

A new air conditioner designed to seamlessly integrate with your senses and interior.

LG ARTCOOL™ Gallery

Premium / Special



Explore the ARTCOOL 2nd Evolution Gallery – an interior masterpiece.

Art Display (27" Full HD LCD)

Experience a 27" Full HD LCD display incorporated into the air conditioning unit. Customize the screen to suit your mood and preferences.



Wood Frame Design

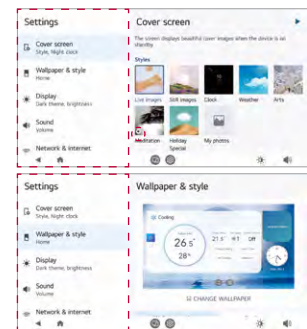
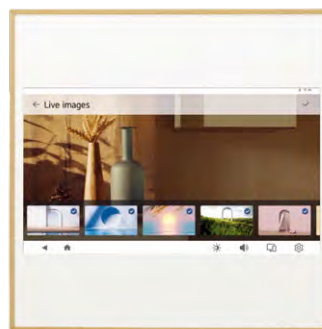
Featuring a modern and luxurious design that seamlessly harmonizes with any space.



The ARTCOOL Gallery Design has been submitted to the EU award through the international organization WIPO.

Create the interior settings using the LG ThinQ App

Choose up to 20 photos from your phone and send them to Look at Me through the ThinQ app, allowing you to view them on the air conditioner.



Low Noise

LG air conditioners operate at 19dB low noise level.

※ Specifications may vary for each model.

How It Works

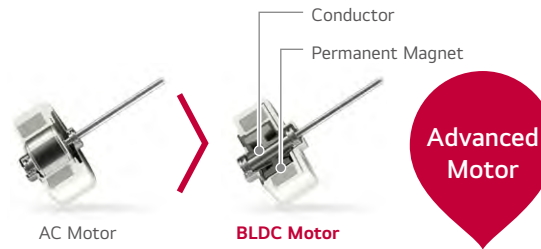
LG's Unique Skew Fan

By minimizing the surface pressure of the fan blade when in contact with the air, the noise produced by the air conditioning unit is reduced to a remarkably low level.



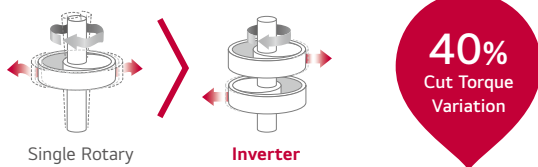
BLDC Fan Motor

With strong torque and powerful ND magnetism as well as precise speed control of 13 different steps for smooth operation, the BLDC motor provides substantial air volume and high static pressure, while keeping electrical and mechanical noise lower, and making high-speed operation available.



ALVC (Active Low Vibration Control)

A speed-error component estimates the load to compensate for imbalances, which are the primary causes of vibration and noise, enabling the rotation of the motor without vibration at low Hz levels.



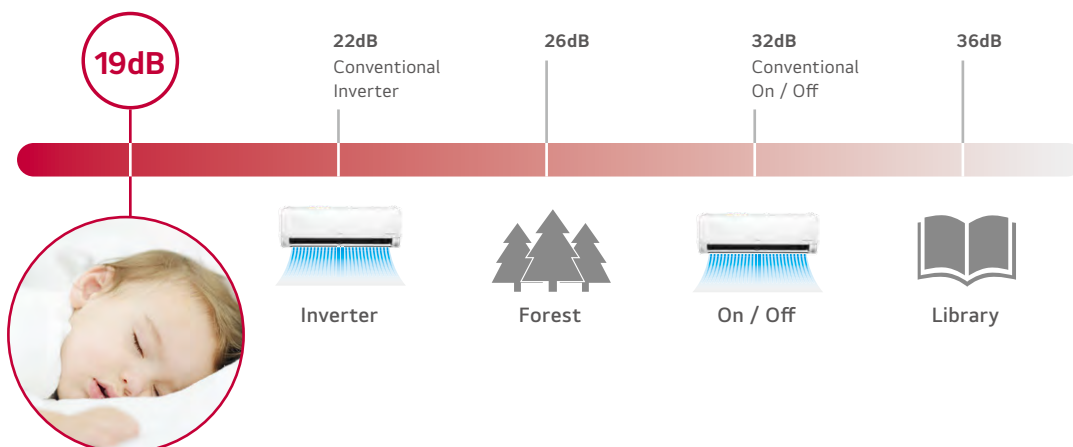
Conventional AC Motor

- Low efficiency.
- Heat problem during overhauling.
- Difficult precise speed control.

