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

Date:

PO No.:

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

PMBD3630
3-Port Branch Distribution Unit (BD Unit)

Performance:

Max Nominal Port Capacity Btu/h (each port)	24,000
Max Nominal Unit Capacity Btu/h (sum of ports)	72,000
Power Input (W)	24

Electrical:

Power Supply (V¹/Hz/Ø)	208-230/60/1
Rated Amps (A)	0.12

Piping:

Piping Connection to Outdoor Unit:

Liquid Line (in, OD)	3/8
Vapor Line (in, OD)	3/4

Piping Connection to Indoor Unit:

Liquid Line (in, OD)	1/4 (Qty 3)
Vapor Line (in, OD)	3/8 (Qty 3)

Standard Features:

- Distributes refrigerant to indoor units
- Internal components are insulated
- Flare joints provided for easy installation
- Compact design

Operating Range:

Operating Range (°F DB)	0-150

Unit Data:

Net Weight (lbs)	15
Shipping Weight (lbs)	17

Notes:

1.Acceptable operating voltage: 187V-253V.
2.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.
3.All power/communication cable to be 4-conductor, stranded, shielded and must comply with applicable local and national code.
4.Piping lengths:
- Maximum height difference between BD unit and indoor units - 32.8 ft
- Maximum height difference between BD unit and BD unit - 49.2 ft.
- Maximum piping length between BD unit and indoor units - 49.2 ft

5.The BD unit should be installed inside of a building.
6.Must follow installation instructions in the applicable LG installation manual.
7.Power wiring cable size must comply with the applicable local and national code.

Job Name/Location:

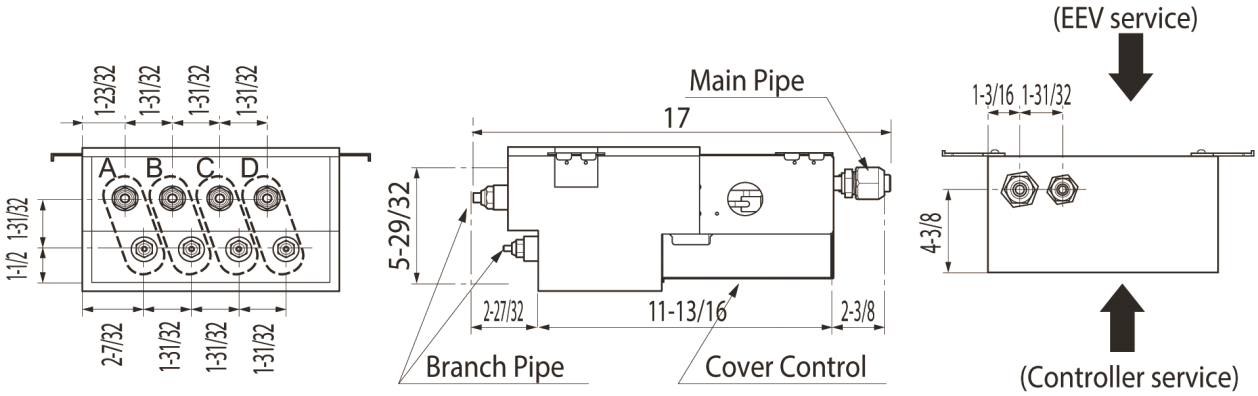
PMBD3630

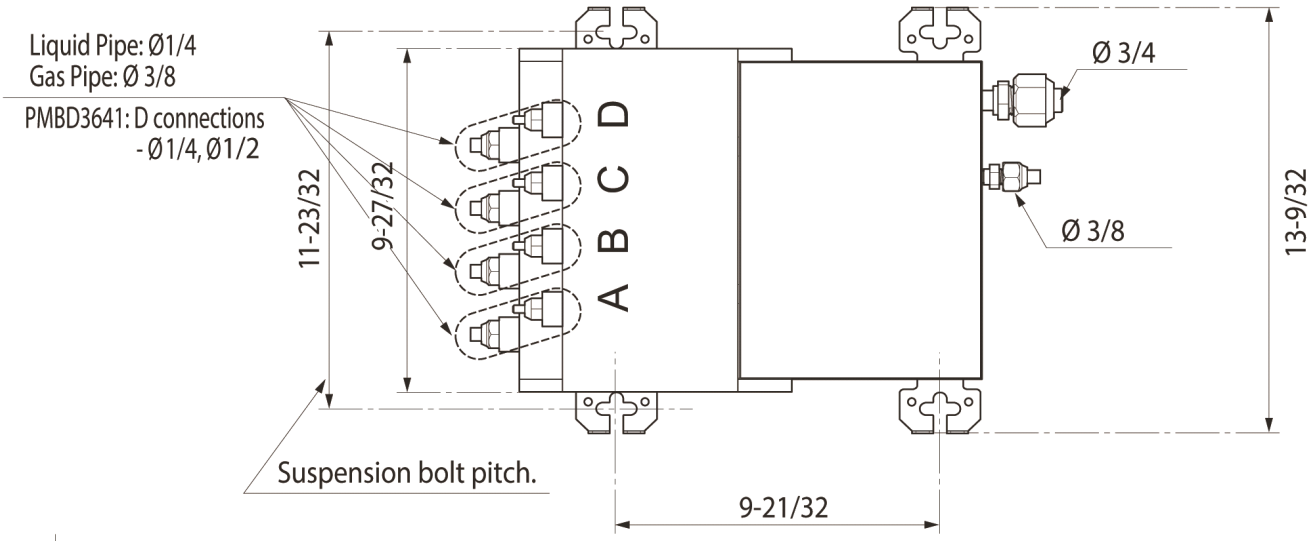
3-Port Branch Distribution Unit (BD Unit)

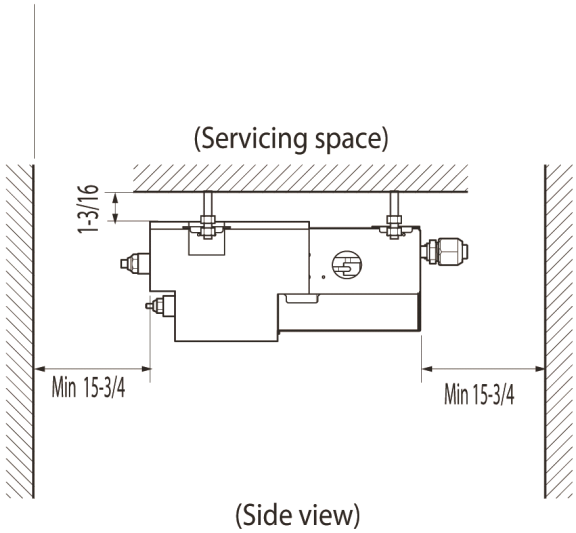
Tag #:

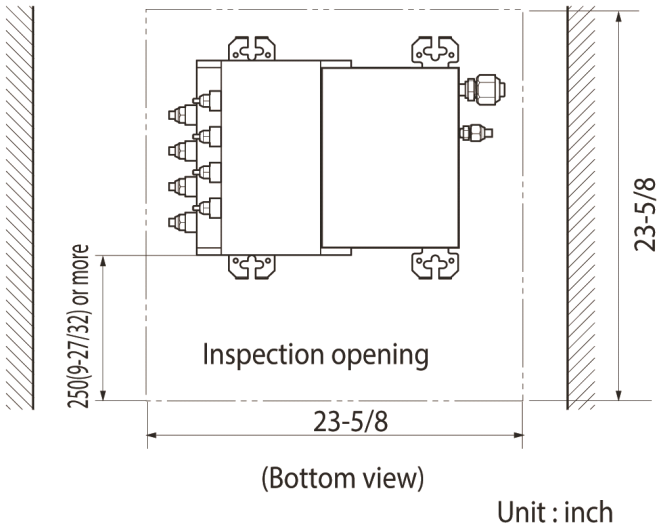
Date:

PO No.:









Unit : inch

Notes

1. For PMBD3620 unit, ports A and B are available.
2. For PMBD3630 unit, ports A, B and C are available.
3. For PMBD3640 and PMBD3641 units, ports A, B, C and D are available.

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

Date:

PO No.:

For: File Approval Resubmit Other_____

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

LMN159HVT
Multi F Wall Mounted High Efficiency Indoor Unit
14,300 Btu/h

LG Life's Good

Performance:

Nominal Cooling Capacity (Btu/h)	14,300
Nominal Heating Capacity (Btu/h)	15,600

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
Rated Amps (A)	0.4

Piping:

Installed Liquid Pipe (in., O.D.)	ø1/4
Installed Vapor Pipe (in., O.D.)	ø3/8
Liquid Connection (in., O.D.)	ø1/4
Vapor Connection (in., O.D.)	ø3/8
Drain (in., O.D. / I.D.)	27/32 , 5/8
Temperature Sensor	Thermistor

Controls Features:

- 4-Way auto swing
- 24-Hour on/off timer
- Auto operation
- Auto restart
- Chaos wind
- Inverter (variable speed fan)
- Jet cool/Jet heat
- 3M Micro Dust Filter
- Self-cleaning indoor coil
- Sleep mode
- Condensate sensor connection
- Built-in Wi-Fi via Smart ThinQ app

Included Accessories:

- Wireless Remote Controller — AKB74955602

Optional Accessories:

☐ MultiSITE™ CRC1 - PREMTBVC0
☐ MultiSITE CRC1+ - PREMTBVC1
☐ Dry Contact - PDRYCB300

Entering Mixed Air:

Cooling (°F DB)	57 ~ 77
Heating (°F WB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) (±3 dB[A])[2]	42 / 38 / 32
Primary Filter	Washable Pre-filter
Secondard Filter	3M Micro Dust
Net Weight (lbs.)	18.3
Shipping Weight (lbs.)	23.4

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	314 / 268 / 184

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. See Engineering Manual for sensible and latent capacities.
4. All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 18 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
5. Power wiring cable size must comply with the applicable local and national code.
6. The indoor unit comes with a dry helium charge.
7. Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 - 105%.
8. 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

For a complete list of available accessories, contact your LG representative.
For continual product development, LG reserves the right to change specifications without notice.

