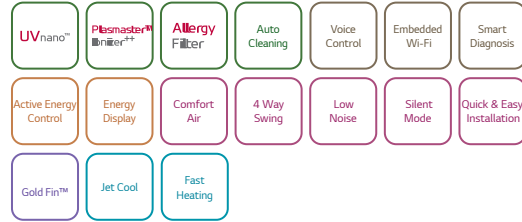


ARTCOOL MIRROR



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification : www.eurovent-certification.com

Single Combination

UNIT				9K	12K	18K	24K
INDOOR				AC09BK NSJ	AC12BK NSJ	AC18BK NSK	AC24BK NSK
Capacity	Cooling	Min. / Rated / Max.	kW	0.89 / 2.50 / 3.70	0.89 / 3.50 / 4.04	0.90 / 5.00 / 5.50	0.90 / 6.60 / 7.42
	Heating	Min. / Rated / Max.	kW	0.89 / 3.30 / 4.10	0.89 / 4.00 / 5.10	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
Power Input	Heating -7°C	Rated	kW	2.60	3.00	4.20	6.00
	Cooling / Heating	Rated	W	656 / 800	1,080 / 1,050	1,562 / 1,611	2,164 / 2,238
EER			W/W	3.81	3.24	3.20	3.05
S.E.E.R.				7.00	6.60	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.13	3.81	3.60	3.35
S.C.O.P		(Average / Warmer)		4.00 / 4.90	4.00 / 4.90	4.30 / 5.30	4.30 / 5.30
P design H (Average / Warmer)			kW	2.50 / 1.30	2.50 / 1.30	3.90 / 2.10	5.00 / 2.70
Energy Label (A+++ to D Scale)	Cooling			A++	A++	A++	A++
	Heating	(Average / Warmer)		A+ / A++	A+ / A++	A+ / A+++	A+ / A+++
Annual Energy Consumption	Cooling		kWh	125	186	250	335
	Heating	(Average / Warmer)	kWh	875 / 371	875 / 371	1,270 / 555	1,628 / 713
Sound Pressure	Cooling	S / L / M / H	dB(A)	19 / 27 / 35 / 41	19 / 27 / 35 / 41	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 35 / 41	27 / 35 / 41	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling		dB(A)	59	59	60	65
	Heating						
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m ³ /min	3.0 / 4.2 / 7.5 / 10.0 / 12.5	3.0 / 4.2 / 7.5 / 10.0 / 12.5	8.0 / 10.5 / 13.0 / 14.5 / 15.5	8.0 / 10.5 / 13.1 / 16.1 / 18.3
	Heating	L / M / H	m ³ /min	5.6 / 7.2 / 10.0	5.6 / 7.2 / 10.0	11.0 / 13.5 / 16.0	11.0 / 14.3 / 17.6
Dehumidification Rate			l/h	1.1	1.3	1.8	2.5
Running Current	Cooling	Min. / Rated / Max.	A	1.10 / 3.30 / 6.00	1.10 / 4.70 / 6.00	1.20 / 6.90 / 9.00	1.20 / 9.80 / 14.00
	Heating	Min. / Rated / Max.	A	1.10 / 4.00 / 7.00	1.10 / 4.70 / 7.00	1.20 / 7.10 / 9.50	1.20 / 10.00 / 14.00
Starting Current	Cooling / Heating	Rated	A	3.30 / 4.00	4.70 / 4.70	6.90 / 7.10	9.80 / 10.00
Power Supply			Ø / V / Hz	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50	1 / 220-240 / 50
Circuit Breaker			A	15	15	20	25
Power Supply Cable			N x mm ²	3 x 1.0	3 x 1.0	3 x 1.5	3 x 2.5
Power & Transmission Cable (Including Earth)			N x mm ²	4 x 1.0	4 x 1.0	4 x 1.0	4 x 1.0
Dimension			mm	837 x 308 x 192	837 x 308 x 192	998 x 345 x 212	998 x 345 x 212
Net Weight			kg	9.9	9.9	12.8	13.5
Fan Motor Output			W	30	30	30	58
OUTDOOR				AC09BK UA3	AC12BK UA3	AC18BK UL2	AC24BK U24
Operation Range	Cooling	Min. / Max.	°C DB	-10 / 48	-10 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-10 / 24	-10 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling / Heating	High	dB(A)	48 / 50	48 / 50	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m ³ /min	27	27	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 15	3 / 15	3 / 20	3 / 30
	Elevation (ODU / IDU)	Min. / Max.	m	7	7	10	15
Piping Connection	Liquid	OD (Outside)	mm (inch)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	OD (Outside)	mm (inch)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	15.88 (5/8)
Drain Hose Size		OD (Outside)	mm (inch)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)	21.5 (27/32)
Refrigerant	Type			R32	R32	R32	R32
	Charge at 7.5m		kg	0.700	0.700	1.000	1.100
			t-CO ₂ eq	0.473	0.473	0.675	0.743
	Additional Charge		g/m	20	20	20	20
	GWP			675	675	675	675
Fan Motor Output			W	43	43	43	85
Compressor Type				Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary	Inverter Twin Rotary
Net Weight			kg	26.0	26.0	35.2	46.4
Dimension			mm	717 X 495 X 230	717 X 495 X 230	770 X 545 X 288	870 X 650 X 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y
List Price - Indoor Unit + Outdoor Unit			£	£439.00+£461.00	£524.00+£531.00	£719.00+£728.00	£767.00+£1,022.00
List Price - System Price			£	£900.00	£1,055.00	£1,447.00	£1,789.00

