Mobile LGMV (Monitoring View)

LGMV simplifies the inspection (diagnosis) and monitoring of air conditioning units for engineers, allowing easy access through your smartphone or PC.

PC Version

LGMV Module (for Service)



PC Based LGMV (for Service)



Operation Information



Cycle View

- IDU & ODU Information
- Cycle & Valves
- Sensors & Electricity
- Cycle Diagram
- Actuator Information

Smartphone Version



Install / SVC Engineer



Mobile LGMV

Wi-Fi



Wi-Fi MV Module







Monitoring Data



Diagnosis



Commissioning



Troubleshooting Guide

Technicians can not only review cycle information through diagrams and graphs but can also easily check error statuses (troubleshooting guide) and take immediate action.

※ For Android or iOS Users : Search for "Mobile LGMV" on Google Play or the Apple Store and proceed with the download.
※ Additional Requirement : A Wi-Fi modem (PWFMDD202) is required as an optional accessory.

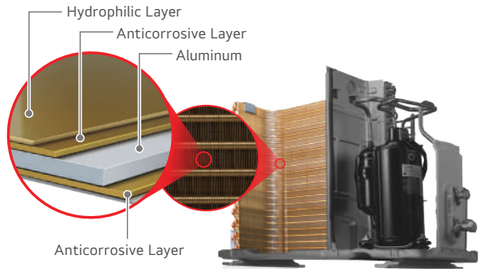
Gold Fin™

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

How It Works

Corrosion-resistant Protective Layer

The gold-colored special coating on the fin of the heat exchanger prevents corrosion, extending the life of the unit.



※ Depending on the experimental conditions.

Test Result

Conventional Fin



Gold Fin™



※ Test Condition
- Test Standard : ISO9227:2017, ISO10289:1999, ASTM B 117 Salt spray test
- Test Sample : Al Fin sheet (100 μm, 70 X 150 mm) + Organic Coating (1.65 g/m²)
- Setting Condition : (35±2)℃, 6.5 ~ 7.2 pH, (5±1)% NaCl salt fog spray, 5,000 h
- Test Result : Not More than 0.05% of corrosion area ratio. (over R.N. 9.5)



TÜVRheinland®

TUV Verify that the corrosion improved "Gold II Fin" has less than 0.05% corrosion area after 5000 hours salt spray test. TUV has verified that the corrosion area of Gold Fin™ is not more than 0.05% (over R.N. 9.5)

※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.
※ Specifications may vary for each model.



Wi-Fi

R32

DUAL Inverter HeatPump

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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Masterpiece of Your Interior : ARTCOOL Gallery Premium

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

- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- Stylish Design : A wood frame with an interior design aesthetic (option : 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.
- Smart Display : The air conditioner widget keeps you informed about energy usage, maintenance needs, and operational status at a glance.
- 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.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

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

SET UNIT				A09GA2S.EEU	A12GA2S.EEU
Cooling	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 2.6 ~ 3.7	0.89 ~ 3.7 ~ 4.0
	Power Input	Min ~ Rated ~ Max	W	200 ~ 623 ~ 1,400	200 ~ 1,057 ~ 1,450
	Running Current	Min ~ Rated ~ Max	A	1.1 ~ 3.0 ~ 6.0	1.1 ~ 4.6 ~ 6.2
	EER		W/W	4.17	3.5
	SEER		-	7.3	7.0
	Pdesign C		kW	2.6	3.7
	Energy Label Grade (A+++ to D Scale)		-	A++	A++
	Annual Energy Consumption		kWh	124	184
Heating	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 3.3 ~ 4.1	0.89 ~ 4.0 ~ 4.7
		Max (-7°C)	kW	2.6	3.2
	Power Input	Min ~ Rated ~ Max	W	200 ~ 808 ~ 1,650	200 ~ 1,078 ~ 1,650
	Running Current	Min ~ Rated ~ Max	A	1.1 ~ 3.7 ~ 7.2	1.1 ~ 4.8 ~ 7.2
	COP		W/W	4.08	3.71
	SCOP (Average / Warmer)	Average (Warmer)	-	4.3 (5.0)	4.3 (5.0)
	Pdesign H		kW	2.8	2.8
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A+ (A++)	A+ (A++)
	Annual Energy Consumption	Average (Warmer)	kWh	911 (413)	911 (413)
INDOOR UNIT				**A09GA2N.EEU**	**A12GA2N.EEU**
Dimensions (W x H x D)		Net	mm	652 x 158 x 652	652 x 158 x 652
		Shipping	mm	744 x 235 x 736	744 x 235 x 736
Weight		Net	kg	20	20
Air Filter Type				Pre Filter (Washable)	Pre Filter (Washable)
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0	6.0 / 8.0 / 10.0 / 11.0
	Heating	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0	6.0 / 8.0 / 10.0 / 11.0
Sound Pressure Level*	Cooling	SL / L / M / H / SH	dB(A)	20 / 28 / 36 / 42 / -	20 / 28 / 36 / 42 / -
	Heating	L / M / H / SH	dB(A)	28 / 36 / 42 / -	28 / 36 / 42 / -
Sound Power Level			dB(A)	60	60
Moisture Removal			l/h	1.1	1.3
Drain Hose Size		O.D, I.D	mm	21.5 , 16	21.5 , 16
OUTDOOR UNIT				**A09GA2U.EEU**	**A12GA2U.EEU**
Dimensions (W x H x D)		Net	mm	770 x 545 x 288	770 x 545 x 288
		Shipping	mm	920 x 593 x 388	920 x 593 x 388
Weight		Net	kg	29.9	29.9
Air Flow Rate		Max	m^3/min	35.0	35.0
Sound Pressure Level*	Cooling	Rated	dB(A)	50	50
	Heating	Rated	dB(A)	53	53
Sound Power Level		Rated	dB(A)	62	62
Operation Range	Cooling		℃DB	-15 ~ 48	-15 ~ 48
	Heating		℃DB	-15 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Circuit Breaker			A	15	15
Power Supply Cable			No. x mm^2	3 x 1.0	3 x 1.0
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO_2eq		kg	0.8 / 0.540	0.8 / 0.540
	Chargeless		m	10.0	10
	Additional Charge		g/m	20	20
Piping	Size	Liquid	mm	Ø 6.35	Ø 6.35
		Gas	mm	Ø 9.52	Ø 9.52
Piping Connection	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	10	10
	Max. Elevation Difference		m	10	10
Compressor	Type		-	DUAL Inverter HeatPump	DUAL Inverter HeatPump
ACCESSORIES & OTHERS					
Multi Compatible				Yes	Yes
PI485				Yes	Yes
Dry Contact				Yes	Yes
Wired Remote Controller				Yes	Yes

