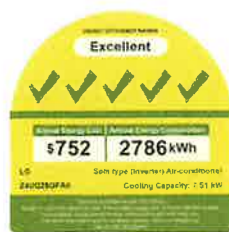


LG Air Conditioners

Make your life cool



5-Tick Rating

Compact Size

ThinQ™

Plasmaster™ Ionizer^{PLUS}

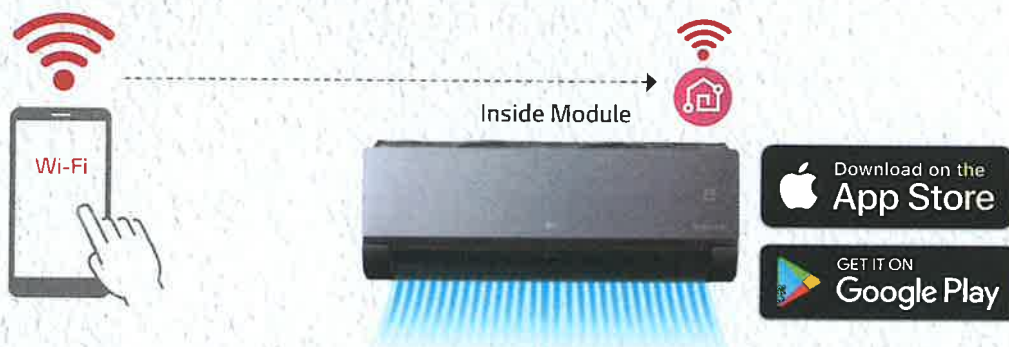
Smarter life

ThinQ™

Control the air conditioners with the smart internet devices.



AC Control from **Anywhere**



ThinQ™

- On / Off
- Mode Selections
- Temperature Setting
- Status Alerts
- Time Scheduler
- Filter Management
- Smart Diagnosis
- Vane Control

Mobile Remote Control*
Remote control via mobile phone



* Wi-Fi required

Enhanced air quality

Plasmaster™ Ionizer^{PLUS}

Sterilization and Deodorization

Plasmaster Ionizer+ reduces harmful microscopic particles by infusing the air passing through the air conditioner with over **3 millions ions**.



※ Only ARTCOOL Mirror has this function

Auto Cleaning

The interior of the air conditioner is maintained clean by drying off and sterilizing the heat exchanger. The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing a more pleasant and comfortable environment



Removes Harmful Particles

Provides clean air by preventing bacteria, mold and odors that could accumulate in an indoor unit.



Results vary based on environment.
Detailed disclaimers apply. Please refer to <https://www.lg.com/sg> for more details.

WHY MULTI SPLIT **R32** SMART INVERTER

LG's Multi Split system provides powerful, efficient cooling up to 4 indoor units operating from a single outdoor unit. The advanced inverter technology offers powerful performance while consuming less energy, space, as well as sound.

Sleek and elegant indoor units are fitting for all room sizes.

The R32 smart inverter can be easily installed and maintained.

Index



Climate friendly



Super energy efficiency **5-Tick Rating**



Perfect HDB fit **Compact Size**



Smarter life with **ThinQ™**



Enhanced air quality with **Plasmaster™** Ionizer^{PLUS}



Line-up

Outdoor unit

Capacity	up to 18kBtu/h	up to 26kBtu/h	up to 28kBtu/h
Outdoor Units			
	Z3UQ18GFA0	Z3UQ26GFA0	Z4UQ28GFA0
Connectable Indoor Units	Up to 3 indoor units	Up to 3 indoor units	Up to 4 indoor units

Indoor unit (Compatible: both R32 and R410A)

