

Job Name/Location:

Tag No:

Date:

For: File Resubmit
Approval Other

PO No.:

Architect: **GC:**

Engr: **Mech:**

Rep:
(Company) (Project Manager)

LMU243HV

Multi F Inverter Heat Pump Outdoor Unit



Performance:

Cooling Capacity (Min.-Rated-Max., Btu/h)	8,400~24,000~25,000
Heating Capacity (Min.-Rated-Max., Btu/h)	10,080~24,600~29,000
Max. Heating Capacity at 5°F (Btu/h)	18,400
Max. Heating Capacity at 0°F (Btu/h)	16,730
Max. Heating Capacity at -4°F (Btu/h)	15,400
EER2	12.5
SEER2	22.5
COP	4.2
HSPF2	9.4

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)	20
MCA (A)	16.0
Recommended Fuse Size (A)	20
Cooling Rated Amps (A)	13.0
Heating Rated Amps (A)	13.0
Compressor (A)	12.0
Fan Motor (A)	0.40
Locked Rotor Amps (A)	16.0

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Refrigerant Charge (lbs.)	3.97
Liquid Line Connection (in., O.D.)	1/4 x 3
Vapor Line Connection (in., O.D.)	3/8 x 3
Maximum Total Piping ² (ft.)	230.0
Min. / Max. ODU to IDU Piping (ft.)	9.8 / 82.0
Piping Length (no add'l refrigerant, ft.)	98.4
Maximum Elevation between ODU and IDU (ft.)	49.2
Maximum Elevation between IDU and IDU (ft.)	24.6

ODU = Outdoor Unit

IDU = Indoor Unit

Features:

- Auto operation
- Auto restart
- Inverter (variable speed compressor)
- Defrost / Deicing
- Restart delay (three [3] minutes)
- Self diagnosis
- Soft start
- Low ambient cooling down to 14°F

Optional Accessories:

- ☐ PI-485 - PMNFP14A1
- ☐ MultiSITE Comm. Mgr. - PBACNBTR0A
- ☐ AC Smart 5 - PACS5A000
- ☐ ACP 5 - PACP5A000
- ☐ Power Distribution Indicator (PDI) Premium - PQNUD1S41
- ☐ Mobile LGMV - PLGMVW100
- ☐ Drain Pan Heater - PQSH1203
- ☐ Low Ambient Baffle Kit (Cooling operation to -4°F) - ZLABGP03A



162279



Operating Range:

Cooling (°F DB)	14 to 118
Heating (°F WB)	-4 to +64

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (Cool / Heat) ±1 dB(A) ³	50 / 54
Net / Shipping Weight (lbs.)	101.4 / 110.2
Heat Exchanger Coating	Gold Fin™
Minimum No. of Indoor Units	2
Maximum No. of Indoor Units	3

Compressor:

Type	Twin Rotary
Quantity	1
Oil / Type	FVC68D

Fan:

Type	Propeller
Quantity	1
Motor / Drive	Brushless Digitally Controlled/Direct
Max. Airflow Rate (CFM)	1.766

Notes:

1. Acceptable operating voltage: 187V - 253V.
2. Piping lengths are equivalent.
3. Sound pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. All power / communication cable to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded wire, and must comply with applicable local and national codes. If shielded, the wire must be grounded to the chassis at the outdoor unit only.
5. Power wiring size must comply with the applicable local and national codes.
6. This data is rated 0 ft. above sea level, with 0 ft. level difference between outdoor and indoor units, and the following refrigerant pipe lengths:
LMU183HV: 16.4 ft. x 2 = 32.8 ft.
LMU243HV: 16.4 ft. x 3 = 49.2 ft.
LMU303HV: 16.4 ft. x 4 = 65.6 ft.
LMU363HV: 16.4 ft. x 4 = 65.6 ft.
All capacities are net with a combination ratio between 95 - 105%.
7. Must follow installation instructions in the applicable LG installation manual.
8. Refer to the Combination Data Manual for combination capacity tables.
9. See the Performance Data Manual for sensible and latent capacities.

