

LG Non-Inverter Multi Split Air Conditioners



We always pursue highly advanced technologies to improve the quality of your life.

Enjoy clean, quiet & comfortable Air Conditioning from LG.



H2UC186FA0



H3UC216FA0



H3UC246FA0

10 Good Reasons Why You Should Buy LG Non-Inverter Multi Split Air Conditioners?

Here's Why.

01. We are rated **Highest Energy Efficiency ratio (EER)** by **National Energy Agency (NEA)** as of 07.12.2007.

For System 3

Total Cooling Capacity:	22,500 Btu/h
Rated COP:	3.74

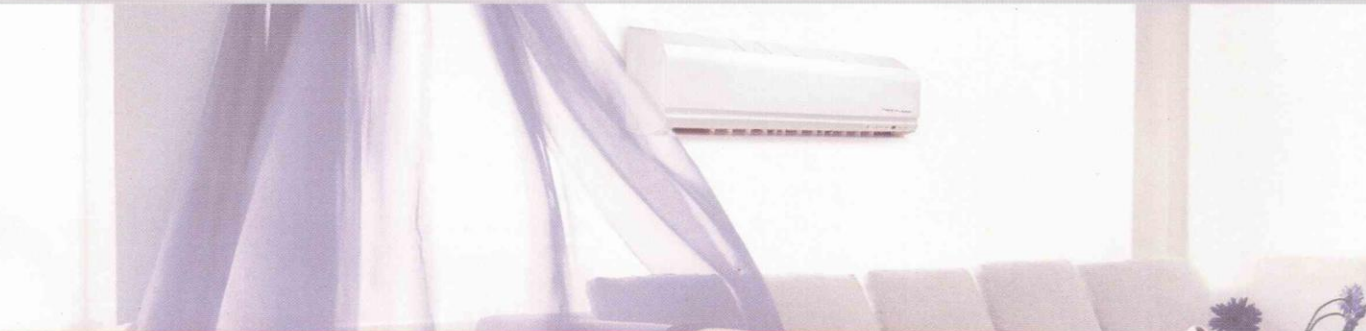
For more information, visit www.nea.gov.sg



02. The World's Best Seller - LG Air Conditioners

7 Global No.1 LG Electronics,
The World's Best Seller,
Seven Years in a Row

"The outstanding quality of LG air conditioners is recognized by people all over the world." According to an article by Japan's famous freezing and air conditioning magazine JARN (Japan Air Conditioning, Heating & Refrigeration News), LG Electronics sold its 4.9 million air conditioners in 2000, taking the world's first spot in sales. When the company has posted 10 million units in 2004 and 2005, the first of its kind, it has become the top seller of air conditioners in the world for seven consecutive years. This landmark achievement has been made possible by our continuous R&D activities, expansion of production lines, and 6-sigma campaigns (6-sigma quality control system), among others. LG Electronics is committed to maintaining its market leadership in air conditioners through its advanced technologies and R&D efforts.



03. Clean and Healthy Air Ensures Comfortable Living - Nano Plus Filter

1. Pre Filter

Nano Silver in Nano Bio Fusion Particle directly penetrates through cell walls of bacteria and allergen to decompose its cell nuclei and kill them.

2. Triple Filter

Triple filter consists of 3 different organic compound filters to eliminate displeasure and pain in the eyes and neck with various organic compounds.

[1] The VOC Filter removes odors and hazardous VOCs that offgas from materials made with chemicals (carpet, paint, cleaners, furniture, etc.). [*V.O.C = Volatile Organic Chemical]

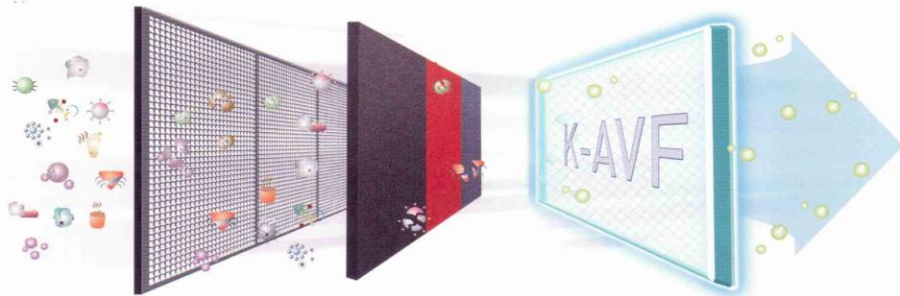
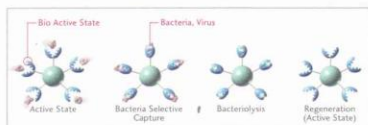
[2] The Formaldehyde filter cuts off formaldehyde, a prime cause of new-house syndromes, and prevents symptoms such as dermatitis, vomiting and pneumonia.