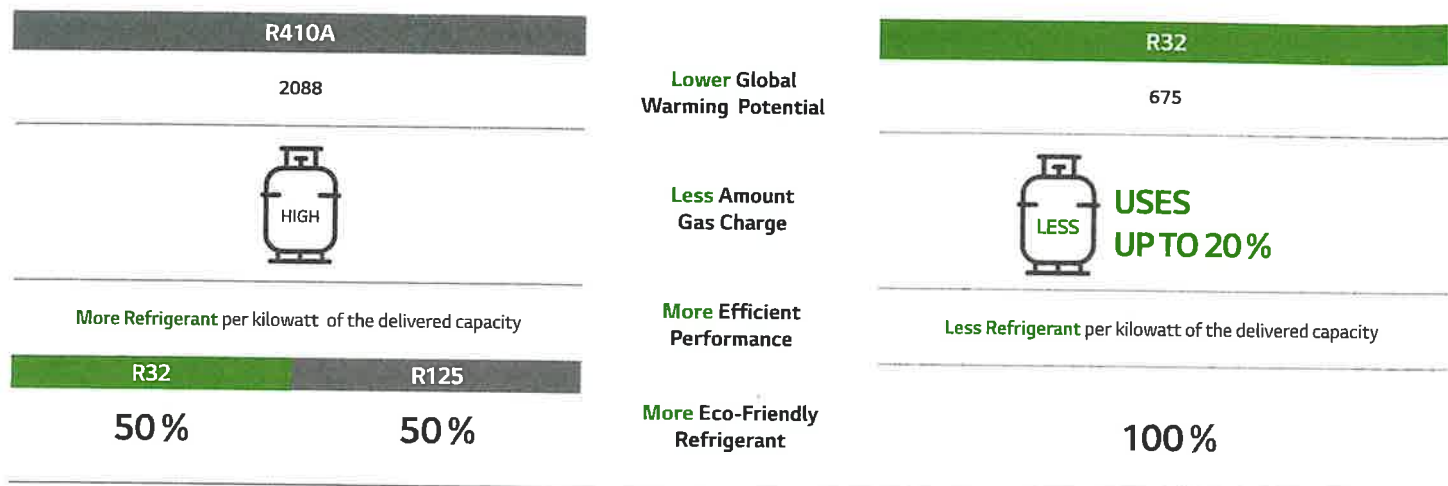
Capacity	9kBtu/h	12kBtu/h	18kBtu/h	24kBtu/h
Wall Mounted Type	ARTCOOL Mirror  Ionizer Wi-Fi AMNC09GDJR0	 AMNC12GDJR0	 AMNC18GDKR0	 AMNC24GDKR0
	ALPHA +  Wi-Fi AMNQ09GSJC0	 AMNQ12GSJC0	 AMNQ18GSKC0	 AMNQ24GSKC0
Ceiling Cassette	4 way  AMNQ12GTRA1	 AMNQ18GTQA1	 AMNQ24GTPB0	

Climate friendly

R32

Next-Generation Refrigerant

R32 is the next generation refrigerant that efficiently carries heat and has lower environmental impact over R410A refrigerant.



Caution!

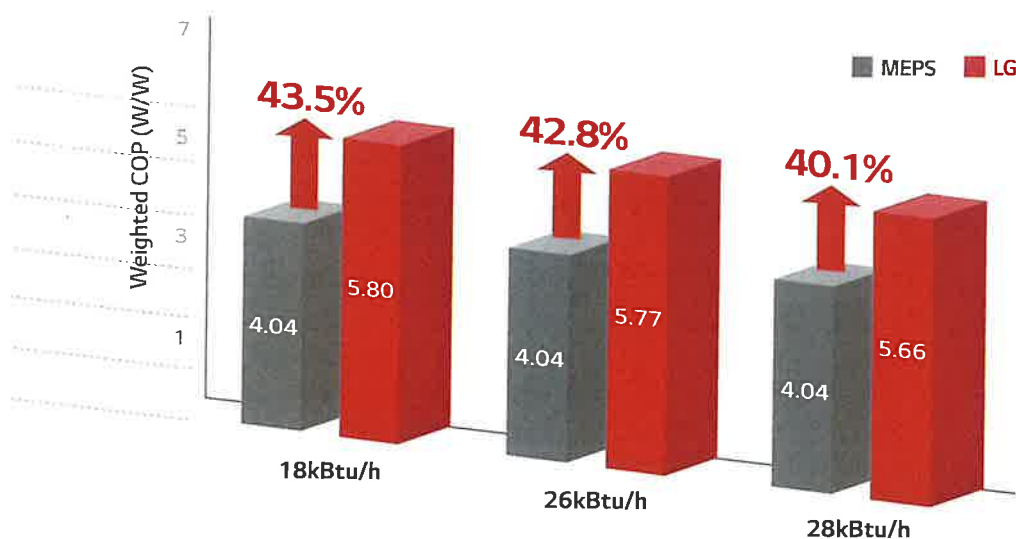
More precaution should be needed to use R32 refrigerant due to slightly higher toxicity level
Higher discharge temperature may cause oil degradation in the compressor, which may damage some of the components in it

