significantly lower running costs compared to conventional systems
- Rapid and efficient room temperature changes
- Elimination of temperature fluctuations associated with traditional start/stop systems
- Greatly reduced system noise both inside and outside the home

### Inverter and 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**” quicker, as shown in the graph below.
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 below.



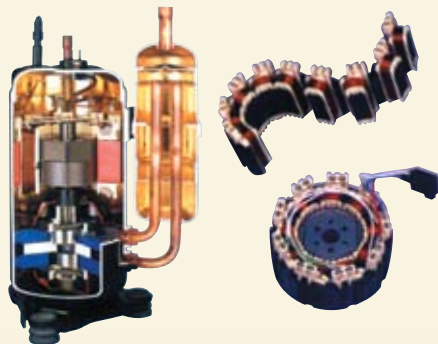
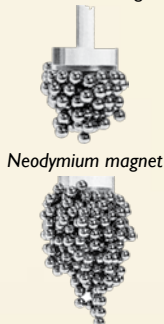


## High efficiency compressor

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

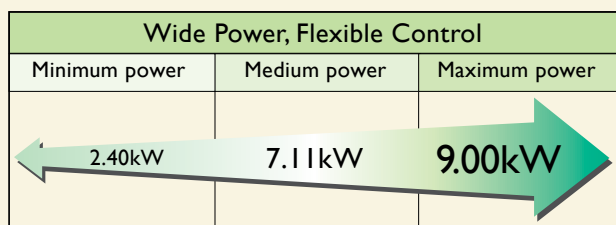
Conventional magnet



## Greater energy savings

Inverter systems deliver substantial energy savings compared to conventional start/stop systems, under normal operating conditions. By optimising energy consumption, not only will energy be saved, but CO<sub>2</sub> emissions will also be reduced.

### Flexible power control & Energy saving



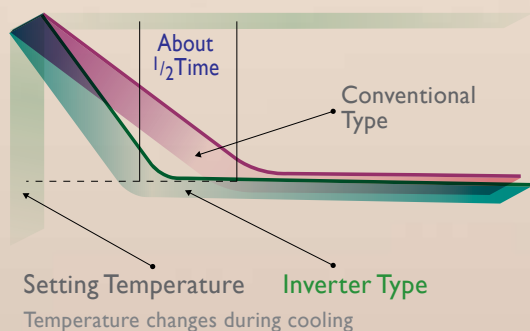
The graph shows the HSU-24HEA03/R2(DB)-I wide power output range during cooling

## 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, whilst providing the maximum heating or cooling effect.

### ■ Quick comfort



## HEA Series - Inverter



HSU-09HEA03/R2(DB)-I	Cooling	Heating
Capacity(kW)	2.63(1.25~3.60)	2.93(1.30~3.80)
EER/COP	3.38	3.67

HSU-12HEA03/R2(DB)-I	Cooling	Heating
Capacity(kW)	3.52(1.25~4.80)	3.90(1.30~5.00)
EER/COP	3.20	3.25

HSU-18HEA03/R2(DB)-I	Cooling	Heating
Capacity(kW)	5.00(0.95~5.50)	5.22(1.36~6.00)
EER/COP	3.16	3.27

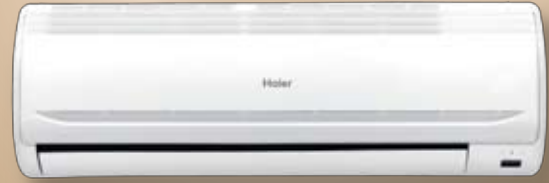


HSU-24HEA03/R2(DB)-I	Cooling	Heating
Capacity(kW)	7.11(2.40~9.00)	7.50(2.70~10.00)
EER/COP	3.25	3.65

HSU-30HEA03/R2(DB)	Cooling	Heating
Capacity(kW)	8.00(2.75~9.00)	9.90(3.00~11.50)
EER/COP	4.09	3.41



## HC Series - Inverter



HSU-09HC03/R2(DB)	Cooling	Heating
Capacity(kW)	2.50(0.08~3.40)	3.45(1.30~4.50)
EER/COP	3.97	3.50