BLDC Motor

- Low electric and mechanical noise.
- Durable precise speed control.

Benefit



Fast Cooling

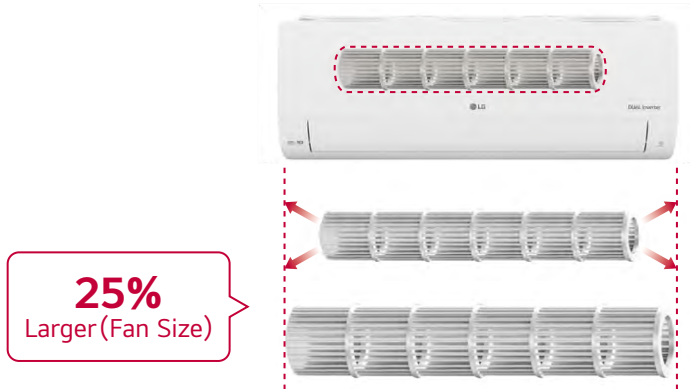
The cool airflow rapidly reaches all the corners of the room, keeping the space cool and comfortable.

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

Pain Point

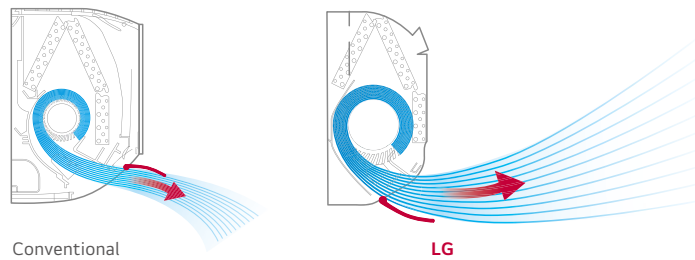
Bigger Skew Fan

Experience a 25% larger skew fan that generates highly powerful air blasts for efficient cooling.



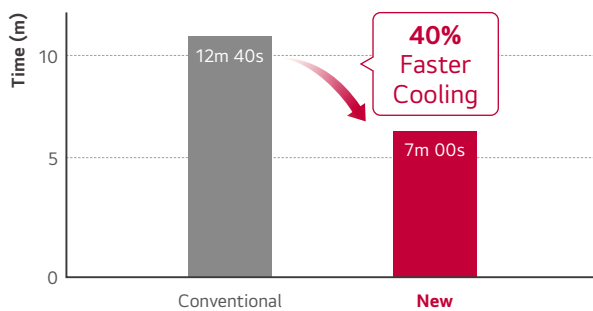
Cooling Outlet

The larger and optimally designed cooling outlet ensures broader coverage, rapidly cooling larger areas for a more comfortable environment.



Test Result

Test Result



※ 26.5°C Reach Time Comparison
 ※ Test Model
 - Conventional : TS-H2465DA0
 - New : US-Q242Kxy0
 ※ Test Conditions :
 Indoor temperature 33°C, Outdoor temperature 35°C,
 Relative humidity 60%, Setting temperature 26°C
 Test room size : 4.3 m * 7.0 m * 2.3 m



AI DUAL
Inverter™



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

Masterpiece of Your Interior: ARTCOOL Gallery Premium

Transform your space with the perfect blend of functionality and art.
The ARTCOOL 2nd Evolution Gallery seamlessly integrates style, technology, and comfort into your home.

