Job Name/Location: **Tag #:**

Date: For: ☐ File ☐ Resubmit ☐ Approval ☐ Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:

(Company) (Project Manager)

LMU360HHV
Multi F MAX with LGRED° Heat Pump Outdoor Unit

LG Life's Good

Performance:

Cooling (Min-Rated-Max, Btu/h)	11,700~36,000~46,733
Heating (Min-Rated-Max, Btu/h)	13,455~41,000~50,200
Max Heating at 5°F (Btu/h)	41,000
Cooling Power Input (Min-Rated-Max, kW)	0.72 ~ 2.40 ~ 3.75
Heating Power Input (Min-Rated-Max, kW)	0.96 ~ 2.93 ~ 3.94

Cooling Nominal Test Conditions:
Indoor: 80°F DB/67°F WB
Outdoor: 95°F DB/75°F WB

Heating Nominal Test Conditions:
Indoor: 70°F DB/60°F WB
Outdoor: 47°F DB/43°F WB

Electrical:

Power Supply (V[1]/Hz/Ø)	208-230/60/1
MOP (A)	45
MCA (A)	30.2
Cooling Rated Amps (A)	25.06
Heating Rated Amps (A)	25.06
Compressor (A)	20.4
Fan Motor (A)	0.73 x 2

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Refrigerant Charge (lbs.)	12.34
Liquid Line (in, OD)	Ø3/8 x 1
Vapor Line (in, OD)	Ø3/4 x 1
Max Total Piping[2] (ft)	475.7
Max ODU to IDU Piping[3] (ft)	229.6
Piping Length[4] (no add'l refrigerant, ft)	147.6
Max Elevation between ODU and IDU (ft)	98.4
Max Elevation between IDU and IDU (ft)	49.2

ODU - Outdoor Unit IDU - Indoor Unit

Controls Features:

- Auto operation
- Auto restart
- Defrost/Deicing
- Inverter (variable speed compressor)
- Low ambient operation to 14F (cooling mode)
- Restart delay (3-minutes)
- Self diagnosis
- Soft start
- Factory installed Drain Pan Heater

Optional Accessories:

- ☐ PI-485 Integration Board - PMNFP14A1
- ☐ AC Smart IV - PACS4B000
- ☐ ACP IV - PACP4B000
- ☐ Power Distribution Indicator - PQNUD1S41
- ☐ MultiSITE™ CM - PBACNBTR0A
- ☐ LonWorks® Gateway - PLNWKB100
- ☐ Y-Branch - PMBL5620
- ☐ ACP IV BACnet Gateway - PQNFB17C2
- ☐ AC Smart IV BACnet® Gateway - PBACNA000
- ☐ Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP04A x2

Required[5] Accessories:

- ☐ 2 Port BD Unit - PMBD3620
- ☐ 3 Port BD Unit - PMBD3630
- ☐ 4 Port BD Unit - PMBD3640
- ☐ 4 Port BD Unit - PMBD3641

Operating Range:

Cooling (°F DB)	14 to +118
Heating (°F WB)	-13 to +75

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure[3] (Cool/Heat) ±3 dB(A)	54 / 57
Net/Shipping Weight (lbs)	222.7/249.1
Heat Exchanger Coating	GoldFin™
Min Number of Indoor Units	2
Max Number of Indoor Units	5

Compressor:

Quantity	1
Type	Twin Rotary
Oil/Type	FVC68D

Fan:

Type	Propeller
Quantity	2
Fan Motor/Drive	Brushless Digitally Controlled/Direct
Airflow Rate (CFM)	2,119 x 2

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Piping lengths are equivalent.
3. 180.4 ft of Main Piping + 49.2 ft of Branch Piping.
4. 16 ft of Main Piping + 131 ft of Branch Piping.
5. At least one BD Unit is required for system operation; a maximum of two can be installed per ODU with use of Y-branch accessory (PMBL5620).
6. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
7. All power/communication cable to be minimum 16 AWG from the outdoor unit to the BD unit and 18 AWG from the BD unit to the indoor unit.
8. All power/communication cable to be 4-conductor, stranded, shielded and must comply with applicable local and national code.
9. Power wiring cable size must comply with the applicable local and national code.
10. See Performance Data Manual Capacity Tables for ODU sensible and latent capacities.
11. See Combination Data Manual for allocation of ODU rated capacity to each connected IDU when all are calling for full capacity. Allocation percentages should be applied to ODU capacity at design conditions.
12. This data is rated 0 ft above sea level, with 115 ft of refrigerant line and a 0 ft level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.
13. Must follow installation instructions in the applicable LG installation manual.

