



Benefits of Multi F Systems

- Individual zone control
- Refrigerant piping lengths allow for extra design flexibility in indoor unit installation
- Low ambient operation to 14°F in cooling
- Heating operation down to 0°F
- Provides a quiet and comfortable environment
- Safer and easier installation with reduced ductwork; most indoor units can mount on any wall
- Indoor unit and outdoor unit dimensions ensure space saving convenience
- All-season use—heat pump models have both cooling and heating capabilities



About LG Electronics, Inc.

LG Electronics, Inc. is a global leader and technology innovator in consumer electronics, mobile communications, and home appliances, employing more than 213,000 people in more than 60 countries worldwide. LG's commercial air conditioning business unit was established in 1968, and offers VRF, Multi F, duct-free split systems, packaged terminal air conditioners (PTACs), and room air conditioners.

With LG, it's all possible.™

Multi F MAX Eight Zone

Multi F MAX Outdoor Unit

Multi F MAX multi-zone comfort solutions are air-conditioning systems that “split” into indoor units and outdoor units, providing a smart alternative to both central HVAC and window-mounted air conditioners. These Inverter heat pump systems are available in a variety of configurations to suit different cooling and heating situations.

Multi F MAX Systems

LG's Multi F MAX Inverter heat pumps can support up to eight indoor units, which are typically installed in separate rooms, providing zoning capabilities and cooling or heating for an entire home. Compact refrigerant pipes work in tandem with wiring to link the outdoor unit with all indoor units through a single or pair of branch distribution (BD) unit(s) (required accessory; sold separately).

Most indoor units include its own remote control, and many styles are offered: Art Cool™ Mirror wall-mounted, Art Cool Gallery™ wall-mounted, standard wall-mounted, four-way ceiling cassettes, ceiling-concealed duct (high and low static), and vertical-horizontal air handling models.



MULTI F MAX

Multi-Faceted...To the MAX!

Multi F MAX outdoor units can be used on a wide range of building applications: schools, hotels, hospitals, offices, condominium, and single-family residences.

Smaller Piping Lengths and Plenums

LG Multi F systems use refrigerant piping to move heat, resulting in smaller space requirements for piping. Flexible and logical placement of system components, reduced back-and-forth pipe lengths, and fewer connections lowers installation and materials costs.

Quality Commitment

LG is committed to the success of air-conditioning projects. We provide technical support during installation, and offer a variety of classes designed for installers and service providers. Classes are conducted at LG's training centers and in field locations at various times throughout the year and upon special request.

Multi F MAX Multi Zone System Outdoor Unit



**PMBD3620 Two-Port
BD Unit**



**PMBD3640 and PMBD3641
Four-Port BD Units**



**PMBD3630 Three-Port
BD Unit**



Eight-Zone LMU540HV

LMU540HV

52,500 Btu/h Cooling
58,000 Btu/h Heating

Features

- Advanced climate control for up to eight (8) zones
- Defrost; Restart delay (three [3] minutes)
- Self diagnosis; Soft start
- Inverter (Variable speed compressor)
- Low ambient operation to 14°F (Cooling mode)
- Heating operation down to 0°F
- Auto / auto restart operation
- Gold Fin™ anti-corrosion

Warranty: Five (5) years parts; seven (7) years compressor.

Model Number		LMU540HV
Rated Cooling Capacity (Btu/h)		52,500
Rated Heating Capacity (Btu/h)		58,000
Power Input	Cooling (kW)	5.10
	Heating (kW)	5.40
Running Current	Cooling (A)	24.5
	Heating (A)	25.7
Power Supply (Phase / V / Hz)		1 / 208-230 / 60
Power Wiring / Communication Cable to the BD Units (No. x AWG)		4 x 16
Dimensions (W x H x D) (in.)		37-13/32 x 54-11/32 x 13
Net Unit Weight (lbs.)		213.8
Min. / Max. Number Indoor Units / System		2 / 8
Refrigerant	Factory Charge (lbs.)	9.7
	Type / Control / Location	R410A / EEV / Outdoor Unit, Branch Distribution Unit(s)
Sound Pressure Level Cooling / Heating (dB[A])		54 / 56
Piping Connections	Liquid (in., OD) x Qty.	3/8 x 1
	Vapor (in., OD) x Qty.	3/4 x 1
Max. Total Piping (ft)		476
Max. Outdoor Unit to Indoor Unit Piping (ft.)		230
Piping Length (No Additional Refrigerant [ft.])		147
Max. Elevation Difference	Outdoor ~ Indoor (ft.)	98
	Indoor ~ Indoor (ft.)	49
Operation Range	Cooling (°F DB)	14 - 118
	Heating (°F WB)	0 - 64

Efficiency Ratings

System	Indoor Unit Combo.	Nominal Cooling (Btu/h)	EER	SEER	Nominal Heating (Btu/h)	COP	HSPF	Low Heating (Btu/h)	COP	Energy Star
LMU540HV	Non-Ducted	52,500	10.3	18.4	58,000	3.1	8.7	36,600	2.6	Yes
	Ducted	51,000	10.0	15.8	58,000	3.0	8.0	38,500	2.6	-
	Ducted & Non-Ducted	51,750	10.15	17.1	58,000	3.0	8.35	37,550	2.6	-

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