- Stylish Design: A wood frame with an interior design aesthetic (optional black frame) elevates any room's décor.
- FHD Display: A 27-inch full HD display graces the front panel, offering dynamic customization.
- Personal Touch: Easily upload and change images or showcase your own photos via the LG ThinQ app, making it uniquely yours.
- Entertainment Hub: Enjoy videos and music with built-in 5W speakers (2 EA) for a richer experience.
- Smart Display: The air conditioner widget keeps you informed about energy usage, maintenance needs, and operational status at a glance.
- Smartphone Integration: Mirror your Android smartphone to the ARTCOOL Gallery for a larger display (Android OS only*).
- Comfort & Hygiene
- 3D Indirect Airflow & Hidden Vane Control: Provides optimal cooling without the discomfort of direct wind.
- Plasmaster™ Ionizer++: Removes 99.9% of adhering bacteria for cleaner air.
- Freeze Cleaning & Auto Clean+: Ensures the unit stays spotless with innovative cleaning modes.
- Comfort Humidity Control: Maintains a perfectly balanced environment.

With the ARTCOOL 2nd Evolution Gallery, you're not just getting an air conditioner-you're elevating your interior with a masterpiece of design and technology.

Single Combination

EFFICIENT DATA				A09GA2.SSE	A12GA2.SSE
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.6 / 3.7	0.89 / 3.7 / 4.0
	Heating	Min ~ Rated ~ Max	kW	0.89 / 3.3 / 4.1	0.89 / 4.0 / 4.7
	Heating -7 °C	Max	kW	2.6	3.2
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 623 / 1,400	200 / 1,057 / 1,450
	Heating	Min ~ Rated ~ Max	W	200 / 808 / 1,650	200 / 1,078 / 1,650
	Cooling	Min ~ Rated ~ Max	A	1.1 / 3.0 / 6.0	1.1 / 4.6 / 6.2
Running Current	Heating	Min ~ Rated ~ Max	A	1.1 / 3.7 / 7.2	1.1 / 4.8 / 7.2
			W/W	4.17	3.5
EER			-	7.3	7.0
COP			W/W	4.08	3.71
SCOP (Average / Warmer)			-	4.3 (5.0)	4.3 (5.0)
P design C / P design H			kW	2.6 / 2.8	3.7 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling		-	A++	A++
	Heating (Average/Warmer)		-	A+ (A++)	A+ (A++)
Annual Energy Consumption	Cooling		kWh	124	184
	Heating (Average/Warmer)		kWh	911 (413)	911 (413)
INDOOR UNIT				A09GA2.NSE	A12GA2.NSE
Dimensions (W × H × D)	Net		mm	652 × 158 × 652	652 × 158 × 652
	Shipping		mm	744 × 235 × 736	744 × 235 × 736
Weight	Net		kg	20	20
Air Filter Type				Prefilter (Washable)	Prefilter (Washable)
Air Flow Rate	Cooling	SH / H / M / L	m ³ /min	11.0 / 10.0 / 8.0 / 6.0	11.0 / 10.0 / 8.0 / 6.0
	Heating	SH / H / M / L	m ³ /min	11.0 / 10.0 / 8.0 / 6.0	11.0 / 10.0 / 8.0 / 6.0
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	- / 42 / 36 / 28 / 20	- / 42 / 36 / 28 / 20
	Heating	SH / H / M / L	dB(A)	- / 42 / 36 / 28	- / 42 / 36 / 28
Sound Power Level			dB(A)	60	60
Dehumidification Rate			l/h	1.1	1.3
Drain Hose Size	O.D, I.D		mm	21.5, 16	21.5, 16
OUTDOOR UNIT				A09GA2.U18	A12GA2.U18
Dimensions (W × H × D)	Net		mm	770 × 545 × 288	770 × 545 × 288
	Shipping		mm	920 × 593 × 388	920 × 593 × 388
Weight	Net		kg	29.9	29.9
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	Rated	dB(A)	50	50
Level	Heating	Rated	dB(A)	53	53
Sound Power Level			dB(A)	62	62
Air Flow Rate		Max	m ³ /min	35.0	35.0
Circuit Breaker			A	15	15
Power Supply Cable			No. × mm ²	3 × 1.0	3 × 1.0
Power and Communication Cable			No. × mm ²	4 × 1.0 (Including Earth)	4 × 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO ₂ eq		kg	0.8 / 0.540	0.8 / 0.540
	Chargeless		m	10.0	10.0
	Additional Charge		g/m	20	20
Piping	Size	Liquid	mm	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 9.52
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	10.0	10.0
	Max. Elevation Difference		m	10.0	10.0
Compressor	Type		-	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.

