

Life's Good.

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LG DUALCOOL® AI

LG Subscribe™

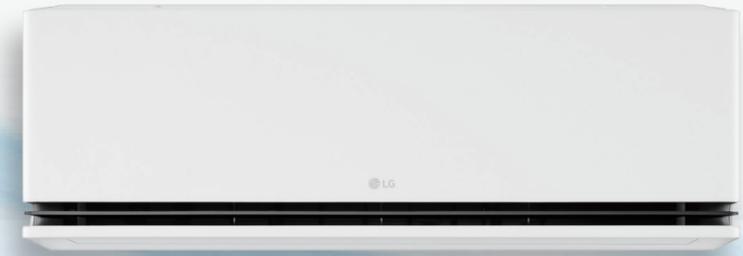
Subscribe to a better life



Life's Good.

Intelligent cooling perfectly tuned

LG DUALCOOL® AI



AI Comfort Control

AI Air continuously optimizes airflow using LG ThinQ® app according to your preferences.



Soft Air

Indirect airflow keeps you comfortable without direct contact.

DUAL Vane

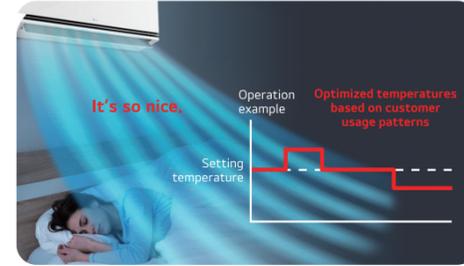
Cool air flows from above, warm air rises from below. No direct wind exposure.



Cooling Performance Speed



Air Flow Distance



Sleep Timer+

AI learns your sleep rhythm to create a custom environment.



LG ThinQ®

Integrated Home Appliances Control

Control / Monitor all your LG appliances from one place using Android or iOS based smartphones.



Access your air conditioner anytime and from anywhere

with a Wi-Fi equipped device and LG's exclusive control app, LG ThinQ®



Download the 'LG ThinQ®' app from Google Play Store or Apple App Store.



Hygienic Air Care

A multi-step filtration process, making sure the air you breathe is always fresh.



Auto Clean+

Dries the inside automatically.



Plasmaster™ Ionizer++

Remove 99.9%* of adhering bacteria.



Pre-Filter

Traps big dust particles.



Allergy Filter

Reduce Allergens allergy.



*Detailed disclaimers apply.

*The LGE's ionizer, known as "Plasmaster Ionizer++," has demonstrated the capability to remove more than 99.9% of bacteria, including Escherichia coli, Pseudomonas aeruginosa, and Staphylococcus aureus. Dependent on the experimental conditions.



Hassle Free Regular Visit Maintenance Process

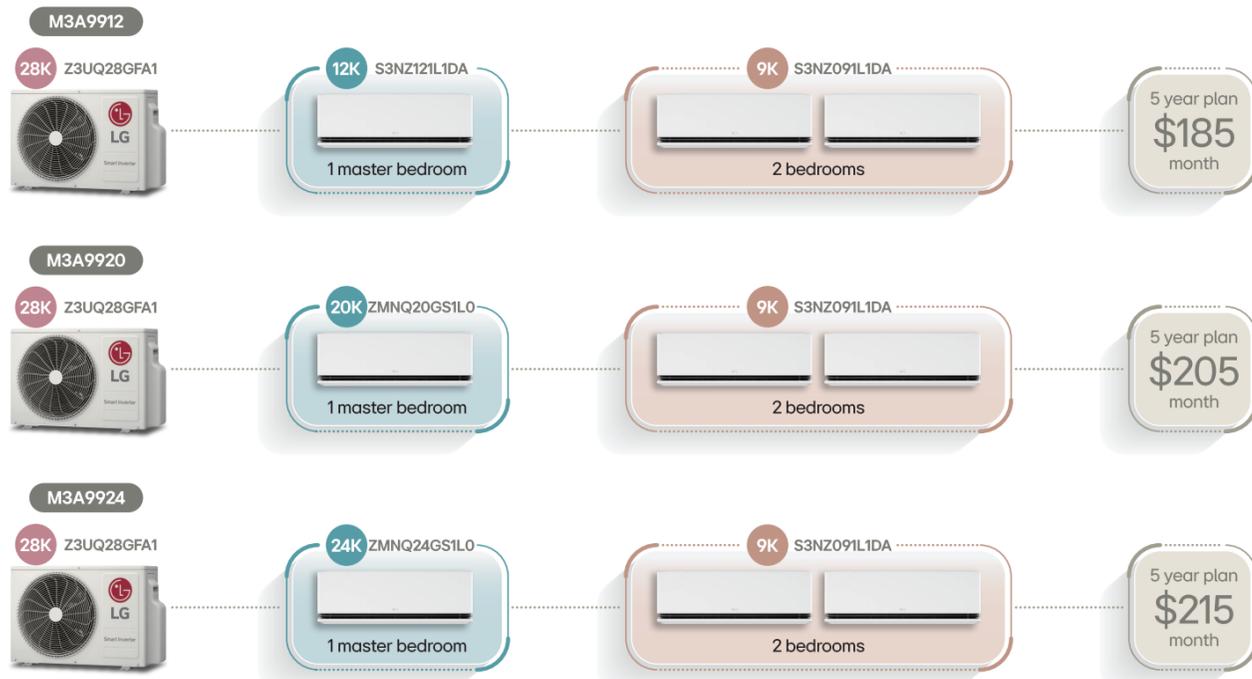
Keep cool without the hassle! Our LG Air Conditioner maintenance service ensures worry-free comfort, with expert care to keep your AC running smoothly all year round.