* : 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-CO_2eq : F-gas(kg)*GWP/1,000
※ Y : Available or Applied / - : Not Available or Not Applied
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Wi-Fi R32 R410A



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- 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.
- Auto Clean+ : Ensures the unit stays spotless with innovative cleaning modes.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

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.

Multi Combination

INDOOR				A09GA2N.EEU
Capacity	Cooling	Rated	W	2,600
	Heating	Rated	W	3,300
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	20 / 28 / 36 / 42 / -
	Heating	L / M / H / SH	dB(A)	28 / 36 / 42 / -
Sound Power	Cooling	Power	dB(A)	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
	Heating	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)
Weight		Net	kg	20
Air Filter Type				Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	652 x 158 x 652
ACCESSORIES & OTHERS				
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				A12GA2N.EEU
Capacity	Cooling	Rated	W	3,700
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	20 / 28 / 36 / 42 / -
	Heating	L / M / H / SH	dB(A)	28 / 36 / 42 / -
Sound Power	Cooling	Power	dB(A)	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
	Heating	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)
Weight		Net	kg	20
Air Filter Type				Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	652 x 158 x 652
ACCESSORIES & OTHERS				
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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※ GWP : Global Warming Potential
※ t-CO_2eq : F-gas(kg)*GWP/1000
※ Y : Available or Applied / - : Not Available or Not Applied
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Wi-Fi R32 R410A



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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++
- Auto Clean+

Multi Combination

INDOOR				A09GA1.NSE
Capacity	Cooling	Rated	W	2,600
	Heating	Rated	W	3,300
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	20 / 28 / 36 / 42 / -
	Heating	L / M / H / SH	dB(A)	28 / 36 / 42 / -
Sound Power	Cooling	Power	dB(A)	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
	Heating	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
Dehumidification Rate			l/h	1.1
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)
Weight		Net	kg	16.7
Air Filter Type				Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	652 x 158 x 652
ACCESSORIES & OTHERS				
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

INDOOR				A12GA1.NSE
Capacity	Cooling	Rated	W	3,700
	Heating	Rated	W	4,000
Sound Pressure*	Cooling	SL / L / M / H / SH	dB(A)	20 / 28 / 36 / 42
	Heating	L / M / H / SH	dB(A)	28 / 36 / 42
Sound Power	Cooling	Power	dB(A)	60
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
	Heating	L / M / H / SH	m^3/min	6.0 / 8.0 / 10.0 / 11.0
Dehumidification Rate			l/h	1.3
Power Supply			Ø / V / Hz	1 / 220 - 240 / 50
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)
Weight		Net	kg	16.7
Air Filter Type				Pre Filter (Washable)
Dimensions (W x H x D)		Net	mm	652 x 158 x 652
ACCESSORIES & OTHERS				
Wall Type Single Split Compatible				Y
Commercial Single Split Compatible				-
Dry Contact				Y
Wired Remote Controller				Y
ThinQ (Embedded Wi-Fi)				Y

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