This product contains Fluorinated greenhouse gases (R32).
 S : Sleep / L : Low / M : Medium / H : High
 GWP : Global warming potential
 t-CO₂eq : F-gas(kg)*GWP/1000
 Specification, design and feature are subject to change without prior notice.

Anytime, Anywhere!
ThinQ™
with Voice Control



☐ Specifications may vary for each model.

Benefit

Easily comprehensible error messages make detecting a solution and contacting the service center simple and convenient.



For Consumer



- Easily check operational status of a product without a display or one that provides limited information.
- Save energy by monitoring key operational information and power consumption.
- Using the Maintenance Guide helps to improve device performance and increase product life-span.

For Installer and SVC



- Understand the product better by easily confirming operational status and information.
- Intuitively diagnose problems by comparing current and past usage data.
- Maintain installation capabilities and reduce installation errors by quickly confirming device operational status.

Dual Inverter Compressor



Dual Inverter
COMPRESSOR

A compressor is the heart of an air conditioner, and monitoring whether it is operating at its best performance, effectively and quietly, to save the system stress as well lower running costs. LG's Dual Inverter Compressor provides an effective solution, resulting in an air conditioner that cools and heats faster, lasts longer, and operates quieter than conventional models.



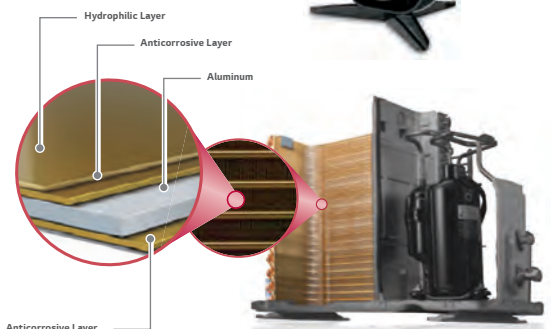
Gold Fin™

The Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion.

- ☐ Specifications may vary for each model.
- ☐ Depending on the experimental conditions.

Corrosion-resistant protective layer

The gold-coloured special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit and given it a premium look.



For our policy of continuous product improvement, specification, design and features are subject to change without prior notice.

AirCare Complete System™

The all-new AirCare Complete System uses a filtration process with UVnano™ and Ionizer that removes fine dust and even bacteria, ensuring the air flow around is always fresh.

ART COOL™ MIRROR

Auto Cleaning

Automatically dries out any moisture collected in the unit to prevent the formation of harmful particles.

Pre-Filter™

Traps big dust particles from the start.