Job Name/Location: _____

LMN159HVT

Multi F Wall Mounted High Efficiency Indoor Unit

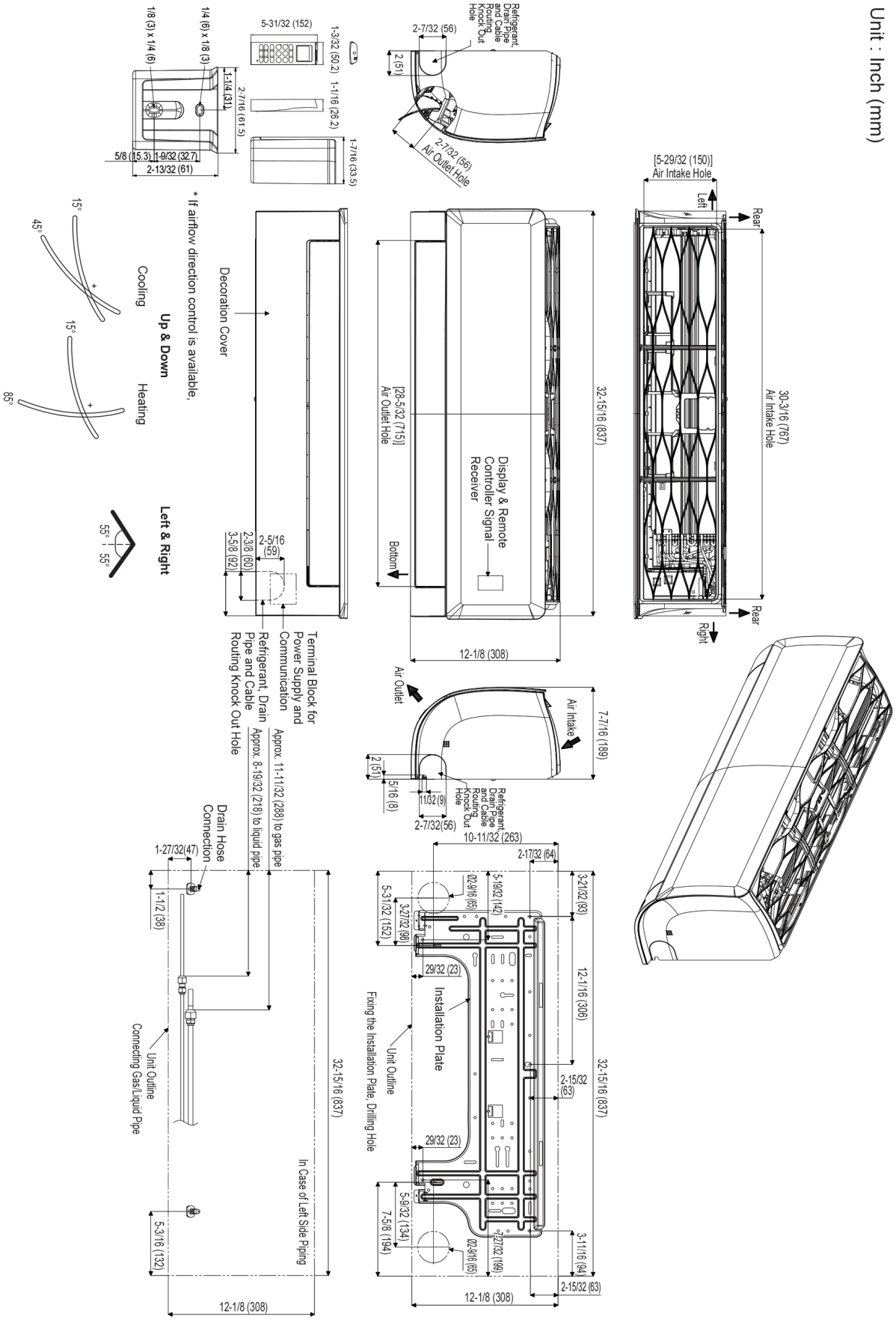
14,300 Btu/h

Tag No.: _____

Date: _____

PO No.: _____

Unit : Inch (mm)



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

Date:

PO No.:

For: File Approval Resubmit Other_____

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

LMN159HVT
Multi F Wall Mounted High Efficiency Indoor Unit
14,300 Btu/h

LG Life's Good

Performance:

Nominal Cooling Capacity (Btu/h)	14,300
Nominal Heating Capacity (Btu/h)	15,600

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
Rated Amps (A)	0.4

Piping:

Installed Liquid Pipe (in., O.D.)	ø1/4
Installed Vapor Pipe (in., O.D.)	ø3/8
Liquid Connection (in., O.D.)	ø1/4
Vapor Connection (in., O.D.)	ø3/8
Drain (in., O.D. / I.D.)	27/32 , 5/8
Temperature Sensor	Thermistor

Controls Features:

- 4-Way auto swing
- 24-Hour on/off timer
- Auto operation
- Auto restart
- Chaos wind
- Inverter (variable speed fan)
- Jet cool/Jet heat
- 3M Micro Dust Filter
- Self-cleaning indoor coil
- Sleep mode
- Condensate sensor connection
- Built-in Wi-Fi via Smart ThinQ app

Included Accessories:

- Wireless Remote Controller — AKB74955602

Optional Accessories:

☐ MultiSITE™ CRC1 - PREMTBVC0
☐ MultiSITE CRC1+ - PREMTBVC1
☐ Dry Contact - PDRYCB300

Entering Mixed Air:

Cooling (°F DB)	57 ~ 77
Heating (°F WB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) (±3 dB[A])[2]	42 / 38 / 32
Primary Filter	Washable Pre-filter
Secondard Filter	3M Micro Dust
Net Weight (lbs.)	18.3
Shipping Weight (lbs.)	23.4

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	314 / 268 / 184

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. See Engineering Manual for sensible and latent capacities.
4. All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 18 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
5. Power wiring cable size must comply with the applicable local and national code.
6. The indoor unit comes with a dry helium charge.
7. Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 - 105%.
8. 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

For a complete list of available accessories, contact your LG representative.
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Job Name/Location: _____