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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Job Name/Location: _____

LMU243HV

Multi F Inverter Heat Pump Outdoor Unit

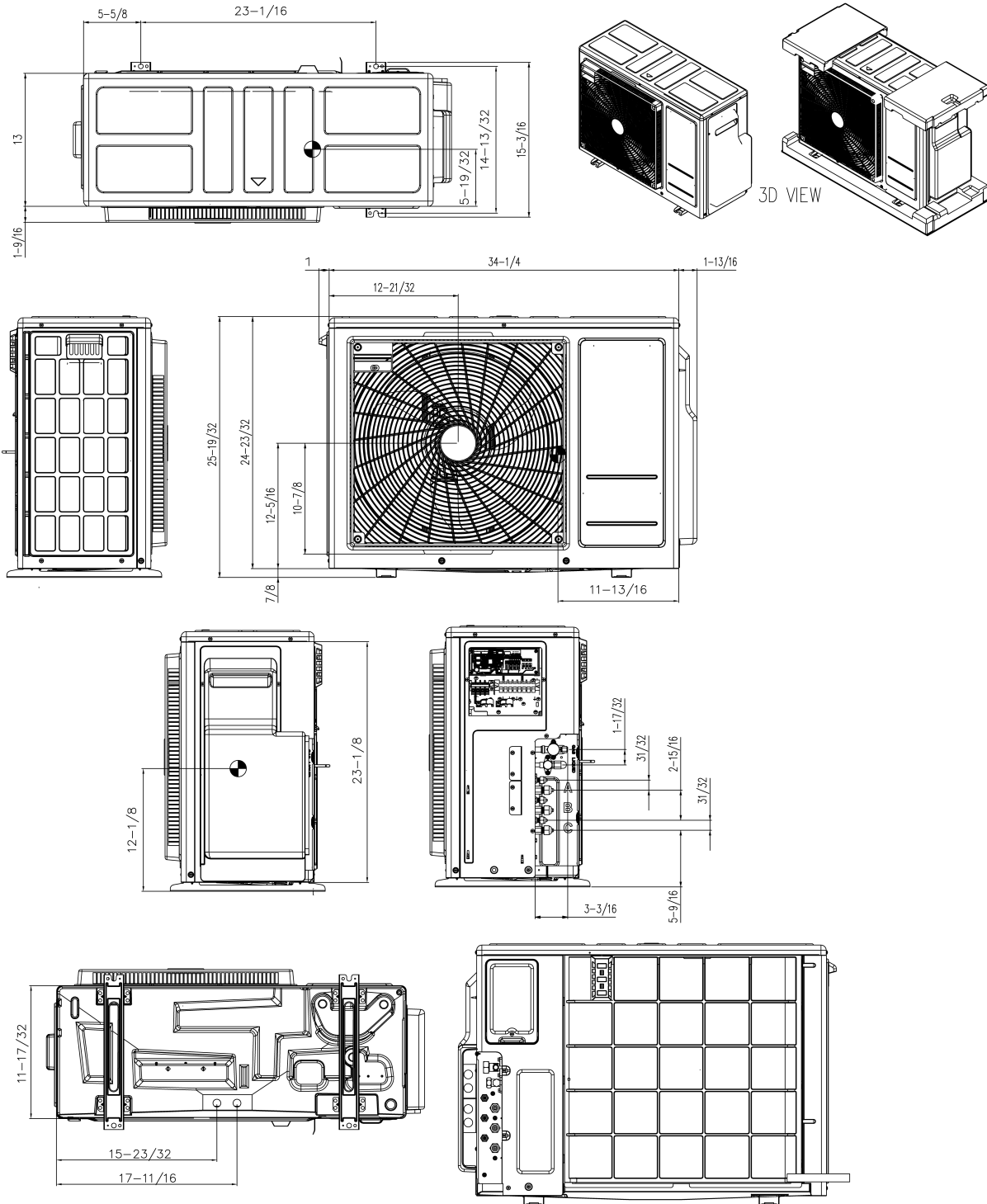


Tag No.: _____

Date: _____

PO No.: _____

Unit: Inch
 Gravity point



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 the 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.
5. For LMU183HV Unit, ports A and B are available.
6. For LMU243HV Unit, ports A, B, and C are available.

(BACK)

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(Company)

(Project Manager)



LAN120HSV5

Multi F Wall Mounted Art Cool™ Mirror Indoor Unit

12,000 Btu/h



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 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 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	38 / 34 / 29
Primary Filter	Washable Pre-filter
Secondard Filter	3M Micro Dust
Net Weight (lbs.)	20.5
Shipping Weight (lbs.)	25.6

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.