Super energy efficiency

5-Tick Rating

High Coefficient of Performance (COP) of the LG R32 will result in greater savings in the long run.

Weighted COP Comparison (LG vs MEPS)



Singapore Energy Guide

	COP	WCOP
5-tick	4.86 < COP	5.50 ≤ WCOP

kBTu/h	18	26	28
Full load COP	4.91	5.12	5.28
Weighted COP	5.80	5.77	5.66
Tick	5	5	5

MEPS : Minimum Energy Performance Standard

Super energy efficiency

Dual Inverter Compressor

Structured to optimize stability and to operate on low noise vibrations.



Twin Rotor

Stable Rotation / Low Noise / Low Vibration



Surface Coating

High Abrasion Resistance



Flow Optimization

Reduced Oil Discharge / Enhanced Oil Collection



Concentric Motor

Improved Oil Path Area / Low Calorific Value



Dual Inverter
COMPRESSOR



Perfect HDB fit

Compact Size

Fit for HDB structure.



New	WxHxD
Z3UQ18GFA0	770 × 545 × 288
Z3UQ26GFA0	870 × 650 × 330
Z4UQ28GFA0	870 × 650 × 330

Specification

OUTDOOR UNIT

Z3UQ18GFA0 / Z3UQ26GFA0 / Z4UQ28GFA0



Capacity		Unit	Z3UQ18GFA0	Z3UQ26GFA0	Z4UQ28GFA0
Major	Minor				
Classification	Chassis	-	U18A	U24A	U24A
	# 1	-	220-240, 1, 50/60	220-240, 1, 50/60	220-240, 1, 50/60
Power Supply	Limit Range of Voltage (# 1)	V	198 ~ 264	198 ~ 264	198 ~ 264
Testing Combination		Model x No.	AMNC09GDJRO x 3	AMNC09GDJRO x 3	AMNC09GDJRO x 4
Cooling Capacity	Rated	kW	5.20	6.40	7.50
		Btu/h	17,740	21,850	25,600
	Min - Max	kW	1.58 ~ 7.06	1.58 ~ 8.70	1.58 ~ 10.20
		Btu/h	5,400 ~ 24,100	5,400 ~ 29,700	5,400 ~ 34,800
Power Input (Cooling)	Rated	kW	1.06	1.25	1.42
	Min - Max	kW	0.41 ~ 2.16	0.38 ~ 2.43	0.38 ~ 3.08
Operation Range (Outdoor Temperature)	Min - Max	°C (°F) DB	-5 (23.0) - 48 (118.4)	-5 (23.0) - 48 (118.4)	-5 (23.0) - 48 (118.4)
Efficiency	EER	W/W	4.91	5.12	5.28
	W COP	W/W	5.80	5.77	5.66
	Energy Label (Cooling)	-	5-tick	5-tick	5-tick
Running Current (Cooling)	Rated	A	4.9	5.6	6.4
	Min/Max	A	1.90 / 10.00	1.70 / 11.00	1.70 / 13.90
Running Current	Maximum Running Current	A	10.00	11.00	13.90
Outdoor Fan	Type	-	Propeller	Propeller	Propeller
	Air Flow Rate	m³/min x No.	43.3 x 1	50 x 1	50 x 1
Outdoor Fan Motor	Type	-	BLDC	BLDC	BLDC
	Output	W x No.	43 x 1	85.4 x 1	85.4 x 1
Compressor	Type	-	Twin Rotary	Twin Rotary	Twin Rotary
	Model x No.	-	DAT156MAD x 1	DKT208MAB x 1	DKT208MAB x 1
	Motor Type	-	BLDC	BLDC	BLDC