LMN159HVT

Multi F Wall Mounted High Efficiency Indoor Unit

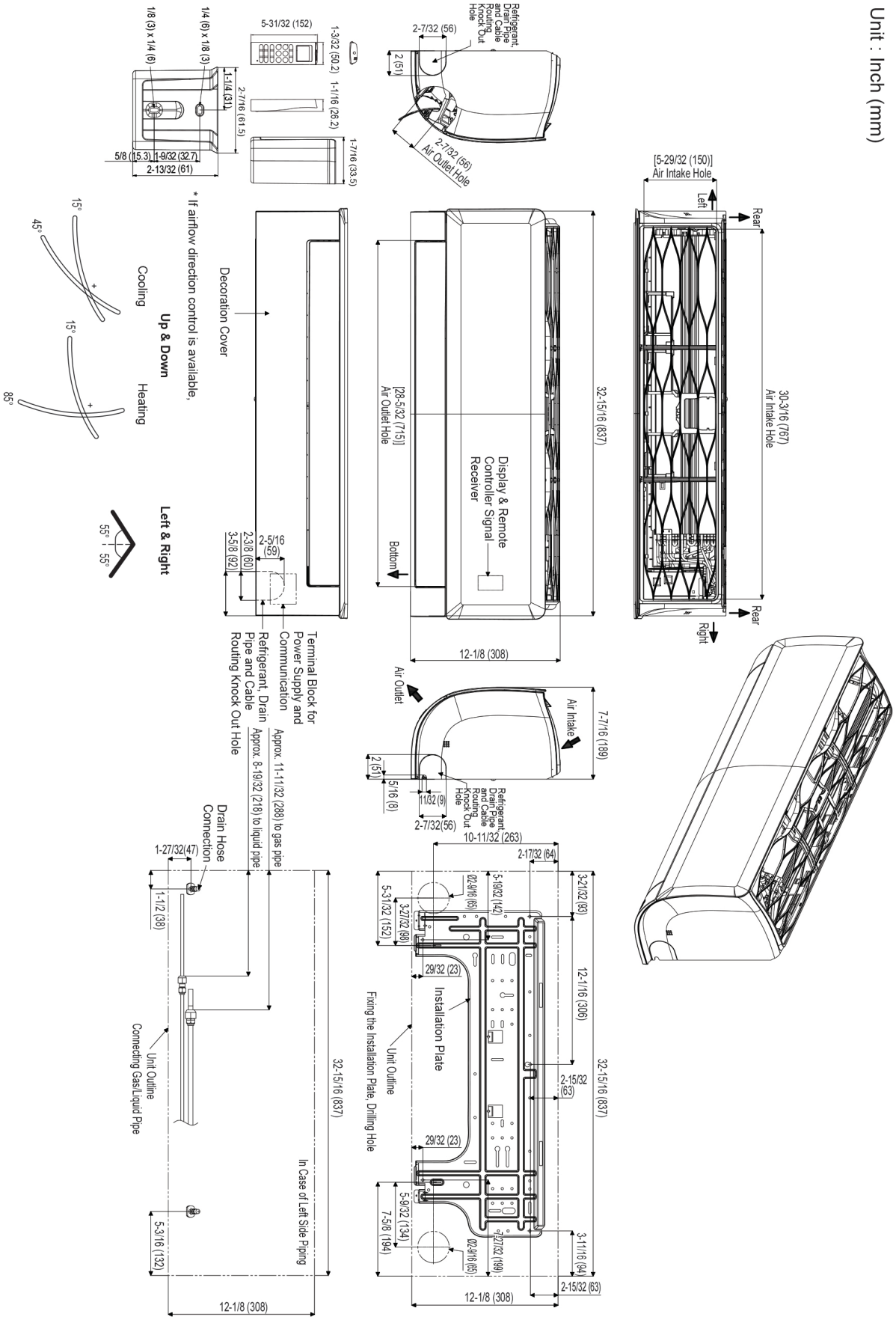
14,300 Btu/h

Tag No.: _____

Date: _____

PO No.: _____

Unit : Inch (mm)



Job Name/Location: **Tag No:**

Date:

PO No.:

For: File Resubmit Approval Other _____

Architect: **GC:**

Engr: **Mech:**

Rep:
(Company) (Project Manager)

LMU480HHV
Multi F MAX with LGRED° Outdoor Unit
4.0 Ton Heat Pump

Performance:

Cooling Capacity (Min.-Rated-Max., Btu/h)	10,800~48,000~58,000
Heating Capacity (Min.-Rated-Max., Btu/h)	12,420~52,500~59,000
Max. Heating Capacity at 17°F (Btu/h)	56,740
Max. Heating Capacity at 5°F (Btu/h)	52,840
Max. Heating Capacity at -4°F (Btu/h)	46,010
Max. Heating Capacity at -13°F (Btu/h)	39,870
Cooling COP @95°F (Rated)	3.84
Heating COP @47°F (Rated)	3.62

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/Hz/Ø)[1]	208-230V, 60, 1
MOP (A)	40
MCA (A)	32.7
Cooling Rated Amps (A)	29.2
Heating Rated Amps (A)	29.2
Compressor (A)	22.0
Fan Motor (A)	1.6 x 2
Locked Rotor Amps (A)	22

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Refrigerant Charge (lbs.)	11.46
Liquid Line Connection (in., O.D.)	Ø3/8 x 1
Vapor Line Connection (in., O.D.)	Ø3/4 x 1
Maximum Total Piping[2] (ft.)	475.7
Min. / Max. ODU to IDU Piping[3] (ft.)	32.8 / 229.6
Piping Length[4] (no add'l refrigerant, ft.)	180.4
Maximum Elevation between ODU and IDU (ft.)	98.4
Maximum Elevation between IDU and IDU (ft.)	49.2

ODU = Outdoor Unit IDU = Indoor Unit

Features:

- R1 Scroll (Variable Speed) Compressor
- Auto operation
- Auto restart
- Self diagnosis
- Defrost / Deicing
- Low ambient cooling down to 14°F
- Soft start
- Restart delay (three [3] minutes)
- Factory installed Drain Pan Heater

