R32 Wi-Fi

UV nano™ | Plasmaster® Ionizer++ | Allergy Filter | Auto Cleaning | Voice Control | Embedded Wi-Fi | Smart Diagnosis

Active Energy Control | Energy Display | Comfort Air | 4 Way Swing | Low Noise 19dB (9K, 12K) | Silent Mode | Quick & Easy Installation

Gold Fin™ | Jet Cool | Fast Heating

Dual Inverter COMPRESSOR

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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				**DC09RK NSJ**	**DC12RK NSJ**	**DC18RK NSK**	**DC24RK 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 / 3.20 / 5.00	0.89 / 4.00 / 6.00	0.90 / 5.80 / 6.40	0.90 / 7.50 / 8.64
	Heating -7°C	Rated	kW	3.20	3.50	4.20	6.00
Power Input	Cooling / Heating	Rated	W	572 / 711	933 / 976	1,562 / 1,611	2,164 / 2,238
EER			W/W	4.37	3.75	3.20	3.05
S.E.E.R.				7.90	7.60	7.00	6.90
P design C			kW	2.50	3.50	5.00	6.60
COP			W/W	4.50	4.10	3.60	3.35
S.C.O.P		(Average / Warmer)		4.60 / 5.40	4.60 / 5.40	4.30 / 5.30	4.30 / 5.30
P design H (Average / Warmer)			kW	2.80 / 1.50	2.90 / 1.50	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	111	161	250	335
	Heating	(Average / Warmer)	kWh	852 / 389	883 / 389	1,270 / 555	1,628 / 713
Sound Pressure	Cooling	S / L / M / H	dB(A)	19 / 27 / 37 / 42	19 / 27 / 37 / 42	31 / 34 / 39 / 44	31 / 34 / 42 / 47
	Heating	L / M / H	dB(A)	27 / 37 / 42	27 / 37 / 42	34 / 39 / 44	34 / 42 / 47
Sound Power	Cooling		dB(A)	60	60	60	65
Air Flow Rate	Cooling	S / L / M / H / Max. (Power)	m^3/min	3.5 / 5.5 / 9.0 / 11.0 /13.0	3.5 / 5.5 / 9.0 / 11.0 /13.0	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	6.5 / 9.0 / 11.0	6.5 / 9.0 / 11.0	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	1.00 / 2.50 / 6.00	1.00 / 4.00 / 6.00	1.20 / 6.90 / 9.00	1.20 / 9.80 / 14.00
	Heating	Min. / Rated / Max.	A	1.00 / 3.20 / 7.00	1.00 / 4.30 / 7.00	1.20 / 7.10 / 9.50	1.20 / 10.40 / 14.00
Starting Current	Cooling / Heating	Rated	A	2.50 / 3.20	4.00 / 4.30	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			N x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Dimension			mm	837 x 308 x 189	837 x 308 x 189	998 x 345 x 210	998 x 345 x 210
Net Weight			kg	9.1	9.1	11.9	12.7
Fan Motor Output			W	30	30	30	58
OUTDOOR				**DC09RK UL2**	**DC12RK UL2**	**DC18RK UL2**	**DC24RK U24**
Operation Range	Cooling	Min. / Max.	°C DB	-15 / 48	-15 / 48	-15 / 48	-15 / 48
	Heating	Min. / Max.	°C DB	-15 / 24	-15 / 24	-10 / 24	-10 / 24
Sound Pressure	Cooling / Heating	High	dB(A)	49 / 51	49 / 51	53 / 55	54 / 57
Sound Power	Cooling	High	dB(A)	65	65	65	70
Air Flow Rate		High	m^3/min	35	35	35	49
Piping	Liquid (ODU / IDU)	Min. / Max.	m	3 / 20	3 / 20	3 / 20	3 / 30
	Elevation (ODU / IDU)	Min. / Max.	m	10	10	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	0.800	0.800	1.000	1.100
			t-CO_2 eq	0.540	0.540	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	34.1	34.1	34.4	46.0
Dimension			mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288	870 x 650 x 330
ACCESSORIES & OTHERS							
Multi Compatible				Y	Y	Y	Y
PI 485				Y	Y	Y	Y
Dry Contact				Y	Y	Y	Y
Wired Remote Controller				Y	Y	Y	Y
List Price - Indoor Unit + Outdoor Unit			£	£307.00+£506.00	£344.00+£593.00	£479.00+£806.00	£600.00+£1,006.00
List Price - System Price			£	£813.00	£937.00	£1,285.00	£1,606.00