Allergy Filter

Removes allergy-causing substances, such as house dust mites, floating in the air.

UVnano™

Keeps your fan 99.99% bacteria-clean with UV LED light to ensure fresh and clean air is delivered.

Plasmaster™ Ionizer⁺⁺

Keeps the air cool and healthy by deodorising the air as well as removing 99.9%* of adhering bacteria.

DUAL COOL™ DELUXE

Auto Cleaning

Automatically dries out any moisture collected in the unit to prevent the formation of harmful particles.

Pre-Filter™

Traps big dust particles from the start.

Allergy Filter

Removes allergy-causing substances, such as house dust mites, floating in the air.

UVnano™

Keeps your fan 99.99% bacteria-clean with UV LED light to ensure fresh and clean air is delivered.

Plasmaster™ Ionizer⁺⁺

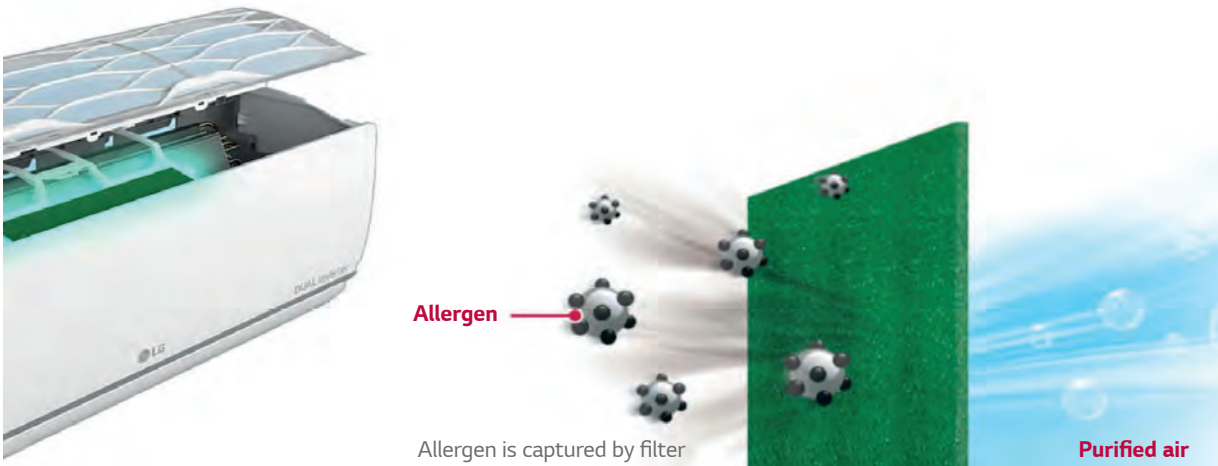
Keeps the air cool and healthy by deodorising the air as well as removing 99.9%* of adhering bacteria.

Allergy Filter

Airflow from an air conditioner can cause or contribute to symptoms associated with allergies or asthma. However, LG units boast an interior filter that can absorb these harmful substances, such as dust mites, pollen, fungi, and mold, that float throughout the air.

How It Works

Removes allergy-causing substances, such as dust mites that can be found in the air.



Certification



Specially coated filter reduces

* Test Condition Disclaimer

A filter is coated to absorb harmful substances that can cause allergies.

The air conditioner strongly absorbs indoor air and removes allergy-causing substances, such as house dust mite, fungi, mold, floating in the air.

Allergy UK (a world-renowned organization) is a British medical charity dedicated to helping adults and children with their allergies. The charity was founded in 1991 as the British Allergy Foundation, and in 2002 the operational name of the charity became Allergy UK. Allergy UK endorses certain products that restrict or remove high levels of allergens and gives them a Seal of Approval.

UVnano™

LG DUALCOOL, keeping the fan (inside the unit) 99.99% bacteria-free with ultraviolet light to ensure that the air passing through is clean too.

