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# Multi-Zone Home Comfort Solutions

Air Conditioning Technologies | [lghvac.com](http://lghvac.com)

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# Year-round comfort in all areas of your home

## MULTI F 2 TO 4 ZONES



LMU30CHV & LMU300HHV - 2 to 4 indoor units  
Comfort from up to 40,000 Btu/h of combined indoor units

LMU36CHV - 2 to 4 indoor units  
Comfort from up to 48,000 Btu/h of combined indoor units

LG Multi F systems offer individual room temperature control for 2 to 4 rooms. This means you can have a unit in your bedroom set to one temperature, a unit in the kitchen set to another temperature, and other units in the play room or guest bedroom set to their own temperatures.

	Art Cool™ Gallery	Art Cool™ Mirror	Standard Wall Mounted	Low Static Ducted	Ceiling Cassette	High Static Ducted	Vertical / Horizontal Air Handler
Indoor unit style options							
AllCapacities ≤ 24,000	✓	✓	✓	✓	✓	✓	✓

# Benefits of the LG Multi F systems:

LG Multi F whole-home comfort systems provide powerful, efficient heating and cooling with up to eight indoor units operating off a single outdoor unit. In fact, most combinations are ENERGY STAR® certified providing a very energy efficient solution for your home comfort. Individual room temperature control with low operating cost are at your fingertips with LG Multi F.

## MULTI F & MULTI F MAX WITH LGRED° HEAT UP TO 6 ZONES

Incorporate the Smart ThinQ® app to connect to each indoor unit. Set temperature levels, monitor usage and even connect to other LG appliances within the home via one smart phone app.



Multi F and Multi MAX units with LGRED° Heat technology offer all the flexibility of LG multi-zone systems with powerful heating capacities down to -13° F.

	Art Cool™ Gallery	Art Cool™ Mirror	Standard Wall Mounted	Low Static Ducted	Ceiling Cassette
Indoor unit style options					
7,000 Btu/h			✓		✓
9,000 Btu/h	✓	✓	✓	✓	✓
12,000Btu/h	✓	✓	✓	✓	✓
15,000Btu/h			✓		

LMU18CHV & LMU180HHV - 2 indoor units  
Comfort from up to 24,000 Btu/h of combined indoor units

LMU24CHV & LMU240HHV - 2 to 3 indoor units with LGRED°  
Comfort from up to 33,000 Btu/h of combined indoor units

Installation is typically easy and does not require major renovations – the pipes connecting your outdoor unit to the indoor units are small and easy to run throughout your house. Your contractor can usually install a whole-home system in just a few days, start-to-finish. And if your contractor leaves an open port connection on the outdoor unit, you can easily have an additional indoor unit installed down the road. Using three or more indoor units connected to one outdoor unit is more cost-effective and uses less space than installing three individual single zone systems in most situations.

## MULTI F MAX UP TO 8 ZONES



LMU360HHV & LMU420HHV - 2 to 6 Zone Multi F MAX Heat Pumps for 18,000-56,000 Btu/h.

LMU480HV & LMU540HV & LMU600HV - 2 to 8 Zone Multi F MAX Heat Pump System mix and match for 24,000-81,000 Btu/h.




Multi F MAX offers the total whole-home solution with 4, 4 1/2 and 5 ton options with up to 8 indoor units. It is compatible with all indoor units styles and capacities. All can easily be controlled from one wired thermostat using group control or independently control each unit with individual controllers.

	Art Cool™ Gallery	Art Cool™ Mirror	Standard Wall Mounted	Low Static Ducted	Ceiling Cassette	High Static Ducted	Vertical / Horizontal Air Handler
Indoor unit style options							
All Capacities	✓	✓	✓	✓	✓	✓	✓

# How LG Multi F systems work for you:

LG multi-zone systems bring all the benefits of an energy efficient air conditioning system with the convenience of multiple personalized comfort zones within your home. Customize not only your temperature setting but also your indoor unit design style, reliable heating performance for year-round comfort, controller selection for each zone including remote access via mobile, and much more.