This product contains Fluorinated greenhouse gases (R32).
S : Sleep / L : Low / M : Medium / H : High
GWP : Global warming potential
t-CO_2eq : F-gas(kg)*GWP/1000
Specification, design and feature are subject to change without prior notice.

※ 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.

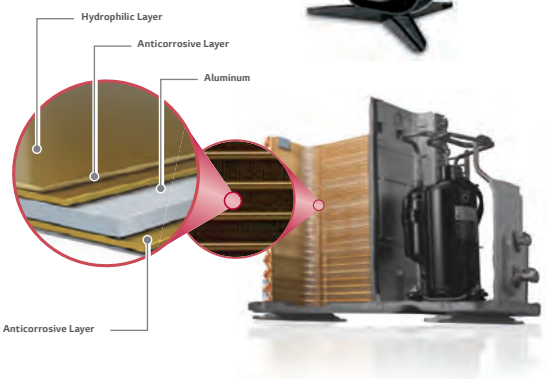
Gold Fin™

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 unitand given it a premiumn look.

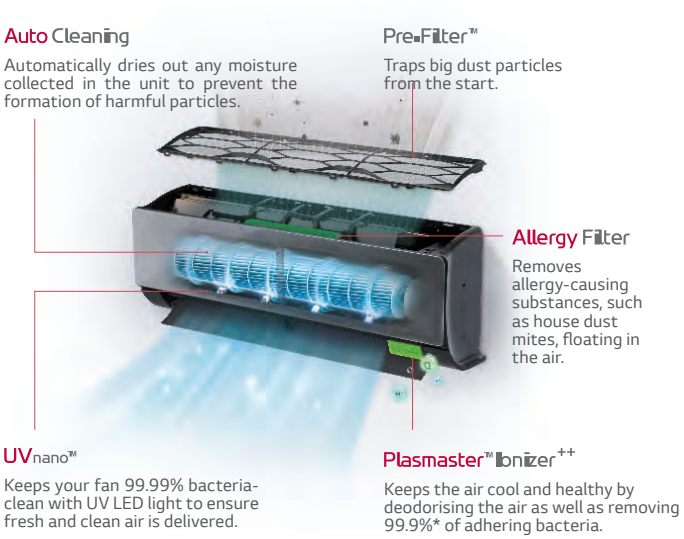


AirCare Complete System™

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

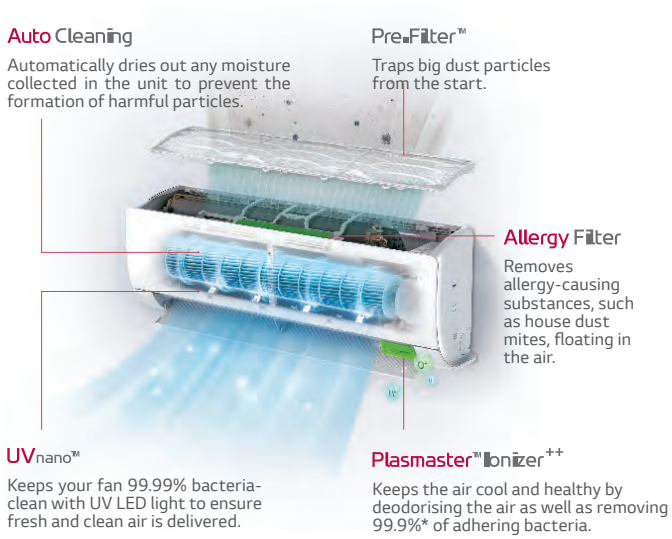
ART COOL™

MIRROR



DUALCOOL™

DELUXE

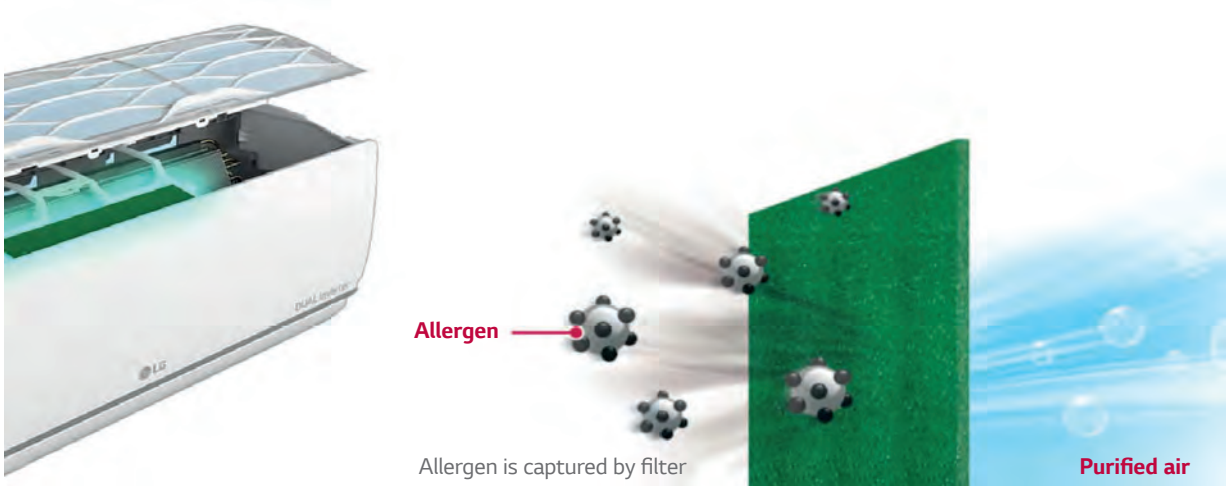


Allergy Filter

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.

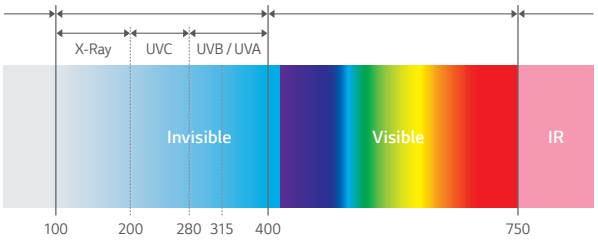