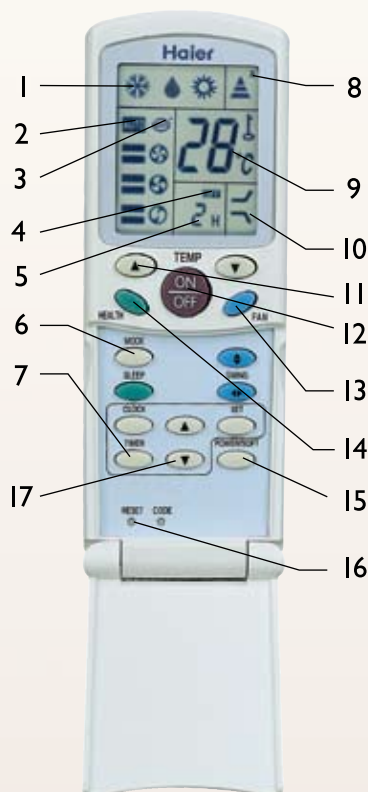
  

HSU-12HC03/R2(DB)	Cooling	Heating
Capacity(kW)	3.40(1.00~4.30)	4.00(1.30~4.50)
EER/COP	3.35	3.45



- Dehumidify / Dry mode
- Intelligent Air
- Anti-mold filter
- Bacteria killing medium
- 3D Airflow
- Easy clean design
- Auto restart
- Auto fan
- Sleep mode
- 24 Hour On/Off real timer setting
- Left & Right airflow
- Child lock
- Negative ion
- Auto mode

## Inverter Controller Display functions



### 1.Mode

Mode selected is displayed:  
Auto | Heat | Cool | Fan | Dry

### 2.Air Volume

This shows the air speed, when set to "automatic".  
The air speed changes according to the temperature difference between the indoor and set temperatures

### 3.Negative Ion Generator

Indicates that the Negative Ion Generator is in operation

### 4.Timer Mode Display

"Normal" means the function is off. "Timer off" indicates when cooling ceases. "Timer on" indicates commencement of cooling.

### 5.Time Set Indicator

Start and stop times

### 6.Mode Selection

Cooling  
Dehumidifying  
Heating

### 7.Timer

To set operating times

### 8.Signal Display

Intermittent when signal is being sent

### 9.Temperature Display

Indicates set temperature

### 10.Power/Soft Operation indicator

### 11.Temperature Set

To change required room temperature

### 12.On/Off Button

Operation of the air conditioner

### 13.Fan Speed

LO - MED - HI - AUTO

### 14.Negative Ion Generator

Turn Negative Ion Generator On/Off

### 15.Power / Soft Button

The Power function delivers a powerful surge of heat/cool (for approx 15 minutes), the Soft function scales the system back for quiet operation.