ENERGY STAR

Intertek

AHRI CERTIFIED™ www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI

BACnet® is a registered trademark of ASHRAE. LonWorks is a trademark of Echelon Corporation. Energy Star rating at least for Non-Ducted combinations; refer to AHRI directory for complete list.

For a complete list of available accessories, contact your LG representative.

For continual product development, LG reserves the right to change specifications without notice.

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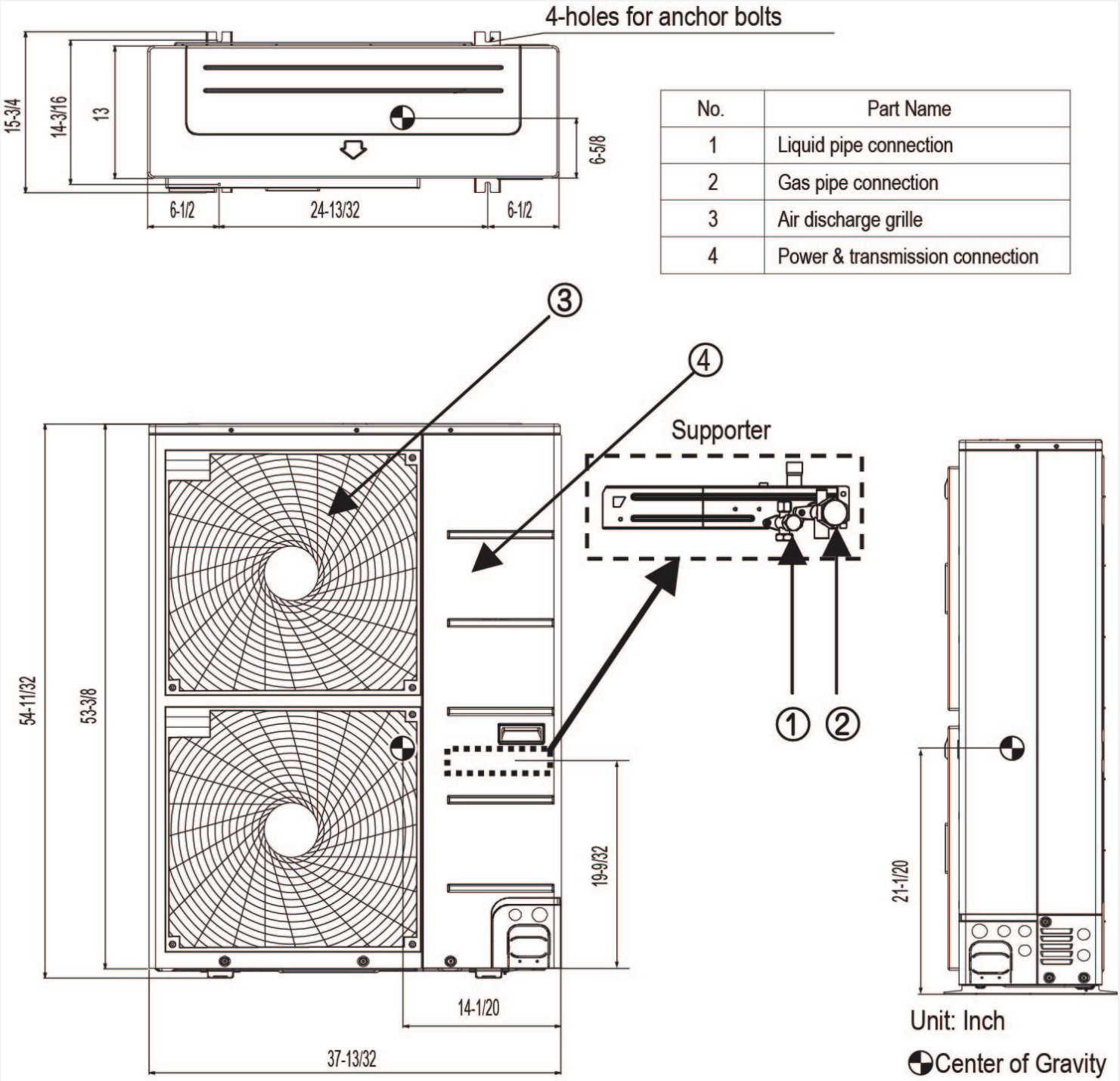