Optional Accessories:

☐ PI-485 - PMNFP14A1
☐ AC Smart 5 - PACS5A000
☐ ACP 5 - PACP5A000
☐ MultiSITE™ Comm. Mgr. - PBACNBTR0A
☐ Power Distribution Indicator (PDI) Premium - PQNUD1S41
☐ Mobile LGMV - PLGMVW100
☐ Low Ambient Wind Baffle (Cooling Operation Down 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 +64

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (Cool / Heat) ±1 dB(A)[6]	54 / 56
Net / Shipping Weight (lbs.)	218 / 243
Heat Exchanger Coating	Gold Fin™
Minimum No. of Indoor Units	2
Maximum No. of Indoor Units	8

Compressor:

Type	R1 Scroll
Quantity	1
Oil / Type	FVC68D

Fan:

Type	Propeller
Quantity	2
Motor / Drive	Brushless Digitally Controlled/Direct
Max. 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. 49.2 ft. of Main Piping + 131.2 of Branch Piping.
5. At least one branch distribution (BD) unit is required for system operation; a maximum of two can be installed per ODU with the use of a Y-branch accessory (PMBL5620).
6. Sound pressure levels are tested in an anechoic chamber under ISO Std. 3745.
7. All power / communication cable to be minimum 14 AWG from the ODU to the BD unit, and 14 AWG from the BD unit to the IDU.
8. All power / commuication cable to be 4-conductor, stranded, shielded or unshielded, and must comply with applicable local and national codes. If shielded, the wire must be grounded to the chassis at the ODU only.
9. Power wiring size must comply with the applicable local and national codes.
10. See the Engineering Manual Capacity Tables for ODU sensible and latent capacities.
11. See the Engineering Manual Combination Tables 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 0 ft. level difference between ODU and IDUs, and the following refrigerant pipe lengths:
    LMU361HHV: 16.4 ft. Main + (16.4 ft. Branch x 5) = 98.4 ft.
    LMU421HHV: 16.4 ft. Main + (16.4 ft. Branch x 6) = 114.8 ft.
    LMU480HHV: 16.4 ft. Main + (16.4 ft. Branch x 8) = 147.6 ft.
    All capacities are net with a combination ratio between 95 - 105%.
13. Must follow installation instructions in the applicable LG installation manual.
14. See the Engineering Manual Capacity Tables for ODU capacity at design conditions.

ENERGY STAR 162279 US Inverter AHRI CERTIFIED® www.ahridirectory.org Unitary Small HP AHRI Standard 210/240

For a complete list of available accessories, contact your LG representative.
For continual product development, LG reserves the right to change specifications without notice.