	Motor Output	W x No.	1,500 (at 60Hz) x 1	1,500 (at 60Hz) x 1	DKT208MAB x 1
	Oil Type	-	FW68D	FW68D	FW68D
Heat Exchanger	Oil Charging amount	cc x No.	400 x 1	670 x 1	670 x 1
	Rows x Columns x FPI	-	2 x 24 x 18	2 x 28 x 18	2 x 28 x 18
	No.	-	1	1	1
Fin Type	Fin Type	-	Louver	Louver	Louver
	Material (Tube/Fin)	-	Cu / Al	Cu / Al	Cu / Al
	Face Area	m²	0.41	0.51	0.51
Dimensions	Net (W x H x D)	mm	770 x 545 x 288	870 x 650 x 330	870 x 650 x 330
	Shipping (W x H x D)	mm	920 x 588 x 388	1,046 x 713 x 461	1,046 x 713 x 461
Weight	Net	kg	34.7	44.2	44.6
	Shipping	kg	37.6	48.2	48.6
Exterior	Color	-	Warm gray	Warm gray	Warm gray
	RAL (Classic)	-	RAL 7044	RAL 7044	RAL 7044
Protection Device	Frost Prevention	-	Thermistor	Thermistor	Thermistor
	Discharge Temperature Control	-	Thermistor	Thermistor	Thermistor
	Inverter Protection	-	-	Pressure Sensor	Pressure Sensor
Refrigerant	Type	-	R32	R32	R32
	Precharged Amount	kg	1.100	1.300	1.400
	Additional Charging amount (Branch)	g/m	20	20	20
	GWP (Global Warming Potential)	-	675	675	675
	t-CO ₂ eq.	-	0.743	0.878	0.945
Pipe Connecting Socket	Chargeless-Pipe Length (Main)	m	30	30	40
	Control Type	-	EEV	EEV	EEV
Piping Length	Liquid	mm (inch) x No.	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 3	Ø6.35 (1/4) x 4
	Gas	mm (inch) x No.	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 3	Ø9.52 (3/8) x 4
	Connection Type (Liquid)	-	Flare	Flare	Flare
Maximum Height Difference	Connection Type (Gas)	-	Flare	Flare	Flare
	Total Piping (Max)	m	50	60	70
Sound Pressure Level (Outdoor Unit)	Each Branch (Rated / Max / Min)	m	7.5 / 25 / -	7.5 / 25 / -	7.5 / 25 / -
	IDU - ODU (Max)	m	15	15	15
Measurement Standard (Pressure Level)	IDU - IDU (Max)	m	7.5	7.5	7.5
	Cooling / Heating (@ 1.5m height)	dB(A)	47.0 / -	49.0 / -	49.0 / -
Connecting Cable	Power Supply Cable (H07RN-F) (to ODU)	mm² x cores	2.5 x 3C	2.5 x 3C	2.5 x 3C
Electrical Characteristic	Minimum Circuit Amperes (MCA)	A	11.9	11.6	11.6
	Maximum Fuse Amperes (MFA)	A	15	20	20
	Comp. Rated Load Amperes (Max)	A	9.0	12.0	12.0
	Outdoor Fan Motor_Full Load Amperes	A	0.25	0.33	0.33
Combination Limit	Number of Indoor Units	EA	3	3	4
Allowable Total Indoor Unit Connected Capacity	Min - Max	kBtu/h	9 ~ 36	9 ~ 42	9 ~ 51
Allowable Max. Capacity for individual Indoor unit	Max	kBtu/h	18	24	24