※ UVnano is an integrated marketing name that applies LG Electronics' entire home appliances and it is a compound of the words UV(ultraviolet) and nanometer (unit of length).

What is UVnano™ and How it Works?

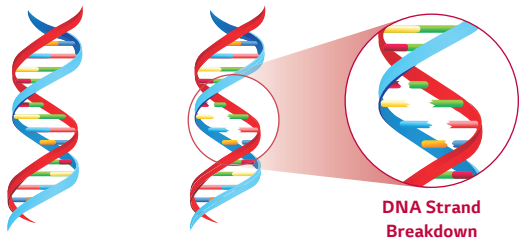
- Emit Ultraviolet rays of UVC wavelength directly damage the DNA of microorganisms (bacteria/mold/viruses) making it impossible for them to multiply.
- High absorption into DNA at 260 to 270 nm wavelengths

DNA Absorption Efficiency by Wavelength

Electromagnetic Spectrum and Types

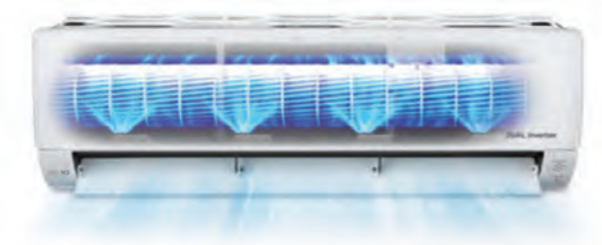


Destruction Nuclear Sequence (Chain)



Before irradiation

After irradiation



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.

Magic Display Mode

Push button for 3 sec.

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 cmall 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.

