

Wi-Fi

R32

Designed Air Conditioner to Fit Perfectly into Anywhere

- ARTCOOL 2nd Evolution ARTCOOL Gallery Special to seamlessly integrate with your senses and interior.
- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- 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+.

DUAL Inverter Heat Pump

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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Single Combination

SET UNIT				A09GA1.SSE	A12GA1.SSE
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				**A09GA1.NSE**	**A12GA1.NSE**
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	16.7	16.7
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				**A09GA1.U18**	**A12GA1.U18**
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	35
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		°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
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	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
※ For our policy of continuous product improvement, specification, design and feature are subject to change without prior notice.

Wi-Fi

R32

AI Air



AI-advanced Care with Your Interior and Lower Energy Consumption

- ThinQ UP / Pre-Cool & Heat by ThinQ App.
- AI Air adapts airflow with radar sensors for optimal comfort.
- Soft Air and DUAL Vane deliver gentle, tailored cooling.
- When Soft Air is activated, the airflow comes out in three directions. (Front, Right, Left)
- Comfort Humidity Control ensures a perfectly balanced environment.
- High SEER provides top performance with lower energy consumption.
- KW Manager adjusts operations based on your energy-saving goals.
- Proactive features like Human Detection and Window Open Detection reduce energy waste.
- All Cleaning, Auto Clean+, Plasmaster™ Ionizer++, and Allergy Filter ensure hygienic air.
- Sleep Timer+ analyzes usage patterns for better nighttime comfort.
- Low Heating protects your home from freezing temperatures.
- ThinQ UP function is available. (Download new features, functionalities and so on via ThinQ App)

AI DUAL Inverter™ HeatPump

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Single Combination

SET UNIT				AA09SP.SS1	AA12SP.SS1	AA18SP.SS1
Cooling	Capacity	Min ~ Rated ~ Max	kW	0.89 ~ 2.5 ~ 4.0	0.89 ~ 3.5 ~ 4.35	0.9 ~ 5.0 ~ 5.5
	Power Input	Min ~ Rated ~ Max	W	160 ~ 510 ~ 1,400	160 ~ 815 ~ 1,500	210 ~ 1,545 ~ 1,940
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.1 ~ 6.0	1.3 ~ 3.75 ~ 6.5	1.6 ~ 6.9 ~ 9.0
	EER		W/W	4.9	4.29	3.24
	SEER		-	9.7	9.5	7.0
	Pdesign C		kW	2.5	3.5	5.0
	Energy Label Grade (A+++ to D Scale)		-	A+++	A+++	A++
	Annual Energy Consumption		kWh	90	129	250
Heating	Capacity	Min ~ Rated ~ Max	kW	0.65 ~ 3.2 ~ 5.5	0.65 ~ 4.0 ~ 6.0	0.9 ~ 5.8 ~ 6.4
		Max (-7°C)	kW	3.6	4.0	4.65
	Power Input	Min ~ Rated ~ Max	W	160 ~ 640 ~ 1,600	160 ~ 850 ~ 1,750	210 ~ 1,560 ~ 2,000
	Running Current	Min ~ Rated ~ Max	A	1.3 ~ 3.2 ~ 7.0	1.3 ~ 4.0 ~ 7.5	1.6 ~ 7.0 ~ 9.5
	COP		W/W	5.0	4.71	3.72
	SCOP (Average / Warmer)	Average (Warmer)	-	5.1 (6.1)	5.1 (6.1)	4.3 (5.6)
	Pdesign H		kW	2.8	2.8	3.9
	Energy Label Grade (A+++ to D Scale)	Average (Warmer)	-	A+++ (A+++)	A+++ (A+++)	A+ (A+++)
	Annual Energy Consumption	Average (Warmer)	kWh	769 (344)	769 (344)	1,270 (534)
INDOOR UNIT				**AA09SP.NS1**	**AA12SP.NS1**	**AA18SP.NS1**
Dimensions (W x H x D)		Net	mm	935 x 307 x 235	935 x 307 x 235	935 x 307 x 235
		Shipping	mm	1,007 x 383 x 296	1,007 x 383 x 296	1,007 x 383 x 296
Weight		Net	kg	13.7	13.7	13.7
Air Filter Type				Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)	Allergy Filter / Pre Filter (Washable)
Air Flow Rate	Cooling	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 13.6	5.7 / 8.1 / 10.5 / 13.6	7.0 / 9.9 / 11.7 / 13.6
	Heating	L / M / H / SH	m^3/min	5.7 / 8.1 / 10.5 / 14.2	5.7 / 8.1 / 10.5 / 14.2	7.0 / 9.9 / 11.7 / 14.2
Sound Pressure Level*	Cooling	SL / L / M / H / SH	dB(A)	19 / 27 / 35 / 40 / 47	19 / 27 / 35 / 40 / 47	29 / 34 / 39 / 44 / 49
	Heating	L / M / H / SH	dB(A)	27 / 35 / 40 / 48	27 / 35 / 40 / 48	34 / 39 / 44 / 50
Sound Power Level			dB(A)	60	60	60
Moisture Removal			l/h	1.15	1.3	1.8
Drain Hose Size		O.D, I.D	mm	21.5 , 16	21.5 , 16	21.5 , 16
OUTDOOR UNIT				**AA09SP.U18**	**AA12SP.U18**	**AA18SP.U18**
Dimensions (W x H x D)		Net	mm	770 x 545 x 288	770 x 545 x 288	770 x 545 x 288
		Shipping	mm	919 x 599 x 392	919 x 599 x 392	919 x 599 x 392
Weight		Net	kg	29.9	29.9	32.5
Air Flow Rate		Max	m^3/min	35	35	35
Sound Pressure Level*	Cooling	Rated	dB(A)	49	49	53
	Heating	Rated	dB(A)	51	51	55
Sound Power Level		Rated	dB(A)	60	60	65
Operation Range	Cooling		°C DB	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating		°C DB	-20 ~ 24	-20 ~ 24	-15 ~ 24
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Circuit Breaker			A	15	15	20
Power Supply Cable			No. x mm^2	3 x 1.0	3 x 1.0	3 x 1.5
Power and Communication Cable			No. x mm^2	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)	4 x 1.0 (Including Earth)
Refrigerant	Type / GWP (Global Warming Potential)		-	R32 / 675	R32 / 675	R32 / 675
	Pre Charged Amount / t-CO_2eq		kg	0.9 / 0.608	0.9 / 0.608	1.13 / 0.763
	Chargeless		m	12.5	12.5	7.5
	Additional Charge		g/m	20	20	20
Piping	Size	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35
		Gas	mm	Ø 9.52	Ø 9.52	Ø 12.70
Piping Connection	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20	3 / 7.5 / 20	3 / 7.5 / 20
		No Charge (Chargeless)	m	12.5	12.5	7.5
	Max. Elevation Difference		m	10	10	10
Compressor	Type		-	DUAL Inverter HeatPump	DUAL Inverter HeatPump	DUAL Inverter HeatPump
ACCESSORIES & OTHERS						
Multi Compatible				Yes	Yes	Yes
PI485				Yes	Yes	Yes
Dry Contact				Yes	Yes	Yes
Wired Remote Controller				Yes	Yes	Yes

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Wi-Fi R32 R410A



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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.

- 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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- 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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