Wall Mounted Single Split

INDOOR UNIT ALPHA +



AMNQ09GSJC0 / AMNQ12GSJC0 / AMNQ18GSKC0 / AMNQ24GSKC0



Capacity		Unit	AMNQ09GSJC0	AMNQ12GSJC0	AMNQ18GSKC0	AMNQ24GSKC0
Major	Minor					
Classification	Chassis	-	SJ (Specialized)	SJ (Specialized)	SK (Specialized)	SK (Specialized)
	#1	-	220-230-240, 1, 50/60	220-230-240, 1, 50/60	220-230-240, 1, 50/60	220-230-240, 1, 50/60
Power Supply	Limit Range of Voltage (#1)	V	198 ~ 264	198~264	198~264	198~264
Power Input (Indoor)	H / M / L	W	30 / 18 / 11	30 / 19 / 11	60 / 40 / 24	60 / 45 / 27
Running Current	Maximum Running Current	A	0.2	0.2	0.4	0.4
Running Current (Indoor)	H / M / L	A	0.20 / 0.16 / 0.10	0.20 / 0.17 / 0.10	0.40 / 0.28 / 0.20	0.40 / 0.33 / 0.24
Indoor Fan	Type	-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Flow Rate (Cooling, (SH) / H / M / L)	m³/min	- / 9.2 / 7.4 / 5.6	- / 9.6 / 8.1 / 5.6	- / 15.8 / 12.4 / 10.0	- / 16.9 / 12.8 / 10.4
Indoor Fan Motor	Type	-	BLDC	BLDC	BLDC	BLDC
	Drive	-	Internal	Internal	Internal	Internal
	Output	W	30	30	30	60
		No.	1	1	1	1
Heat Exchanger	Rows x Columns x FPI	-	2 x 15 x 21	2 x 15 x 21	2 x 16 x 20	2 x 16 x 20
	No.	-	1	1	1	1
	Face Area	m²	0.19	0.19	0.24	0.24
Dimensions	Net (W x H x D)	mm	818 x 316 x 189	818 x 316 x 189	975 x 354 x 209	975 x 354 x 209
	Shipping (W x H x D)	mm	892 x 381 x 249	892 x 381 x 249	1,063 x 420 x 274	1,063 x 420 x 274
Weight	Net	kg	8.9	8.9	11.4	12.2
	Shipping	kg	10.2	10.2	13.2	13.9
Exterior	Color	-	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2	Munsell 7.5BG 10/2
	RAL (Classic)	-	RAL 9016	RAL 9016	RAL 9016	RAL 9016
Protection Device	Fuse	-	0	0	0	0
	Overload Protector for Fan Motor	-	0	0	0	0
Refrigerant	Type	-	R410A / R32	R410A / R32	R410A / R32	R410A / R32
	Control Type	-	-	-	-	-
Drain Pipe (Natural Drainage)	O.D / I.D	mm (inch)	Ø21.5 (27/32) / 16 (5/8)	Ø21.5 (27/32) / 16 (5/8)	Ø21.5 (27/32) / 16 (5/8)	Ø21.5 (27/32) / 16 (5/8)
Piping Connection	Liquid	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (1/2)
Pipe Connecting Socket	Liquid (Indoor Unit)	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas (Indoor Unit)	mm (inch)	Ø9.52 (3/8)	Ø9.52 (3/8)	Ø12.7 (1/2)	Ø12.7 (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)	- / 36.0 / 33.0 / 27.0	- / 40.0 / 35.0 / 27.0	- / 44.0 / 38.0 / 34.0	- / 46.0 / 41.0 / 36.0
Measurement Standard (Pressure Level)			ISO 3745	ISO 3745	ISO 3745	ISO 3745
Connecting Cable	Power and Communication cable (H07RN-F)	mm² x cores	0.75 x 4C	0.75 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	0.2	0.2	0.4	0.4



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