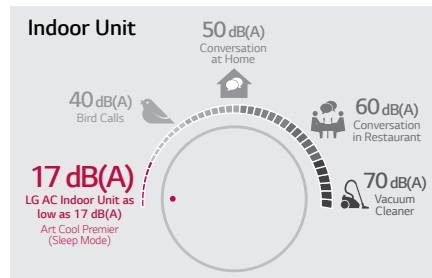
## Year-Round Comfort heating down to -13° F



**100%** heating capacity down to 5° F  
Continuous heating down to -13° F

**LGRED°**  
Powerful Heat Technology  
RELIABLE TO EXTREME DEGREES

## Quiet Operation inside and out



## Indoor Unit Styles with style



## Remote Access control your comfort



WORKS WITH alexa

works with the Google Assistant



## Configurable Systems best fit in the space



## Controller Options On/Off to scheduling



## SEER: Your guide to cool savings

An acronym for Seasonal Energy Efficiency Ratio, SEER is the industry-wide rating measurement that conveys energy consumption information to consumers. The higher the number, the more efficiently a product will produce cool air...and operating efficiency is a big step in conserving our natural resources. Your contractor will be happy to explain SEER numbers in greater detail, and help you determine which LG system is best for your unique requirements.

## HSPF: For cost-saving coziness








Heating Seasonal Performance Factor, or HSPF, represents the total heating output when compared to the electricity used. Like SEER, the higher the HSPF rating, the more efficiently a product will produce warm air. If you live in a climate that requires heating in the winter months as well as cooling in the summer, ask your contractor to help determine the ideal LG system for you.



ENERGY STAR® is a joint program of the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) created to promote energy-efficient products and practices. The ENERGY STAR® logo helps homeowners identify which products meet energy efficiency performance levels set by U.S. EPA and U.S. DOE.




## MULTI F OUTDOOR UNITS

## MULTI F with LGRED<sup>o</sup>

	Specification	Unit	LMU18CHV	LMU24CHV	LMU30CHV	LMU36CHV	LMU180HHV	LMU240HHV	LMU300HHV
	ENERGY STAR <sup>®</sup> Matched Systems		 Non-Ducted	 Non-Ducted Mixed Non-Ducted & Ducted	 Non-Ducted Mixed Non-Ducted & Ducted	 Non-Ducted Mixed Non-Ducted & Ducted	 Non-Ducted	 Non-Ducted	 Non-Ducted
Capacity	Rated Cooling Capacity	Btu/h	17,000	20,000	30,000	32,000	18,000	24,000	28,400
	Cooling Capacity Range	Btu/h	8,400 ~ 19,000	8,400 ~ 25,000	8,400 ~ 36,000	8,400 ~ 38,400	8,400 ~ 19,980	8,400 ~ 30,000	8,400 ~ 34,080
	Rated Heating Capacity	Btu/h	22,000	24,000	32,000	36,000	22,000	26,000	28,600
	Heating Capacity Range	Btu/h	10,248 ~ 24,000	9,240 ~ 28,800	9,240 ~ 38,400	9,240 ~ 41,600	10,248 ~ 24,000	10,248 ~ 31,200	10,248 ~ 34,320
	Max. Heating Capacity at 17 °F	Btu/h	19,161	21,097	26,739	29,105	23,600	28,500	31,600
	Max. Heating Capacity at 5 °F	Btu/h	14,807	14,595	20,622	22,057	22,000	26,000	28,600
	Max. Heating Capacity at -4 °F	Btu/h	9,912	10,385	13,753	15,823	21,050	23,880	25,550
	Max. Heating Capacity at -13 °F	Btu/h	-	-	-	-	19,270	21,310	22,210
	SEER / EER		22.0 / 13.0	21.7 / 13.5	22.0 / 13.0	22.0 / 13.0	21.0 / 13.5	21.0 / 13.5	20.0 / 12.5
HSPF		9.7	10.6	10.0	10.0	10.0	10.7	11.0	
Power	Voltage	V - Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	1.31	1.48	2.31	2.46	1.33	1.78	2.27
	Heating Power Input	kW	2.04	1.80	2.49	2.74	2.22	2.12	2.33
	MCA / MOCP	A	13.3 / 20	14.3 / 20	16.6 / 25.0	17.9 / 25	18.6 / 30	19 / 30	19.4 / 30.0
	Power/Communication Wiring <sup>3</sup>	No. x AWG	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18	4 x 18
Dimensions & Weight	Dimensions (W x H x D)	in.	34 <sup>1</sup> / <sub>4</sub> x 25 <sup>25</sup> / <sub>32</sub> x 12 <sup>19</sup> / <sub>32</sub>	34 <sup>1</sup> / <sub>4</sub> x 25 <sup>25</sup> / <sub>32</sub> x 12 <sup>19</sup> / <sub>32</sub>	37 <sup>13</sup> / <sub>32</sub> x 32 <sup>27</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 32 <sup>27</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 32 <sup>27</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 32 <sup>27</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 32 <sup>27</sup> / <sub>32</sub> x 13
	Weight (Net/Shipping)	lbs	100/108	100/108	137/148	137/148	147.7/163.1	152.1/165.3	152.1/165.3
Unit Data	Min. Connectable Indoor Units	Qty	2	2	2	2	2	2	2
	Max. Connectable Indoor Units	Qty	2	3	4	4	2	3	4
	Max. Indoor Connected Capacity	Btu/h	24,000	33,000	40,000	48,000	24,000	33,000	40,000