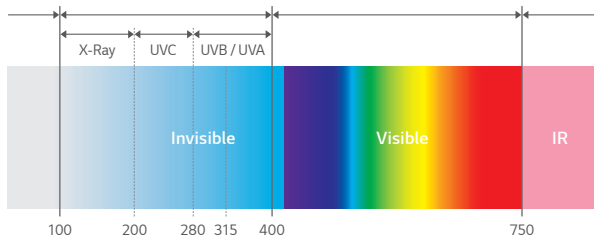
UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV (ultraviolet) and nanometer (unit of length).

What is UVnano™ and How it Works?

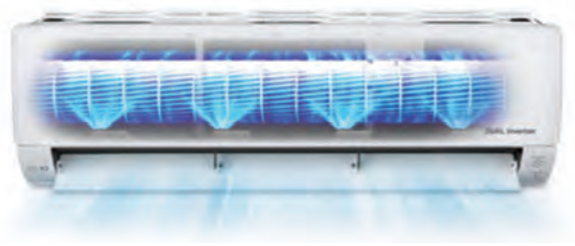
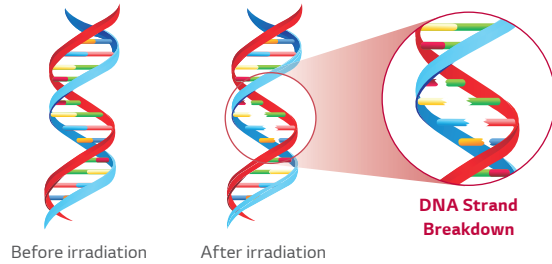
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

DNA Absorption Efficiency by Wavelength

Electromagnetic Spectrum and Types



Destruction Nuclear Sequence (Chain)



Energy Display

LG's Energy Display panel monitors the amount of energy levels used. Reduce energy consumption while enjoying a comfortable indoor environment by checking your energy level directly on the AC panel.

Specifications may vary for each model. When connected to Multi ODU, Energy Display function may not be supported.

How it Works

Magic Display & Remote Control

With the push of a button on the remote control, indoor unit's LCD display shows the current and total energy use, thus making the users aware of reducing energy consumption.



Benefit

Normal Mode

Current Setting Temp.








Electric Power

Displays Current Energy Use



SINGLE SPLIT LINE-UP

LG Electronics single split wall mount units are suited to numerous applications: bedroom, living-room, conservatory, home office / summer house, extensions and small commercial space such as local shops really anywhere that requires one room to be heated or cooled. Many unique features are offered to customers with LG wall mounted units, such as the ARTCOOL Gallery which can be personalised with your own artwork or family photos, or the Deluxe and Standard Plus with embedded Wi-Fi.

		9		12		15		18		24	
		2.6		3.5		4.2		5.3		7.0	
Wall Mounted Unit	INDOOR UNITS										
	KW										
	ARTCOOL Mirror		○●	○●	○●	○●	○●	○●	○●	○●	○●
	List Price	AC09BK.NSJ	AC12BK.NSJ	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK	AC18BK.NSK	AC24BK.NSK
		£439.00	£524.00	£719.00	£767.00	£719.00	£767.00	£719.00	£767.00	£719.00	£767.00
	Deluxe		○●	○●	○●	○●	○●	○●	○●	○●	○●
List Price	DC09RK.NSJ	DC12RK.NSJ	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK	DC18RK.NSK	DC24RH.NSK	
	£307.00	£344.00	£479.00	£600.00	£479.00	£600.00	£479.00	£600.00	£479.00	£600.00	
Standard Plus		○●	○●	○●	○●	○●	○●	○●	○●	○●	
List Price	PC09SK.NSJ	PC12SK.NSJ	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	PC18SK.NSK	PC24SK.NSK	
	£254.00	£277.00	£367.00	£491.00	£367.00	£491.00	£367.00	£491.00	£367.00	£491.00	
OUTDOOR UNITS - KW		2.6	3.5	4.2	5.3	5.3	7.0	5.3	7.0	7.0	7.0
Connecting Outdoor Unit	Mirror		○	○	○	○	○	○	○	○	
	List Price	AC09BKUA3	AC12BKUA3	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24	AC18BKUL2	AC24BKU24
		£461.00	£531.00	£728.00	£1,022.00	£728.00	£1,022.00	£728.00	£1,022.00	£728.00	£1,022.00
	Deluxe		○	○	○	○	○	○	○	○	
	List Price	DC09RKUL2	DC12RKUL2	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24	DC18RKUL2	DC24RKU24
		£506.00	£593.00	£806.00	£1,006.00	£806.00	£1,006.00	£806.00	£1,006.00	£806.00	£1,006.00
Standard Plus		○	○	○	○	○	○	○	○		
List Price	PC09SKUA3	PC12SKUA3	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24	PC18SKUL2	PC24SKU24	
	£415.00	£471.00	£660.00	£808.00	£660.00	£808.00	£660.00	£808.00	£660.00	£808.00	