Regular visits*
for
5
Years

Service Frequency
Once Every
6
Months

Multi Split System 3

LG DUALCOOL® AI Ionizer Wi-Fi



Multi Split System 4

LG DUALCOOL® AI Ionizer Wi-Fi



1. Briefing & Explanation
Explain process and estimate maintenance duration to client.

2. Test Run & Diagnosis
Do a quick test run and diagnose with LG AC Smart Diagnose App.

*The product condition checking method can include various approaches, such as using SDS.

3. Disassembly
Disassemble key parts, including decor, filters, motor cover, cross-flow fan, and heat exchanger thermistor for cleaning.

4. Washing
Assemble canvas, shield vital components and clean with high-pressure water jet.

5. Cleaning & Sanitising
Cleaning and UV sanitising the indoor unit.

6. Drying
Dry up before assemble.

7. Reassembly
Reassemble all the parts completely after cleaning.

8. Outdoor Cleaning
Clean the outdoor fan and heat exchanger with a high-pressure water jet to eliminate dust and grime.

9. Explanation & Complete
Brief & explain to customer regarding product information.

*There will be a total number of 10 visits (2 visits per year) during the subscription period (5 years). Images are for demonstration purposes only. LG reserves the right to modify the maintenance process without prior notice.

Multi Split

S3NZ091L1DA / S3NZ121L1DA / ZMNQ20GS1L0 / ZMNQ24GS1L0



LG DUALCOOL AI Ionizer Wi-Fi

Category		Unit	S3NZ091L1DA	S3NZ121L1DA	ZMNQ20GS1L0	ZMNQ24GS1L0
Major	Minor					
Classification	Chassis	-	S1 (AI air)	S1 (AI air)	S1 (AI air)	S1 (AI air)
Cooling Capacity	Rated	kW	2.6	3.5	6.0	6.45
		Btu/h	9,000	12,000	20,500	22,000
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 - 264	198 - 264	198 - 264	198 - 264
Power Input (Indoor)	H / M / L	W	20 / 18 / 16	25 / 20 / 16	40 / 25 / 20	50 / 35 / 20
Running Current	Maximum Running Current	A	0.15	0.20	0.30	0.40
Running Current (Indoor)	H / M / L	A	0.15 / 0.12 / 0.10	0.20 / 0.14 / 0.10	0.30 / 0.20 / 0.15	0.40 / 0.30 / 0.15
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling (SH) / H / M / L)	m ³ /min	- / 9.5 / 7.6 / 5.7	- / 10.5 / 8.1 / 5.7	- / 14.0 / 12.0 / 10.5	- / 15.0 / 13.0 / 10.5
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal	Internal
	Output	W	30	30	30	30
		No.	1	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 16 x 21			
	No.	-	1	1	1	1
	Face Area	m ²	0.23	0.23	0.23	0.23
Dimensions	Net (W x H x D)	mm	895 x 307 x 235			
	Shipping (W x H x D)	mm	967 x 383 x 296			
Weight	Net	kg	10.6	10.6	10.8	10.8
	Shipping	kg	12.5	12.5	12.7	12.7
Exterior	Color	-	Munsell 7.5P 9/2	Munsell 7.5P 9/2	Munsell 7.5P 9/2	Munsell 7.5P 9/2
	RAL (Classic)	-	RAL 9003	RAL 9003	RAL 9003	RAL 9003
Protection Device	Fuse	-	0	0	0	0
	Overload Protector for Fan Motor	-	0	0	0	0
Refrigerant	Type	-	R32	R32	R32	R32
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø 21.5 (27/32) / 16 (5/8)			
	Liquid	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Piping Connection	Gas	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Liquid (Indoor Unit)	mm (inch)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)	Ø 6.35 (1/4)
Pipe Connecting Socket	Gas (Indoor Unit)	mm (inch)	Ø 9.52 (3/8)	Ø 9.52 (3/8)	Ø 12.7 (1/2)	Ø 12.7 (1/2)
	Connection Type (Liquid)	-	Flare	Flare	Flare	Flare
	Connection Type (Gas)	-	Flare	Flare	Flare	Flare
Sound Pressure Level (Indoor Unit)	Cooling ((SH) / H / M / L)	dB(A)	- / 36 / 33 / 30	- / 40 / 35 / 30	- / 45 / 40 / 34	- / 47 / 42 / 34
Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication Cable (H07RN-F)	mm ² x cores	1 x 4C	1 x 4C	0.75 x 4C	0.75 x 4C
Power Supply Type to Indoor		-	Supplied from ODU	Supplied from ODU	Supplied from ODU	Supplied from ODU
Electrical Characteristic	Indoor Fan Motor_Full Load Amperes (FLA)	A	0.15	0.20	0.30	0.40