[3] The Common odor filter removes ordinary odors that are causes of migraines and chronic fatigues.



3. K - AVF Filter

K - AVF filter allows their nano-size bio enzymes to directly penetrate through cell walls of bacteria to decompose its cell nuclei and kill the virus, while conventional methods merely inactivate bacteria or destroy external cell walls.



1 Pre Filter

- Allergy
- Mold
- Mite
- Big dust

2 Triple Filter

- Odor of construction ingredient
- Chemical substance
- Pollutant

3 K-AVF Filter

- Influenza
- Virus
- Allergy

K - AVF filter's 4 chemical sterilizers



Leuconostoc Citreum

Leuconostoc Citreum (lactic ferment abstracted from kimchii), has clear effects on inactivating and destroying influenza virus.



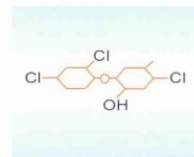
Houttuynia

Natural anti-virus agent abstracted from houttuynia tablet that is a korean medicine.



Ag-Z (Nano-Silver Zeolite)

Anti-virus agent of nano-silver inorganic family activated by positive ion.

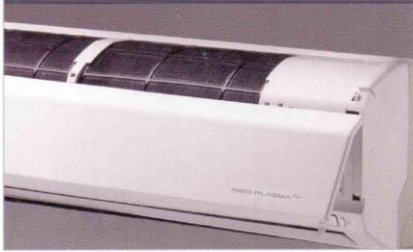


TCS (Triclosan)

Bacteria ferment inhibitor and germicide with fungicide and anti inflammation property.

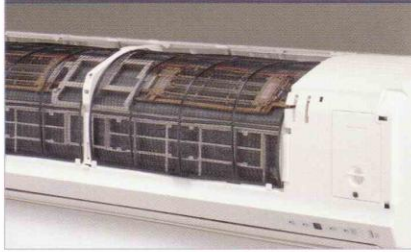
04. Quick & Easy Clean System

Easy Open >> Ez-Detachable Grille



Simple bottom to top flip cover, now it is much easier to clean your air conditioner.

Easy Clean >> Ez-Cleaning Filter



Filters must be kept clean at all times to ensure optimum operation. The Ez-Cleaning Filter is designed for easy handling and cleaning.

Easy Clean >> Washable Filter



Easy and convenient cleaning!

05. Auto Cleaning

Auto Clean Operation



1st Step

Dries the evaporator with a soft low noise wind and removes remaining moisture.

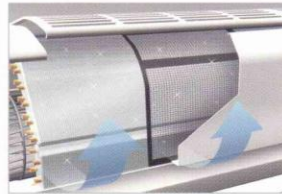
When you press "Auto Clean", Auto clean starts after cooling operation.



2nd Step

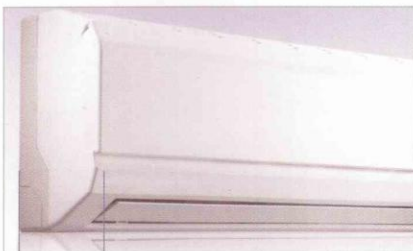
Fundamentally removes the sources of molds once again through the filter system.

In 30 minutes, "Auto clean: dries the inner part of air conditioner.



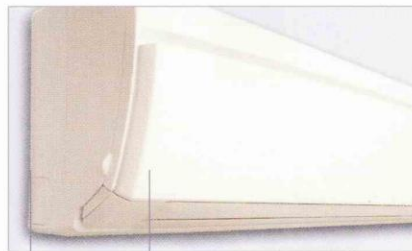
06. Super Slim

LG Non-Inverter Multi Split Air Conditioner



153 mm

Other Brands



180 - 244 mm

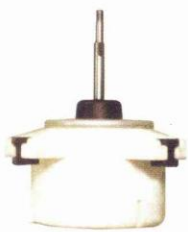
07. Ultra Silent

A nature breeze hardly makes any noise.
 LG air Conditioners are more silent than a branch swaying in the wind.



The Quiet operation has three-layer and new design

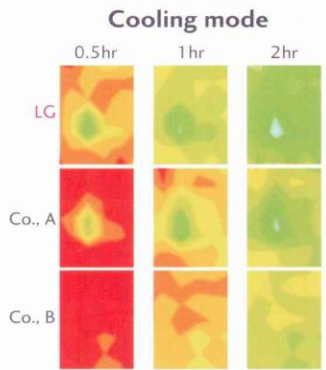
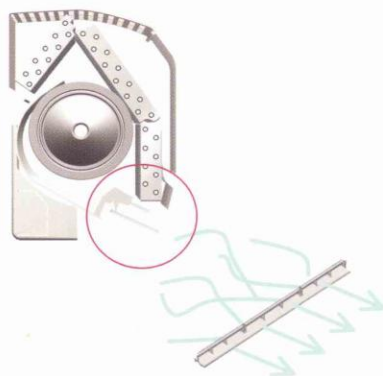
1. **Less noise with three-layer, anti noise mechanism**
 A three layer, anti-noise mechanism covers the noise coming from the fan and motor.
2. **No-grille front panel**
 The noise from the evaporator will return when the panel is turned back.
3. **Conveniently attaches to the wall**
 The double-tubing cover minimizes space between the wall and the air conditioner in order to reduce the noise caused by motor vibration.