○ Single Only ○● Multi Compatible

INDOOR UNITS			9	12	15	18	24
KW			2.6	3.5	4.2	5.3	7.0
Wall Mounted Unit	ARTCOOL Mirror		○● AC09BK.NSJ	○● AC12BK.NSJ		○● AC18BK.NSK	○● AC24BK.NSK
	List Price		£439.00	£524.00		£719.00	£767.00
	Deluxe		○● DC09RK.NSJ	○● DC12RK.NSJ		○● DC18RK.NSK	○● DC24RH.NSK
	List Price		£307.00	£344.00		£479.00	£600.00
	Standard Plus		○● PC09SK.NSJ	○● PC12SK.NSJ		○● PC18SK.NSK	○● PC24SK.NSK
	List Price		£254.00	£277.00		£367.00	£491.00

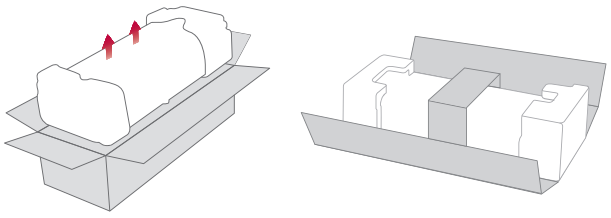
OUTDOOR UNITS - KW			2.6	3.5	4.2	5.3	7.0
Connecting Outdoor Unit	Mirror		○ AC09BK.UA3	○ AC12BK.UA3		○ AC18BK.UL2	○ AC24BK.U24
	List Price		£461.00	£531.00		£728.00	£1,022.00
	Deluxe		○ DC09RK.UL2	○ DC12RK.UL2		○ DC18RK.UL2	○ DC24RK.U24
	List Price		£506.00	£593.00		£806.00	£1,006.00
	Standard Plus		○ PC09SK.UA3	○ PC12SK.UA3		○ PC18SK.UL2	○ PC24SK.U24
	List Price		£415.00	£471.00		£660.00	£808.00

These products contains Fluorinated greenhouse gases (R32), GWP : Global warming potential of R32 is 675 (t-CO_2eq : 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

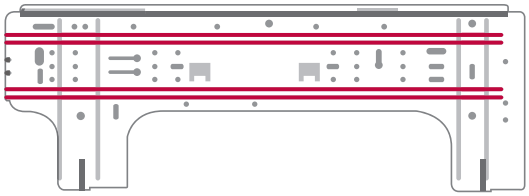
LG air conditioner is designed for an easy and efficient installation, making it possible to install several units in a short period of time.
By reducing the manpower and time required for installation, it is now possible to install more units in less time.

One Simple Packing Box

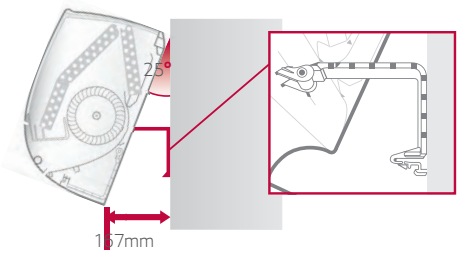


Conventional LG

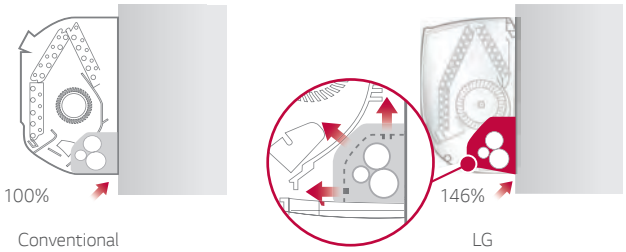
LG's installation plate is larger and customised to reduce with measurements and template to save on the installation time.



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

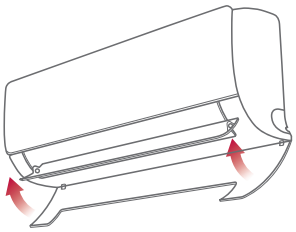


Wider Tubing Space
The space provided for tubing facilitates the whole installation process and hides the unorganised parts, making it appear clean and tidy.



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.