## MULTI F MAX OUTDOOR UNITS

## MULTI F MAX with LGRED<sup>o</sup>

	Specification	Unit	LMU480HV	LMU540HV	LMU600HV	LMU360HHV	LMU420HHV
	ENERGY STAR <sup>®</sup> Matched Systems		 Non-Ducted			 Non-Ducted & Ducted	 Non-Ducted & Ducted
Capacity	Rated Cooling Capacity	Btu/h	48,000	52,500	60,000	36,000	42,000
	Cooling Capacity Range	Btu/h	14,400 ~ 58,000	14,400 ~ 63,200	15,600 ~ 68,000	11,700 ~ 46,733	11,700 ~ 53,897
	Rated Heating Capacity	Btu/h	54,000	58,000	64,000	41,000	45,000
	Heating Capacity Range	Btu/h	15,840 ~ 61,000	16,272 ~ 64,000	17,940 ~ 70,000	13,455 ~ 50,200	13,455 ~ 55,256
	Max. Heating Capacity at 17 °F	Btu/h	49,014	51,832	53,560	45,510	49,950
	Max. Heating Capacity at 5 °F	Btu/h	38,900	41,137	42,720	41,000	45,000
	Max. Heating Capacity at -4 °F	Btu/h	27,529	29,112	33,193	36,900	39,150
	Max. Heating Capacity at -13 °F	Btu/h	-	-	-	32,390	34,200
	SEER / EER		19.5 / 12.5	18.4 / 10.3	20.5 / 11.4	21 / 15	20.5 / 14
HSPF		10.0	8.7	11.0	11.5	11.0	
Power	Voltage	V - Ø - Hz	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
	Cooling Power Input	kW	3.84	5.1	5.26	2.4	3
	Heating Power Input	kW	4.32	5.4	5.33	2.93	3.3
	MCA / MOCP	A	27.3 / 40	29.4 / 40	32.2 / 45	30.2 / 45	30.2 / 45
	Power/Communication Wiring <sup>3</sup>	No. x AWG	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18	ODU → BDU: 4 x 16 BDU → IDU: 4 x 18
Dimensions & Weight	Dimensions (W x H x D)	in.	37 <sup>13</sup> / <sub>32</sub> x 54 <sup>11</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 54 <sup>11</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 54 <sup>11</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 54 <sup>11</sup> / <sub>32</sub> x 13	37 <sup>13</sup> / <sub>32</sub> x 54 <sup>11</sup> / <sub>32</sub> x 13
	Weight (Net/Shipping)	lbs	214/236	214/236	223/249	222.7/249.1	222.7/249.1
Unit Data	Min. Connectable Indoor Units	Qty	2	2	2	2	2
	Max. Connectable Indoor Units	Qty	8	8	8	5	6
	Max. Indoor Connected Capacity	Btu/h	65,000	73,000	81,000	48,000	56,000

Note:

1. Rated capacity at 0 ft. above sea level with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor unit.
2. Rated cooling capacity obtained with air entering the indoor unit at 80 °F dry bulb (DB) and 67 °F wet bulb (WB) and outdoor ambient conditions of 95 °F dry bulb (DB) and 75 °F wet bulb (WB). Rated heating capacity obtained with air entering the indoor unit at 70 °F dry bulb (DB) and 60 °F wet bulb (WB) and outdoor ambient conditions of 47 °F dry bulb (DB) and 43 °F wet bulb (WB). For capacity information, see engineering manual capacity tables. Capacities are based on connection of Non-Ducted indoor units.
3. All power/communication wiring minimum 4-conductor, stranded, shielded, and must comply with applicable local and national codes.
4. Due to our policy of innovation, some specifications may be changed without notification.

Visit [lgvac.com](http://lgvac.com) to locate LG installers in your area.

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