No.	Part Name
1	Liquid pipe connection
2	Gas pipe connection
3	Air discharge grille
4	Power & transmission connection

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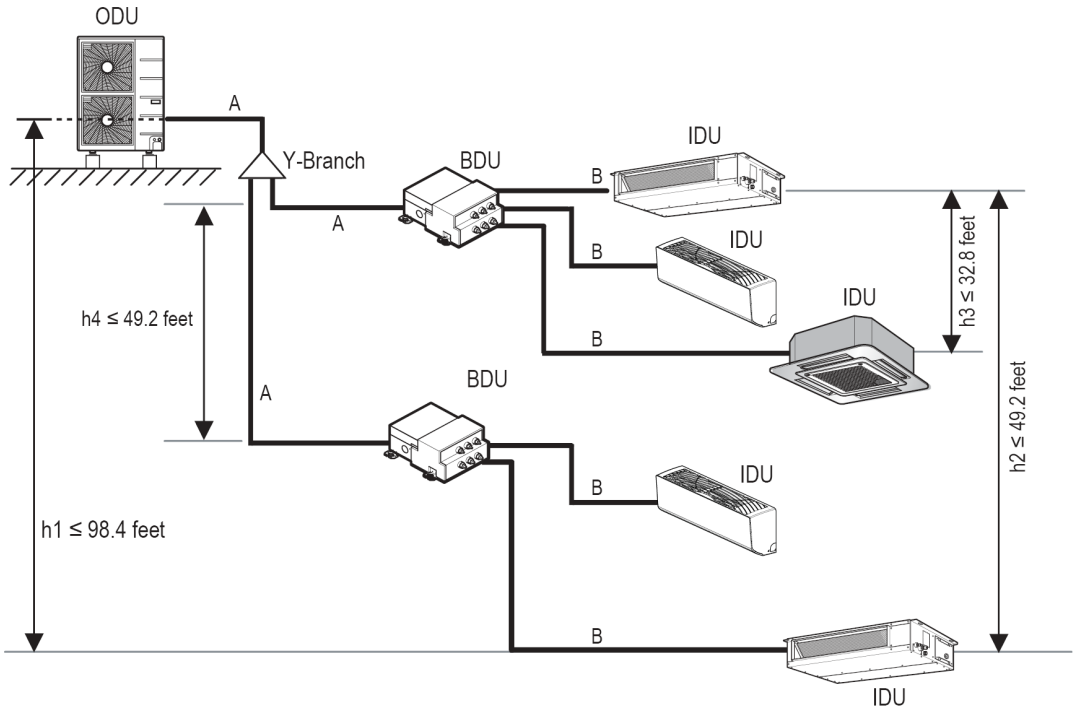


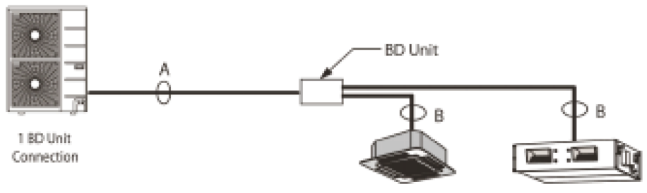
Multi F MAX with LGRED Outdoor Unit Refrigerant Piping System Limitations.

Pipe Length (ELF = Equivalent Length of pipe in Feet)	Total piping length (ΣA + ΣB)		≤475.7 feet
	Main pipe (Outdoor Unit to Branch Distribution Units: ΣA)	Minimum	10 feet
		Maximum	≤180.4 feet
	Total branch piping length (ΣB)		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: B)	Minimum	10 feet
		Maximum	≤49.2 feet
Elevation Differential (All Elevation Limitations are Measured in Actual Feet)	If outdoor unit is above or below indoor unit (h1)		≤98.4 feet
	Between the farthest two indoor units (h2)		≤49.2 feet
	Between branch distribution unit and farthest connected indoor unit(s) (h3)		≤32.8 feet
	Between branch distribution units (h4)		≤49.2 feet

Example: Multi F MAX with LGRED LMU360HHV outdoor unit with five (5) indoor units and two (2) branch distribution units connected.

ODU: Outdoor Unit.
IDU: Indoor Unit.
BD: Branch Distribution Unit(s).
ΣA: Main Pipe.
ΣB: Branch Pipe (Branch Distribution Unit[s] to Indoor Unit[s]).

Installing the Unit



Piping Sizes

	A (inch)	B
Liquid	Ø 3/8	Adjust to indoor unit piping size
Gas	Ø 3/4