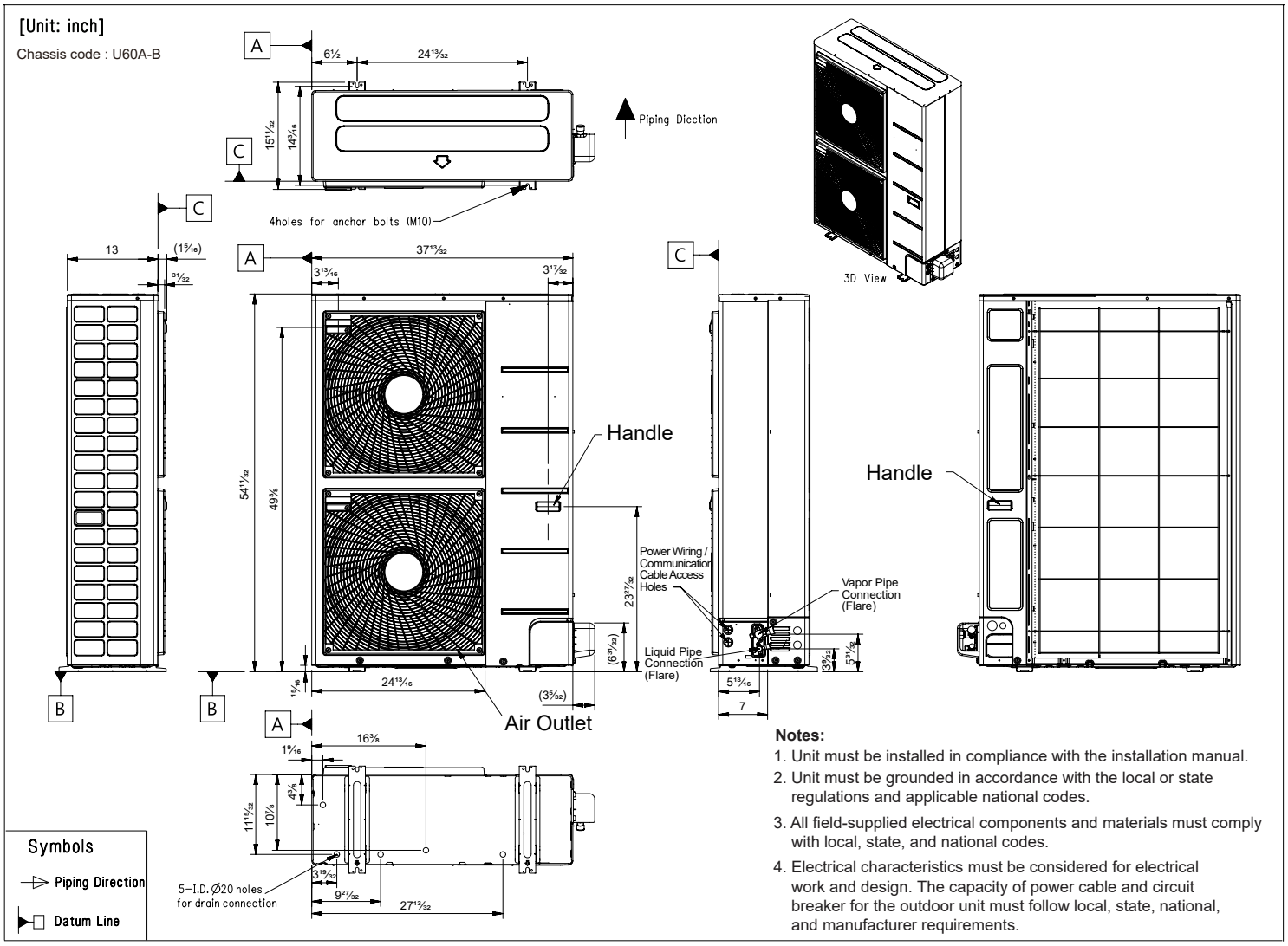
Job Name/Location: _____

LMU480HHV
Multi F MAX with LGRED° Outdoor Unit
4.0 Ton Heat Pump

Tag No.: _____

Date: _____

PO No.: _____



Notes:

1. Unit must be installed in compliance with the installation manual.
2. Unit must be grounded in accordance with the local or state regulations and applicable national codes.
3. All field-supplied electrical components and materials must comply with local, state, and national codes.
4. Electrical characteristics must be considered for electrical work and design. The capacity of power cable and circuit breaker for the outdoor unit must follow local, state, national, and manufacturer requirements.