And with LG indoor fan coils, you can rest assured of a quieter environment as LG uses BLDC (Brushless DC) motor. The smooth revolution, high-efficiency BLDC motor not only consumes less electricity, but it also will not generate any mechanical noise.

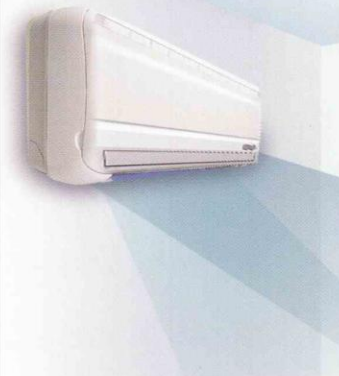
08. Even & Fast Cooling

Have an even and fast air flow with the Twin Air Vane™, which regulates cool air.



09. New Chaos Swing

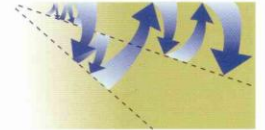
A multi-angle wind likes a natural breeze. A doubled-angle, coupled with a freely controlled speed!! Fusion air stream that makes you feel the nature.



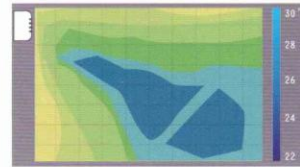
Up speed: 12ms (Slow)
Down speed: 6ms (Fast)

Wind-up Effects:
The Wind-up Effect is controlled by the Vane Angle Control to evenly distribute nature-like air throughout the room.

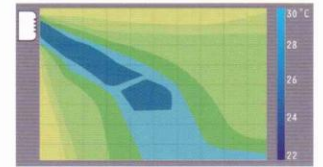
It swings at an angle twice wider than that in conventional air conditioners, thus minimizing differences in indoor temperatures, and allowing air to circulate in every corner of the room.



Indoor Temperature Distribution Chart



Chaos Swing



Auto Swing

10. Gold Fin

LG's Heat exchanger surface is coated with an anticorrosive material on aluminium. This ensures the surface is always free of corrosion and helps them perform like a new unit.

Salt Spray Test for 15 Days

	After 15 Days →		LG Gold Fin Corrosion Free
	After 15 Days →		Conventional Starting to corrode

*Gold Fin is long lasting, durable and makes the outdoor unit look prestigious.



SYSTEM 2 & 3

System 2



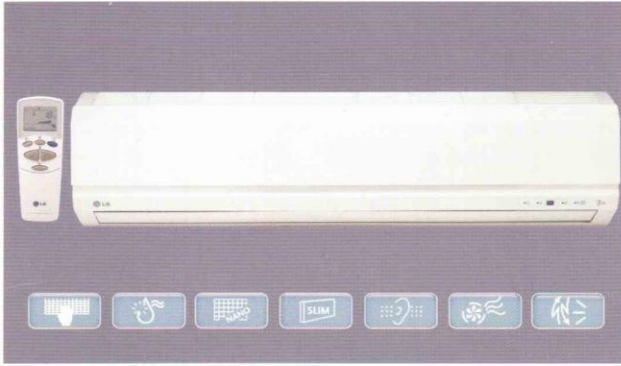
System 3



System 3

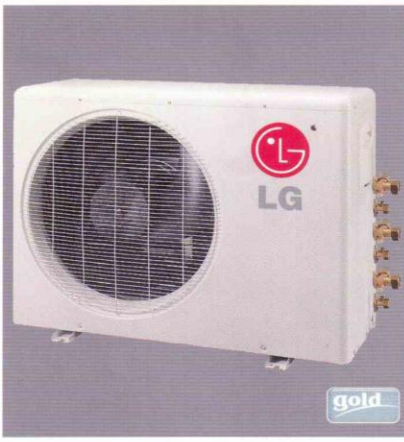


Wall Mounted Type Indoor Unit (Specification)