Multi Split

Z3UQ28GFA1 / Z4UQ34GFA1



Category		Unit	Z3UQ28GFA1	Z4UQ34GFA1
Major	Minor			
Classification	Chassis	-	U24A	U24A
Power Supply	#1	-	220 - 240, 1, 50	220 - 240, 1, 50
	Limit Range of Voltage (#1)	V	198 - 264	198 - 264
Testing Combination	-	Model x No.	S3NZ091L1DA x 3	S3NZ091L1DA x 4
Cooling Capacity	Rated	kW	6.80	7.80
		Btu/h	23,200	26,600
	Min - Max	kW	1.18 - 8.94	1.18 - 10.80
		Btu/h	4,000 - 30,500	4,000 - 36,900
Power Input (Cooling)	Rated	kW	1.39	1.56
	Min - Max	kW	0.23 - 2.32	0.31 - 2.97
	EER	W/W	4.90	5.00
Efficiency	WCOP	W/W	6.01	6.10
	Energy Label (Cooling)	-	5-tick	5-tick
Running Current (Cooling)	Rated	A	6.3	7.1
	Min / Max	A	1.00 / 10.50	1.40 / 13.50
Running Current	Maximum Running Current	A	14.00	17.00
Outdoor Fan	Type	-	Propeller	Propeller
	Air Flow Rate	m ³ /min x No.	50 x 1	50 x 1
Outdoor Fan Motor	Type	-	BLDC	BLDC
	Output	W x No.	85 x 1	85 x 1
Compressor	Type	-	Twin Rotary	Twin Rotary
	Model x No.	-	KTN150D53 x 1	KTM240D63 x 1
	Motor Type	-	BLDC	BLDC
	Motor Output	W x No.	1,180 x 1	1,600 x 1
	Oil Type	-	POE VG74	POE VG74
	Oil Charging amount	cc x No.	420 x 1	670 x 1
	Rows x Columns x FPI	-	2 x 30 x 21	3 x 30 x 21
Heat Exchanger	No.	-	1	1
	Fin Type	-	Slit	Slit
	Material (Tube / Fin)	-	Cu / Al	Cu / Al
	Face Area	m ²	0.51	0.51
	Net (W x H x D)	mm	870 x 650 x 330	870 x 650 x 330
Dimensions	Shipping (W x H x D)	mm	1,046 x 713 x 461	1,046 x 713 x 461
	Net	kg	43.0	48.0
Weight	Shipping	kg	47.3	52.1
	Color	-	Warm gray	Warm gray
Protection Device	RAL (Classic)	-	RAL 7044	RAL 7044
	Frost Prevention	-	Thermistor	Thermistor
	Discharge Temperature Control	-	Thermistor	Thermistor
	Inverter Protection	-	Thermistor	Thermistor
Refrigerant	Type	-	R32	R32
	Precharged Amount	kg	1,200	1,300
	Additional Charging amount (Branch)	g/m	20	20
	GWP (Global Warming Potential)	-	675	675
	t-CO ₂ eq.	-	0.810	0.878
	Chargeless-Pipe Length (Main)	m	30	40
	Control Type	-	EEV	EEV
Pipe Connecting Socket	Liquid	mm (inch) x No.	Ø 6.35 (1/4) x 3	Ø 6.35 (1/4) x 4
	Gas	mm (inch) x No.	Ø 9.52 (3/8) x 3	Ø 9.52 (3/8) x 4
	Connection Type (Liquid)	-	Flare	Flare
Piping Length	Connection Type (Gas)	-	Flare	Flare
	Total Piping (Max)	m	60	70
	Each Branch (Rated / Max / Min)	m	7.5 / 25 / -	7.5 / 25 / -
	IDU - ODU (Max)	m	15	15
Maximum Height Difference	IDU - IDU (Max)	m	7.5	7.5
	Cooling (@ 1.5 m height)	dB(A)	49.0	49.0
Sound Pressure Level (Outdoor Unit) Measurement Standard (Pressure Level)		-	ISO 3745	ISO 3745
Connecting Cable	Power Supply Cable (H07RN-F) (to ODU)	mm ² x cores	2.5 x 3C	2.5 x 3C
	Minimum Circuit Amperes (MCA)	A	12.2	16.9
Electrical Characteristic	Maximum Fuse Amperes (MFA)	A	15	20
	Comp_Rated Load Amperes (Max)	A	9.0	13.5
	Outdoor Fan Motor_Full Load Amperes	A	0.33	0.33
	Number of Indoor Units	EA	3	4
Combination Limit		-	3	4
Allowable Total Indoor Unit Connected Capacity	Min - Max	kBtu/h	9 - 45	9 - 54
Allowable Max. Capacity for individual Indoor unit	Max	kBtu/h	24	24