

LG ARTCOOL™



LG DUALCOOL™ PLUS



Specification		Unit	A13RJH	A19RKH	A24RKH	M10EJH	M13EJH.S30	M19EKH.SK0	M24EKH8	M38AKH
Capacity	Cooling	Min / Rated / Max	kW	0.88 / 3.52 / 3.87	1.08 / 5.28 / 5.36	1.03 / 6.45 / 7.18	0.88 / 2.70 / 3.46	0.88 / 3.52 / 3.87	1.08 / 5.28 / 5.36	1.03 / 6.45 / 7.18
			Btu/h	3,000 / 12,000 / 13,200	3,685 / 18,000 / 18,300	3,500 / 22,000 / 24,500	3,000 / 9,200 / 11,800	3,000 / 12,000 / 13,200	3,685 / 18,000 / 18,300	3,500 / 22,000 / 24,500
	Heating	Min / Rated / Max	kW	0.88 / 3.52 / 4.04	1.08 / 5.42 / 6.10	1.03 / 6.45 / 7.18	0.88 / 2.93 / 4.04	0.88 / 3.52 / 4.04	1.08 / 5.42 / 6.10	1.03 / 6.45 / 7.18
			Btu/h	3,000 / 12,000 / 13,680	3,685 / 18,500 / 20,850	3,500 / 22,000 / 24,500	3,000 / 10,000 / 13,680	3,000 / 12,000 / 13,680	3,685 / 18,500 / 20,850	3,500 / 22,000 / 24,500
Power Input	Cooling	Min / Rated / Max	W	140 / 1,085 / 1,400	238 / 1,640 / 1,710	240 / 2,010 / 2,420	140 / 729 / 1,400	140 / 1,085 / 1,400	238 / 1,640 / 1,710	240 / 2,010 / 2,420
			g	Max	Min	/	W	140 / 975 / 1,550	238 / 1,500 / 1,800	240 / 1,890 / 2,500
Running Current	Heating	Rated / Max	A	0.70 / 5.00 / 6.50	1.10 / 7.40 / 8.10	1.14 / 9.60 / 11.46	0.70 / 3.50 / 6.50	0.70 / 5.00 / 6.50	1.10 / 7.40 / 8.10	1.14 / 9.60 / 11.46
			g	Min / Rated / Max	A	0.70 / 4.80 / 7.50	1.10 / 6.82 / 8.52	1.14 / 9.10 / 11.84	0.70 / 3.60 / 7.50	1.10 / 6.82 / 8.52
EER	Cooling	Max	Min	/	W/W	3.24	3.22	3.21	3.24	3.22
COP	g	Rated / Max	W/W	3.61	3.62	3.41	3.80	3.61	3.62	3.41
Energy Label	Cooling / Heating			A / A++	A / A++	A / A+	A++ / A++	A / A++	A / A+	B / A++
Available Voltage Range			V	160 ~ 275	160 ~ 275	160 ~ 275	160 ~ 275	160 ~ 275	160 ~ 275	160 ~ 275
Power Supply			Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50
Indoor	Dimensions Net		mm	837 × 308 × 192	998 × 345 × 212	998 × 345 × 212	837 × 308 × 189	837 × 308 × 189	998 × 345 × 210	998 × 345 × 210
	Weight	Net	kg	9.9	13	14.3	8.4	8.4	11.1	10.8
Outdoor	Dimensions Net		mm	717 × 483 × 230	770 × 545 × 288	870 × 655 × 320	717 × 495 × 230	717 × 495 × 230	770 × 545 × 288	870 × 650 × 330
	Weight	Net	kg	26.4	34.2	42.7	26.4	26.4	33.9	42.2
Circuit Breaker			A	15	20	20	15	15	20	20
Piping	Size	Liquid	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35
		Gas	mm	ø 9.52	ø 12.7	ø 15.88	ø 9.52	ø 9.52	ø 12.7	ø 15.88
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Compressor	Type			Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary

LG DUALCOOL™



LG DUALCOOL™ Pro



Specification		Unit	M11AJH	M13AJH	M19AKH	M24AKH	H09SMH	H12SMH	H18SMH	H24SMH		
Capacity	Cooling	Min / Rated / Max	kW	0.88 / 2.70 / 3.46	0.88 / 3.52 / 3.87	1.08 / 5.28 / 5.36	1.03 / 6.45 / 7.18	2.55	3.22	4.90	6.00	
		Btu/h	3,000 / 9,200 / 11,800	3,000 / 12,000 / 13,200	3,685 / 18,000 / 18,300	3,500 / 22,000 / 24,500	8,701	10,987	16,719	20,473		
	Heating	Min / Rated / Max	kW	0.88 / 2.93 / 4.04	0.88 / 3.52 / 4.04	1.08 / 5.42 / 6.10	1.03 / 6.45 / 7.18	2.55	3.30	5.20	6.20	
		Btu/h	3,000 / 10,000 / 13,800	3,000 / 12,000 / 13,800	3,685 / 18,500 / 20,850	3,500 / 22,000 / 24,500	8,701	11,260	17,743	21,155		
Power Input	Cooling	Min / Rated / Max	W	140 / 729 / 1,400	140 / 1,085 / 1,400	238 / 1,640 / 1,710	240 / 2,010 / 2,420	847	1,070	1,628	1,996	
		g	Max	Min	/	W	140 / 771 / 1,550	140 / 975 / 1,550	238 / 1,500 / 1,800	240 / 1,890 / 2,500	695	1,000
Running Current	Heating	Rated / Max	A	0.70 / 3.50 / 6.50	0.70 / 5.00 / 6.50	1.10 / 7.40 / 8.10	1.14 / 9.60 / 11.46	3.90	5.10	7.50	8.80	
		g	Min / Rated / Max	A	0.70 / 3.60 / 7.50	0.70 / 4.80 / 7.50	1.10 / 6.82 / 8.52	1.14 / 9.10 / 11.84	3.30	4.70	7.20	8.30
EER	Cooling	Max	Min	/	W/W	3.7	3.24	3.22	3.01	3.01	3.01	3.01
COP	g	Rated / Max	W/W	3.8	3.61	3.62	3.41	3.67	3.30	3.41	3.44	
Energy Label	Cooling / Heating	-	-	A++ / A++	A / A++	A / A++	A / A+	B / A++	B / A	B / A+	B / A+	
Available Voltage Range	-	V	160 ~ 275	160 ~ 275	160 ~ 275	160 ~ 275	-	-	-	-	-	
Power Supply	-	Ø, V, Hz	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	1, 220 ~ 240, 50	
Indoor	Dimensions	Net	mm	837 × 308 × 189	837 × 308 × 189	998 × 345 × 210	998 × 345 × 210	822 × 258 × 203	822 × 258 × 203	890 × 300 × 220	998 × 325 × 227	
	Weight	Net	kg	8.6	8.6	11.3	12.8	8.0	8.0	10.5	13.0	
Outdoor	Dimensions	Net	mm	715 × 495 × 230	717 × 495 × 230	770 × 545 × 288	870 × 655 × 320	660 × 482 × 240	715 × 482 × 240	810 × 585 × 280	860 × 650 × 310	
	Weight	Net	kg	26	26.4	34.2	42.7	25.0	26.0	41.0	42.5	
Circuit Breaker	-	A	15	15	20	20	20	25	40	45		
Piping	Size	Liquid	mm	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 6.35	ø 9.52	
		Gas	mm	ø 9.52	ø 9.52	ø 12.7	ø 15.88	ø 9.52	ø 12.7	ø 12.7	ø 15.88	
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Compressor	Type	-	-	Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary	Rotary	Rotary	Rotary	Rotary	



LG Residential Air Conditioner

For continual product development, LG reserves right to change specifications or designs without notice.
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PRODUCT FEATURES

	LG ARTCOOL™	LG DUALCOOL™ PLUS	LG DUALCOOL™	LG DUALCOOL™ Pro
 More Energy Saving	•	•	•	—
 Faster Cooling	•	•	•	—
 Quiet Cooling	•	•	•	—
 10 Years Warranty on Compressor	•	•	•	—
 Smart Display	•	•	•	•
ThinQ™ ThinQ	•	•	—	—
 Plasmaster™ Ionizer ⁺⁺	•	—	—	—
 Auto Cleaning	•	•	•	•
 Active Energy Control	•	•	•	—
 Gold Fin™	•	•	•	•
 Jetcool	•	•	•	•
 Natural Wind	•	•	•	•
 4 Way Swing	•	•	2Way	2Way
 Pre Filter	•	•	•	•
 Quick & Easy Installation	•	•	•	•
 Smart Diagnosis	•	•	•	•
 Mobile LGMV	•	•	•	—
 Auto Restart Operation	•	•	•	•
 Volt Care	•	•	•	—

Designed for Load Shedding, Power Issue & Solar Operation

Volt Care (Surge Protector)



Enjoy a durable air-conditioner with an ability to withstand voltage fluctuation. The product operates continuously in a voltage range of 160V to 275V and automatically shuts off when outside this range. Also it is designed to protect its components such as PCB and motor under a momentary high-voltage surge up to 450V.

Active Energy Control



LG's Active Energy Control offers four selectable energy consumption levels, allowing users to adjust energy use and cooling capacity. This is especially useful in solar-powered system, enabling users to optimize energy consumption based on available battery levels.

ThinQ™



ThinQ will allow you to access your Air Conditioner wherever you are. This will allow you to turn on your AC before coming home, and your house will be ready at the perfect temperature by the time you arrive.

Anti-Corrosive Gold Fin & PCB



To ensure long-lasting performance in harsh environment, the Gold Fin™ coating protects the surface of the heat exchanger from unnecessary wear and corrosion. And the outdoor unit's PCB is further protected by an anti-corrosive coating and a hermetically sealed housing designed to prevent the intrusion of moisture and salt.

Energy Monitoring



With the LG ThinQ App, you can monitor your air conditioner's real-time energy usage. It helps you reduce unnecessary consumption, and optimize usage pattern, helping you cut electricity bills while living smarter and more sustainably.

Plasmaster™ Ionizer⁺⁺



The powerful plasma ionizer protects you from bad odors and harmful and contagious particles in the air with over 8 million ions to sterilize not only the air passing through the air conditioner, but also surrounding surfaces for a safer, and cleaner environment.