※ 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

※ Y : Available or Applied / - : Not Available or Not Applied

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



Designed Air Conditioner to Fit Perfectly into Anywhere

- ARTCOOL 2nd Evolution ARTCOOL GALLERY SPECIAL to seamlessly integrate with your senses and interior
- Wood frame, Interior design style (Black frame is option)
- Easily change images and display your own style
- Air Flow : 3D Indirect Air Flow, Hidden Vane Control, Plasmaster™ Ionizer++
- Comfort Humidity Control, Freeze Cleaning, Auto Clean+



AI DUAL Inverter™



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

Single Combination

EFFICIENT DATA				A09GA1.SSE	A12GA1.SSE
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.89 / 2.6 / 3.7	0.89 / 3.7 / 4.0
	Heating	Min ~ Rated ~ Max	kW	0.89 / 3.3 / 4.1	0.89 / 4.0 / 4.7
	Heating -7 °C	Max	kW	2.6	3.2
Power Input	Cooling	Min ~ Rated ~ Max	W	200 / 623 / 1,400	200 / 1,057 / 1,450
	Heating	Min ~ Rated ~ Max	W	200 / 808 / 1,650	200 / 1,078 / 1,650
Running Current	Cooling	Min ~ Rated ~ Max	A	1.1 / 3.0 / 6.0	1.1 / 4.6 / 6.2
	Heating	Min ~ Rated ~ Max	A	1.1 / 3.7 / 7.2	1.1 / 4.8 / 7.2
EER			W/W	4.17	3.5
SEER			-	7.3	7.0
COP			W/W	4.08	3.71
SCOP (Average / Warmer)			-	4.3 (5.0)	4.3 (5.0)
P design C / P design H			kW	2.6 / 2.8	3.7 / 2.8
Energy Label Grade (A+++ to D Scale)	Cooling		-	A++	A++
	Heating (Average / Warmer)		-	A+ (A++)	A+ (A++)
Annual Energy Consumption	Cooling		kWh	124	184
	Heating (Average / Warmer)		kWh	911 (413)	911 (413)
INDOOR UNIT				A09GA1.NSE	A12GA1.NSE
Dimensions (W × H × D)	Net		mm	652 × 158 × 652	652 × 158 × 652
	Shipping		mm	744 × 235 × 736	744 × 235 × 736
Weight	Net		kg	16.7	16.7
Air Filter Type				Prefilter (Washable)	Prefilter (Washable)
Air Flow Rate	Cooling	SH / H / M / L	m³/min	11.0 / 10.0 / 8.0 / 6.0	11.0 / 10.0 / 8.0 / 6.0
	Heating	SH / H / M / L	m³/min	11.0 / 10.0 / 8.0 / 6.0	11.0 / 10.0 / 8.0 / 6.0
Sound Pressure Level	Cooling	SH / H / M / L / SL	dB(A)	- / 42 / 36 / 28 / 20	- / 42 / 36 / 28 / 20
	Heating	SH / H / M / L	dB(A)	- / 42 / 36 / 28	- / 42 / 36 / 28
Sound Power Level			dB(A)	60	60
Dehumidification Rate			l/h	1.1	1.3
Drain Hose Size	O.D. I.D		mm	21.5, 16	21.5, 16
OUTDOOR UNIT				A09GA1.U18	A12GA1.U18
Dimensions (W × H × D)	Net		mm	770 × 545 × 288	770 × 545 × 288
	Shipping		mm	920 × 593 × 388	920 × 593 × 388
Weight	Net		kg	29.9	29.9
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Sound Pressure Level	Cooling	Rated	dB(A)	50	50
	Heating	Rated	dB(A)	53	53
Sound Power Level			dB(A)	62	62
Air Flow Rate	Max		m³/min	35.0	35.0
Circuit Breaker			A	15	15
Power Supply Cable			No. × mm²	3 × 1.0	3 × 1.0
Power and Communication Cable			No. × mm²	4 × 1.0 (Including Earth)	4 × 1.0 (Including Earth)
	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO ₂ eq		kg	0.8 / 0.540	0.8 / 0.540
	Chargeless		m	10.0	10.0
Piping	Size	Liquid	mm	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 9.52
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	10.0	10.0
	Max. Elevation Difference		m	10.0	10.0
Compressor	Type		-	Inverter Twin Rotary	Inverter Twin Rotary
ACCESSORIES & OTHERS					
Multi Compatible				Y	Y
PI 485				Y	Y
Dry Contact				Y	Y
Wired Remote Controller				Y	Y