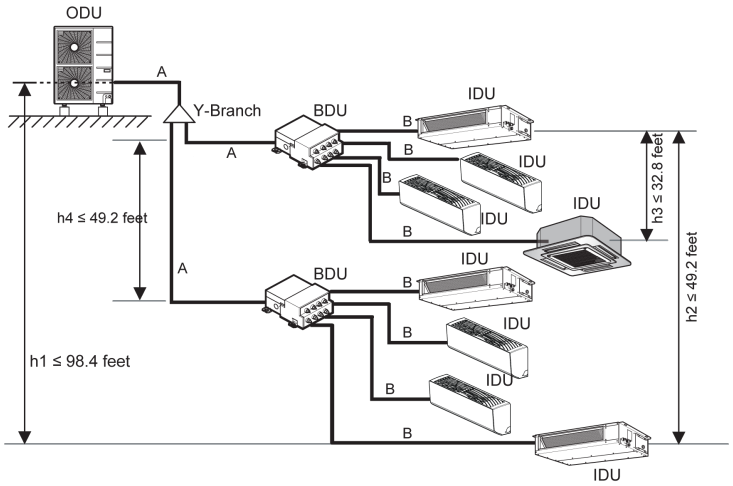
Job Name/Location: _____

LMU480HHV
Multi F MAX with LGRED° Outdoor Unit
4.0 Ton Heat Pump

Tag No.: _____

Date: _____

PO No.: _____

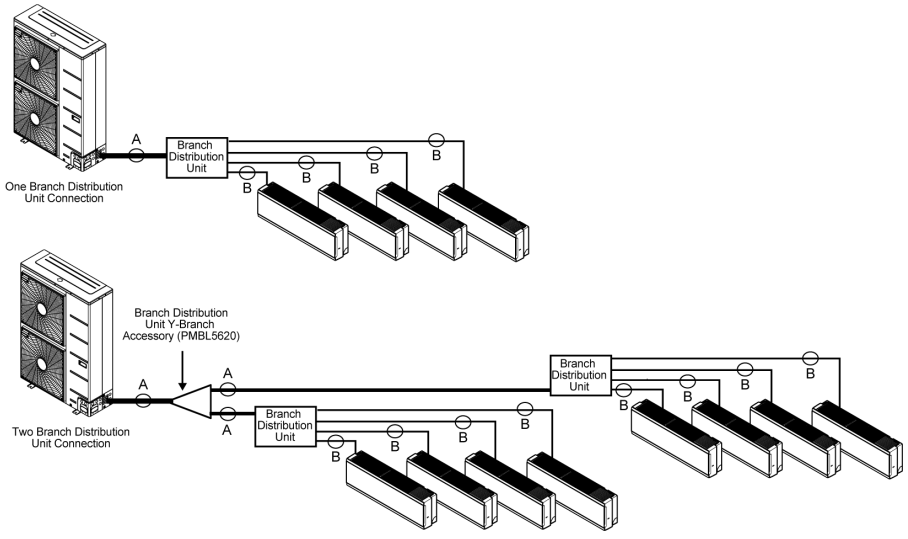


Example: LMU480HHV outdoor unit with eight (8) indoor units and two (2) branch distribution units connected.
ODU: Outdoor Unit.
IDU: Indoor Unit.
BDU: Branch Distribution Unit(s).
A: Main Pipe.
B: Branch Pipe (Branch Distribution Unit[s] to Indoor Unit[s]).

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: A)	**Minimum for Each (A) Piping Segment**	16.4 feet
		Maximum (ΣA)	≤180.4 feet
	Total branch piping length (ΣB)		≤295.3 feet
	Branch pipe (Branch Distribution Units to Indoor Units: B)	**Minimum**	16.4 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

Installing the Unit



Multi F MAX with LGRED Piping Sizes.

Piping	Main Pipe A (inch)	Branch Pipe B
Liquid	Ø3/8	Depends on the size of the indoor unit piping.
Vapor	Ø3/4	

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

Date:

PO No.:

For: File Approval Resubmit Other_____

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

LSN120HSV5
Multi F Wall Mounted High Efficiency Indoor Unit
12,000 Btu/h

LG Life's Good

Performance:

Nominal Cooling Capacity (Btu/h)	12,000
Nominal Heating Capacity (Btu/h)	13,600

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/Hz/Ø)	208-230/60/1
Rated Amps (A)	0.4

Piping:

Installed Liquid Pipe (in., O.D.)	ø1/4
Installed Vapor Pipe (in., O.D.)	ø3/8
Liquid Connection (in., O.D.)	ø1/4
Vapor Connection (in., O.D.)	ø3/8
Drain (in., O.D. / I.D.)	27/32 , 5/8
Temperature Sensor	Thermistor

Controls Features:

- 4-Way auto swing
- 24-Hour on/off timer
- Auto operation
- Auto restart
- Chaos wind
- Inverter (variable speed fan)
- Jet cool/Jet heat
- 3M Micro Dust Filter
- Self-cleaning indoor coil
- Sleep mode
- Condensate sensor connection
- Built-in Wi-Fi via Smart ThinQ app
- Compatible with Single Zone HSV5 Outdoor Units

Included Accessories:

- Wireless Remote Controller — AKB74955602

Optional Accessories:

☐ MultiSITE™ CRC1 - PREMTBVC0
☐ MultiSITE CRC1+ - PREMTBVC1
☐ Dry Contact - PDRYCB300

Entering Mixed Air:

Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) (±3 dB[A])[2]	38 / 34 / 29
Primary Filter	Washable Pre-filter
Secondary Filter	3M Micro Dust
Net Weight (lbs.)	18.3
Shipping Weight (lbs.)	23.4

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	282 / 233 / 177

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
3. See Engineering Manual for sensible and latent capacities.
4. All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 18 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
5. Power wiring cable size must comply with the applicable local and national code.
6. The indoor unit comes with a dry helium charge.
7. Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 - 105%.
8. 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.

For a complete list of available accessories, contact your LG representative.
For continual product development, LG reserves the right to change specifications without notice.

Job Name/Location: _____

LSN120HSV5

Multi F Wall Mounted High Efficiency Indoor Unit

12,000 Btu/h

Tag No.: _____

Date: _____

PO No.: _____

Unit : Inch (mm)