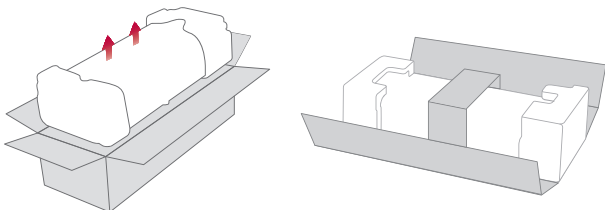
These products contains Fluorinated greenhouse gases (R32), GWP : Global warming potential of R32 is 675 (t-CO₂eq : F-gas(kg)*GWP/1000)
 S : Sleep / L : Low / M : Medium / H : High
 Specification, design and feature are subject to change without prior notice.



Quick & Easy Installation

LG air conditioner is designed for an easy and efficient installation, making it possible to install several units in a short period of time. By reducing the manpower and time required for installation, it is now possible to install more units in less time.

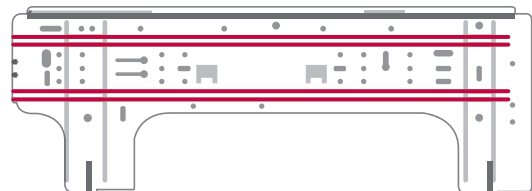
One Simple Packing Box



Conventional

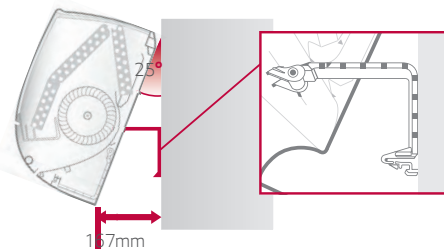
LG

LG's installation plate is larger and customised to reduce with measurements and template to save on the installation time.



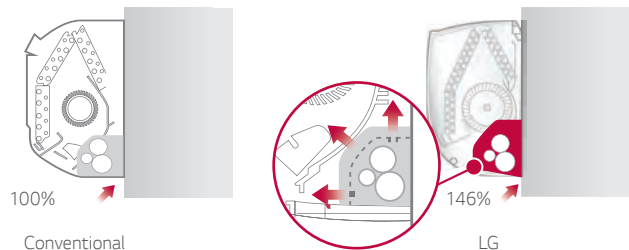
Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



Wider Tubing Space

The space provided for tubing facilitates the whole installation process and hides the unorganised parts, making it appear clean and tidy.

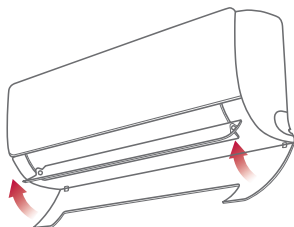


Conventional

LG

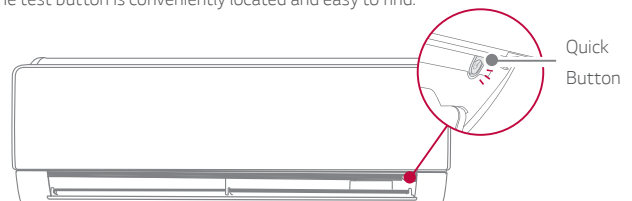
Detachable Bottom Cover

The air conditioner's bottom cover is detachable for easier installation and access.



Quick button for running test

The test button is conveniently located and easy to find.



Quick Button