* : Sound Pressure is not a value declared on Eurovent Program.

※ 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

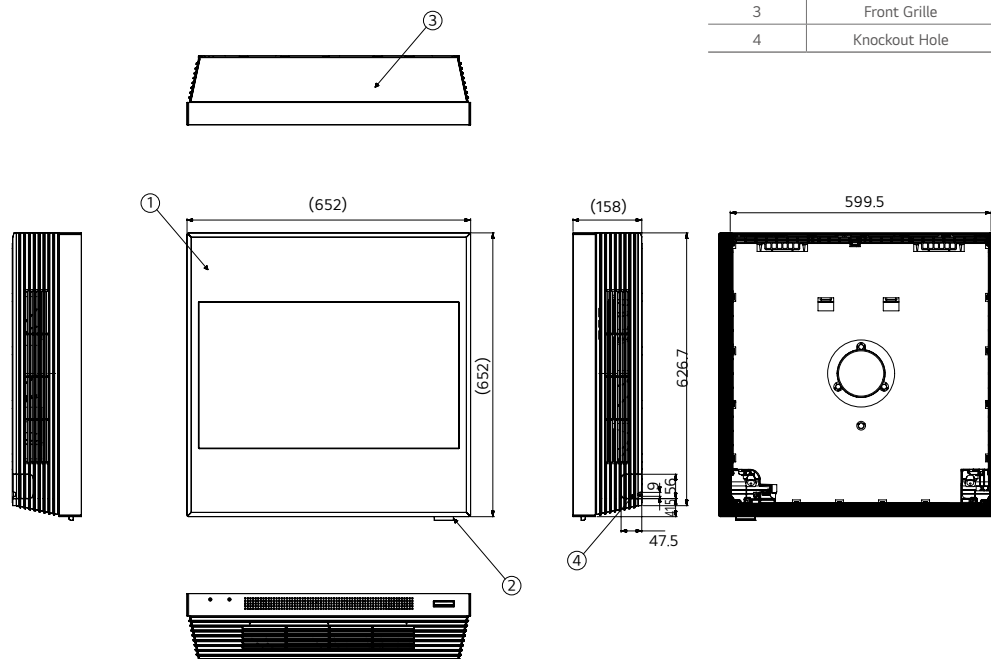
※ Y : Available or Applied / - : Not Available or Not Applied

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

A09GA2.NSE / A12GA2.NSE / A09GA1.NSE / A12GA1.NSE

(Unit : mm)

ITEM NO.	PART NAME	REMARK
1	Inlet Grille	
2	Signal Receiver	
3	Front Grille	
4	Knockout Hole	For Pipe and Cable



AC09BK.NSJ / AC12BK.NSJ / AB09BK.NSJ / AB12BK.NSJ

(Unit : mm)

ITEM NO.	PART NAME	REMARK
1	Front Panel	
2	Display & Signal Receiver	
3	Air Filter	
4	Knockout Hole	For Pipe and Cable