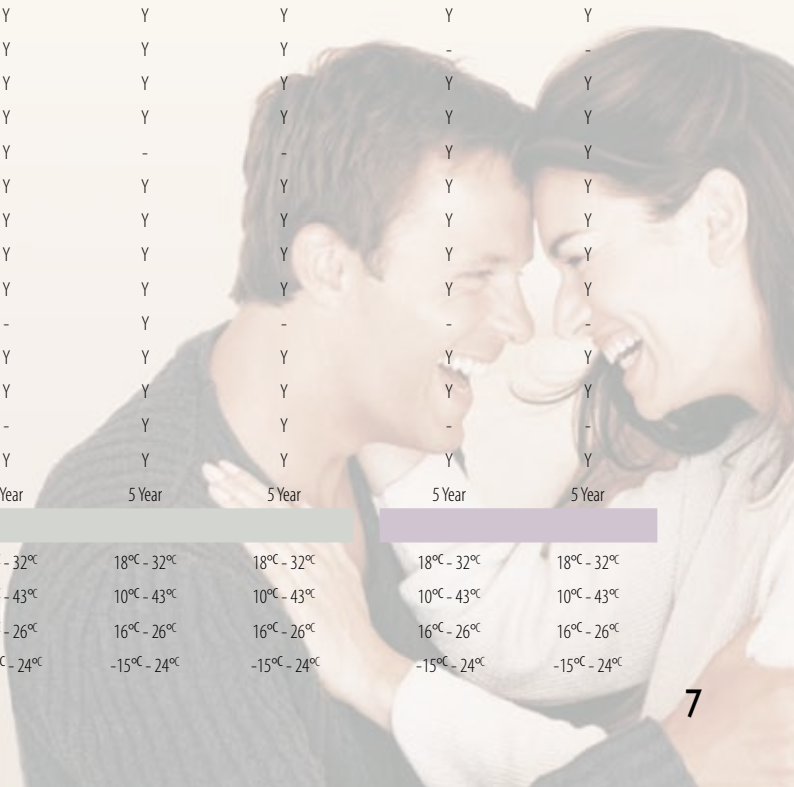
### 16.Reset

To return the controller to normal

### 17.Hour

Setting clock timer

System Model Number	HSU-09HEA03/ R2(DB) - I	HSU-12HEA03/ R2(DB) - I	HSU-18HEA03/ R2(DB) - I	HSU-24HEA03/ R2(DB) - I	HSU-30HEA03/ R2(DB)	HSU-09HC03/ R2(DB)	HSU-12HC03/ R2(DB)
<b>Performance</b>							
Rated Cooling Capacity (kW)	2.63 (1.25-3.60)	3.52(1.25-4.80)	5.00 (0.95-5.50)	7.11 (2.40-9.00)	8.00 (2.75-9.00)	2.50 (0.80-3.40)	3.40(1.00-4.30)
Rated Heating Capacity (kW)	2.93 (1.30-3.80)	3.90(1.30-5.00)	5.22 (1.36-6.00)	7.50 (2.70-10.00)	9.90 (3.00-11.50)	3.40 (1.30-4.50)	4.00(1.30-4.50)
Cooling EER (W/W)	3.38	3.20	3.16	3.25	4.09	3.97	3.35
Heating COP (W/W)	3.67	3.25	3.27	3.65	3.41	3.50	3.45
<b>Power Input</b>							
Cooling (kW)	0.78 (0.35-1.35)	1.10 (0.35-1.85)	1.58 (0.27-1.95)	2.20 (0.60-3.30)	2.65 (0.55-3.40)	0.63	1.00
Heating (kW)	0.80 (0.32-1.35)	1.14 (0.32-1.71)	1.60 (0.35-2.20)	2.30 (0.64-3.30)	2.90 (0.60-3.40)	1.00	1.20
<b>Indoor Sound Level</b>							
Sound Pressure Level L/M/H (dB(A))	30/34/39	36/38/41	38/41/44	40/45/47	43/49/52	38/41/44	39/42/45
<b>Outdoor Sound Level</b>							
Sound Power Level (dB(A))	60	62	62	71	72	54	52
<b>Air Circulation</b>							
Nominal Airflow L/M/H (L/s)	118/131/146	125/145/180	182/202/222	300/330/360	234/300/335	-/-/153	-/-/194
Moisture Removal (L/hr)	1.20	1.20	2.00	2.80	3.50	1.20	1.65
<b>Electrical Data</b>							
Power Supply (V/Ph/Hz)	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Circuit Breaker Size (A)	10.0	10.0	15.0	20.0	20.0	10.0	10.0
Running Current (Rated - Cool/Heat (A))	3.5/3.5	4.9/5.0	7.1/6.9	9.8/10.3	11.3/12.3	3.0/4.2	4.9/5.6
<b>Refrigeration Circuit</b>							
Max Line Length (m)	15.0	15.0	25.0	25.0	15.0	15.0	15.0
Max Line Lift (m)	10.0	10.0	15.0	15.0	20.0	10.0	10.0
Pre-Charged Line Length (m)	7.0	7.0	10.0	10.0	10.0	4.0	4.0
Base Charge (g)	980	1120	1200	2450	2350	940	1150
Extra g/m over Pre-charge Length	20.0	20.0	20.0	50.0	50.0	20.0	20.0
Refrigerant Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Liquid Line Size (mm)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	9.53 (3/8)	9.53 (3/8)	6.35 (1/4)	6.35 (1/4)
Vapour Line Size (mm)	9.53 (3/8)	9.53 (3/8)	12.7 (1/2)	15.88 (5/8)	15.88 (5/8)	9.53 (3/8)	9.53 (3/8)
Compressor Type	Rotary	Rotary	Scroll	Scroll	Scroll	Rotary	Rotary
<b>Dimensions</b>							
Indoor (W x H x D) - (mm)	795 x 265 x 182	938 x 265 x 182	938 x 265 x 182	1140 x 320 x 240	1147 x 322 x 235	795 x 265 x 182	938 x 265 x 182
Outdoor (W x H x D) - (mm)	783 x 543 x 255	783 x 543 x 255	820 x 682 x 310	952 x 840 x 350	948 x 830 x 340	783 x 543 x 255	783 x 643 x 255
<b>Weight</b>							
Indoor - Unit/Packaged (kg)	9.4 / 11.0	10.9 / 12.6	10.9 / 12.6	15.5 / 18.5	20.0 / 23.5	8.5 / 10.5	9.5 / 11.5
