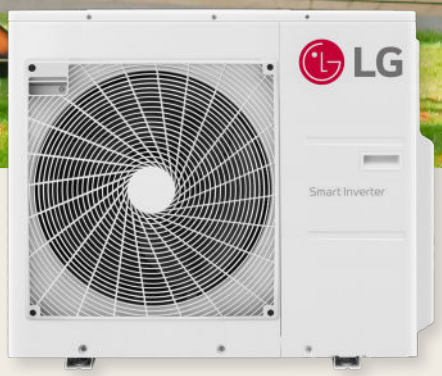
Multi F Outdoor Unit
WITH LGRED°

R32

Residential Single-Zone





Models: KUMXA181A, KUMXA241A, KUMXA301A

Cooler Summers, Warmer Winters, Smarter Living

The Multi F with LGRED° heat pumps feature LGRED° heat technology, delivering dependable heating even in extreme winter conditions. LGRED° heat technology delivers continuous heating operation down to -13 °F. These compact and versatile units are compatible with ducted, duct-free, or a mix of either indoor units. Connecting of two, three, or four indoor units, they are ideal for residential and light commercial applications.

- **LGRED° Heat Technology:** Provides reliable heating performance in cold winter weather.
- **Support for Multiple Indoor Units:** Enables personalized comfort across multiple zones.
- **Flexible Design:** Compatible with mixed, ducted, and duct-free indoor units for diverse installation needs.
- **Quiet Operation:** Minimizes noise for a more comfortable environment.

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Residential Mulit-Zone

Specification			18 kBtu/h	24 kBtu/h	30 kBtu/h
		Outdoor Unit	KUMXA181A	KUMXA241A	KUMXA301A
Capacity	Cooling Capacity (Min ~ Rated ~ Max)	Btu/h	8,400~18,000~19,980	8,400~24,000~30,000	8,400~28,400~34,080
	Heating Capacity (Min ~ Rated ~ Max)	Btu/h	10,248~22,000~24,000	10,248~26,000~31,200	10,248~30,000~36,000
	SEER2 (Non-Ducted / Ducted / Mixed)		20.0 / 17.0 / 18.5	21.0 / 18.5 / 19.8	20.0 / 18.5 / 19.3
	EER2 (Non-Ducted / Ducted / Mixed)		13.5 / 12.0 / 12.8	13.5 / 12.5 / 13.0	12.5 / 11.7 / 12.1
	HSPF2 (Non-Ducted / Ducted / Mixed)		9.8 / 9.0 / 9.4	9.8 / 9.5 / 9.7	9.8 / 9.5 / 9.7
	COP @ 47 °F (Non-Ducted / Ducted / Mixed)		3.60 / 3.36 / 3.48	3.66 / 3.63 / 3.65	3.74 / 3.74 / 3.74
	COP @ 17 °F (Non-Ducted / Ducted / Mixed)		2.59 / 2.50 / 2.55	2.80 / 2.80 / 2.80	2.90 / 2.90 / 2.90
Power	Voltage	V, Hz, Ø	208/230, 60, 1	208/230, 60, 1	208/230, 60, 1
	Cooling Power Input	kW	0.875~1.330~1.862	0.936~1.780~2.638	0.945~2.270~3.372
	Heating Power Input	kW	1.001~1.790~2.506	1.233~2.080~3.090	1.299~2.350~3.487
	MCA, MOCP	A	22.7 / 30	23.1 / 30	23.5 / 30
	Rated Amps	A	17.65	17.65	17.65
	Power Supply Wiring Outddoor Unit	No. x AWG	3 x 12	3 x 12	3 x 12
	Power Wiring / Comm. Wiring (ODU to IDU)	No. x AWG	3 × 14 / 2 × 18	3 × 14 / 2 × 18	3 × 14 / 2 × 18
Operation Range	Heating Operation Range	°F WB	-13 to 64	-13 to 64	-13 to 64
	Cooling Operation Range	°F DB	14 to 118	14 to 118	14 to 118
	With Optional Wind Baffle	°F DB	-4 to 118	-4 to 118	-4 to 118
Dimensions	Dimensions (W x H x D)	in	37 $^{13}/_{32}$ x 32 $^{27}/_{32}$ x 13	37 $^{13}/_{32}$ x 32 $^{27}/_{32}$ x 13	37 $^{13}/_{32}$ x 32 $^{27}/_{32}$ x 13
Weight	Weight (Net/Shipping)	lbs	147.7 / 165.3	149.9 / 167.6	152.1 / 169.8
Unit Data	Refrigerant Type		R32	R32	R32
	Compressor Type x Quanity		Scroll x 1	Scroll x 1	Scroll x 1
	Sound Pressure (Cooling / Heating)	dB(A)	50 / 54	52 / 55	52 / 55
	Maximum Air Volume	CFM	2,119	2,119	2,119
	Connectable IDUs (Min / Max)	Qty	2 / 2	2 / 3	2 / 4
	Connected Capacity (Min / Max)	Btu/h	14,000 / 24,000	14,000 / 33,000	14,000 / 40,000
Piping	Liquid Pipe Connection	in	1/4 Flare x 2	1/4 Flare x 3	1/4 Flare x 4
	Vapor Pipe Connection	in	3/8 Flare x 2	3/8 Flare x 3	3/8 Flare x 4
	Maximum Total Pipe Length	ft	164	246.1	246.1
	Minimum Pipe Length (No Additional Refrigerant)	ft	82	123	123
	Maximum Pipe Length ODU to IDU	ft	9.8 / 82.0	9.8 / 82.0	9.8 / 82.0
	Maximum Elevation ODU to IDU	ft	49.2	49.2	49.2
	Maximum Elevation IDU to IDU	ft	24.6	24.6	24.6
	Factory Charge of R32	oz	77.6	84.7	84.7
	Additional Refrigerant	oz/ft	0.22	0.22	0.22
	Condensation Line (OD, ID)	in	1-$^{1}/_{4}$, 1	1-$^{1}/_{4}$, 1	1-$^{1}/_{4}$, 1

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ENERGY STAR ENERGY STAR COLD CLIMATE

AHRI CERTIFIED® www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is tested with AHRI.

Residential Multi-Zone Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov.

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