	UNIT	HMNC096D4A0	HMNC126D4A0
Cooling Capacity	kW	2.64	3.52
	Btu/h	9,000	12,000
Nominal Running Current	A	0.50	0.50
Power Supply	ØV/Hz	1/220-240/50	1/220-240/50
Dehumidification Rate	l/h	1.1	1.2
Fan Motor Type		BLDC	BLDC
Fan Type		Cross Flow	Cross Flow
Airflow Rate (H/M/L)	cmm	7.0/6.5/6.0	9.5/9.0/8.5
	cfm	247/230/212	336/318/300
Noise Level (Sound Press, 1m)	Indoor (L/M/H) dB(A)±3	37/33/28	40/37/32
Dimensions (W x H x D)	Indoor mm (inch)	840x270x153 (33.0x10.6x6.0)	840x270x153 (33.0x10.6x6.0)
Net Weight	Indoor kg(lbs)	7 (15.4)	7 (15.4)
Connecting Cable (With Earth Cable)	No.x mm ²	4*0.75	4*0.75
Connecting Tube (ø Socket Flare)	Liquid mm (inch)	6.35 (1/4)	6.35 (1/4)
	Gas mm (inch)	9.52 (3/8)	12.7 (1/2)
	Length m	7.5	7.5
Refrigerant		R22	R22
Drain Hose	mm	20	20
Power and Transmission Interunit Cable	No.x mm ²	4*0.75	4*0.75

Outdoor Unit (Specification)



Outdoor Unit		UNIT	H2UC186FA0	H3UC216FA0	H3UC246FA0
Cooling Capacity		Btu/h	9,400-21,500	9,600-22,500	9,000-25,500
		kW	2.75-6.3	2.81-6.59	2.63-7.47
Power Input	Cooling	kW	1.6-1.8	1.7-1.8	0.83-2.14
Running Current	Cooling	A	8.3	8.1	9.8
Starting Current	Cooling	A	59	59	54
Power Supply		ØV/Hz	1/220-240/50	1/220-240/50Hz	1/220-240/50Hz
Compressor	Type		Rotary	Rotary	Rotary
	Quantity	No.	1	1	1
Refrigerant	Type		R22	R22	R22
	Control		LEV	LEV	LEV
Additional Refrigerant Charge		g/m	30	30	30
Noise Level (Sound Press, 1m)		dB(A)+3	54	54	56
SVC Valve	Liquid	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	mm (inch)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
Dimensions	WxHxD	mm (inch)	870x655x320 (34.2x25.8x12.6)	870x655x320 (34.2x25.8x12.6)	870x655x320 (34.2x25.8x12.6)
Net Weight		kg (lbs)	52 (115)	53 (117)	55 (121)
Power Supply Cable(Outdoor)		No.x mm ²	3 x 2.5	3 x 2.5	3 x 2.5
Interunit Cable		No.x mm ²	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)	4 x 0.75 (Including Earth)
Max. Interunit Piping Length	Total Piping	m	30	45	45
	Each Branch Piping	m	15	15	20
	Outdoor Unit-Indoor Unit	m	7.5	7.5	7.5
Max. Installation Height Difference	Indoor Unit-Indoor Unit	m	7.5	7.5	7.5
	Operation Range (Outdoor)	Cooling	°C	18-43	18-43

Non-Inverter Multi Split System (Capacity Table)

	Combination (Indoor Unit)	Capacity of Each Room Unit (Btu/h)			Total (Btu/h)	Total Running Current (A)	Power Consumption (W)
		A	B	C			
H2UC186FA0	1 UNIT	9	-	-	10,000	-	-
		12	-	-	12,500	-	-
		9	9	-	18,000	9,400	-
	2 UNIT	9	12	-	21,000	10,800	-
		12	12	-	24,000	10,000	-
		9	9	9	27,000	7,000	7,000
H3UC216FA0	1 UNIT	9	-	-	9,600	-	-
		12	-	-	12,000	-	-
		9	9	-	18,000	9,000	-
	2 UNIT	9	12	-	21,000	10,800	-
		12	12	-	24,000	10,000	-
		9	9	9	27,000	7,000	7,000
H3UC246FA0	1 UNIT	9	-	-	9,000	-	-
		12	-	-	12,300	-	-
		9	9	-	18,000	9,800	-
	2 UNIT	9	9	-	18,000	9,800	-
		9	12	-	21,000	12,200	-
		12	12	-	24,000	11,000	-
		9	18	-	27,000	7,800	15,200
		9	9	9	27,000	8,000	8,000
		9	9	12	30,000	7,200	9,600
	3 UNIT	9	12	12	33,000	6,600	8,700

Note:
 1. Capacities are based on the following conditions:
 Cooling - Indoor Temperature 27°C (80.6°C) DB /19°C (66.2°C) WB
 - Outdoor Temperature 35°C (95°C) DB /24°C (75.2°C) WB
 Piping Length - Interconnecting Piping Length 7.5m - Level Difference of Zero

Conversion Formula
kcal/h = kW * 860
Btu/h = kW * 3412
CFM = CMM * 35.3

2. Wiring cable size must comply with the applicable local and national code.
 3. Design & specifications are subjected to changes without prior notice for product improvement.

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