Outdoor - Unit/Packaged (kg)	33.0 / 36.0	33.0 / 36.0	47.0/ 50.0	75.0 / 80.0	64.5 / 68.5	34.0 / 37.0	37.5 / 40.5
<b>Additional Features</b>							
Remote Control Model	YR-H04	YR-H04	YR-H04	YR-H47	YR-H47	YR-H79	YR-H79
Healthy Negative Ion	Y	Y	Y	Y	Y	Y	Y
Child Lock	Y	Y	Y	Y	Y	-	-
24 Hour Timer	Y	Y	Y	Y	Y	Y	Y
Easy Clean Design	Y	Y	Y	Y	Y	Y	Y
Intelligent Air	Y	Y	Y	-	-	Y	Y
Anti-mold filter	Y	Y	Y	Y	Y	Y	Y
Sleep Mode	Y	Y	Y	Y	Y	Y	Y
4 Fan settings	Y	Y	Y	Y	Y	Y	Y
Auto Mode	Y	Y	Y	Y	Y	Y	Y
Entire Auto Mode	-	-	-	Y	-	-	-
Power Mode	Y	Y	Y	Y	Y	Y	Y
Soft Mode	Y	Y	Y	Y	Y	Y	Y
Motorised Left-Right louvre	-	-	-	Y	Y	-	-
Auto restart after Power Fail	Y	Y	Y	Y	Y	Y	Y
Warranty Period	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year
<b>Operating Limits</b>							
Cooling - Indoor	18°C - 32°C	18°C - 32°C	18°C - 32°C	18°C - 32°C	18°C - 32°C	18°C - 32°C	18°C - 32°C
Cooling - Outdoor	10°C - 43°C	10°C - 43°C	10°C - 43°C	10°C - 43°C	10°C - 43°C	10°C - 43°C	10°C - 43°C
Heating - Indoor	16°C - 26°C	16°C - 26°C	16°C - 26°C	16°C - 26°C	16°C - 26°C	16°C - 26°C	16°C - 26°C
Heating - Outdoor	-15°C - 24°C	-15°C - 24°C	-15°C - 24°C	-15°C - 24°C	-15°C - 24°C	-15°C - 24°C	-15°C - 24°C



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Established in 1972, Seeley International has grown to become Australia's largest air conditioning manufacturer with brands including Breezair, Climate Wizard, Braemar, Convoir and Coolair. 100% Australian owned, Seeley International exports Australian made products to more than 110 countries and also distributes and markets the best of the world's refrigerated air conditioning products under licence in Australia. Seeley International, world leader in advanced, energy efficient cooling technology.

These products are proudly distributed by:



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**All sales enquiries 1300 008 825**

**Seeley International  
'ALL STARS' brands:**

**Breezair**  
NUMBER ONE IN NATURAL COOLING

CLIMATEWIZARD

**Braemar**  
HEATING COOLING

convoir

coolair

**Braemar**  
Tudor Romeo

Warranty conditions are subject to property access and industry Safety Standards.  
Full terms and conditions applicable to Haier installation available on request from dealer. Seeley International strives for continuous product improvements, therefore specifications are subject to change without notice. Unit colour may vary slightly from that depicted in this brochure. Installation and commissioning system to manufacturer's specifications - compliance with industry standards and state regulatory codes are the responsibility of the installer.

Information in this brochure was correct at the time of preparation. E&OE. H0003:0310FP