Job Name/Location: _____

LAN120HSV5

Multi F Wall Mounted Art Cool™ Mirror Indoor Unit

12,000 Btu/h

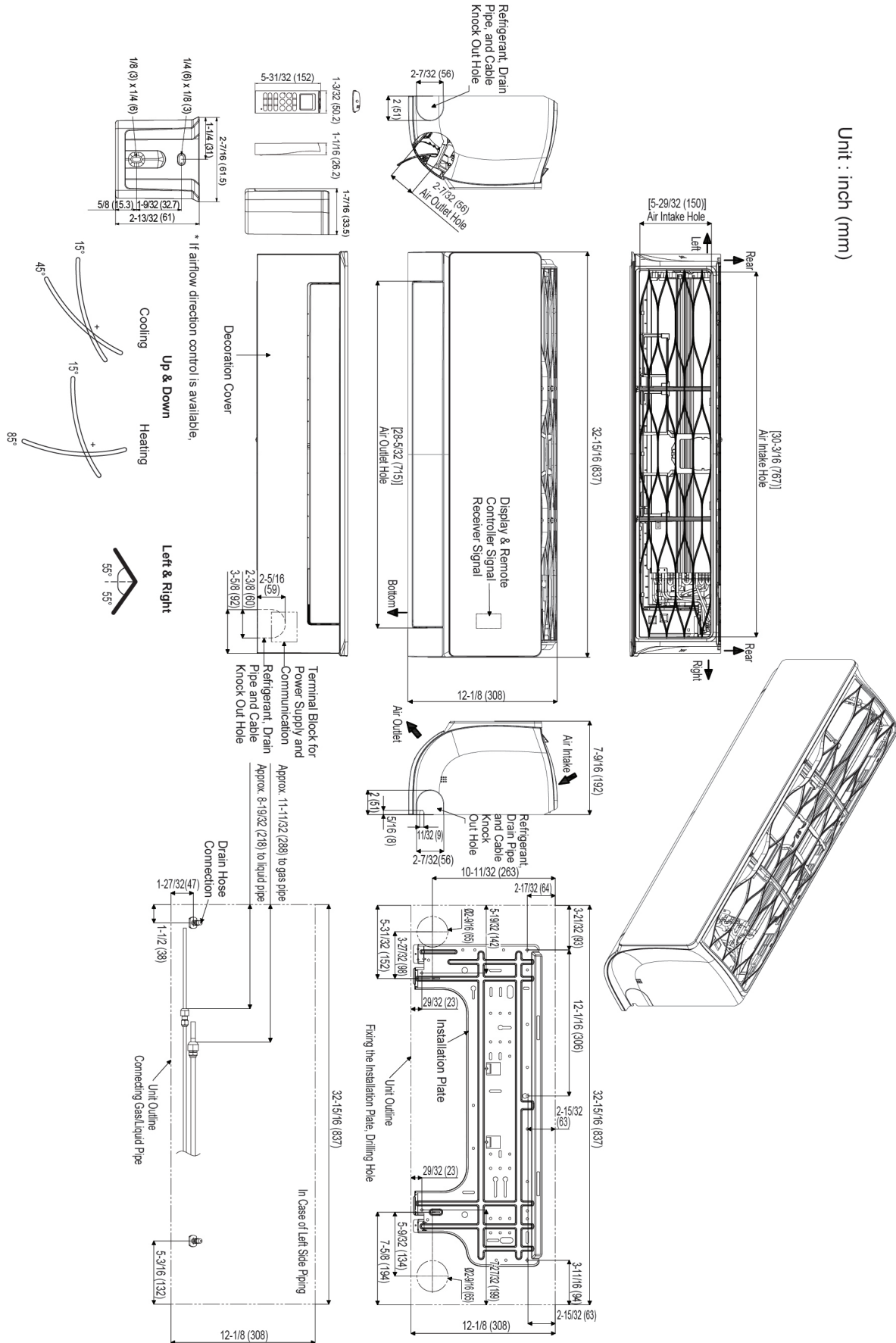


Tag No.: _____

Date: _____

PO No.: _____

Unit : inch (mm)



Job Name/Location:

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Approval Other

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Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



LAN120HSV5

Multi F Wall Mounted Art Cool™ Mirror Indoor Unit

12,000 Btu/h



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 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 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	38 / 34 / 29
Primary Filter	Washable Pre-filter
Secondard Filter	3M Micro Dust
Net Weight (lbs.)	20.5
Shipping Weight (lbs.)	25.6

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.



LAN120HSV5
Multi F Wall Mounted Art Cool™ Mirror Indoor Unit
12,000 Btu/h



PO No.: _____

Unit : inch (mm)

Refrigerant, Drain Pipe, and Cable Knock Out Hole

Air Outlet Hole

30-31/6 (767)

Air Intake Hole

32-15/16 (837)

Left

Rear

Right

Display & Remote Controller Signal Receiver Signal

12-1/8 (308)

7-9/16 (192)

Air Intake

Refrigerant, Drain Pipe and Cable Knock Out Hole

10-11/32 (263)

2-7/32 (56)

11/32 (9)

5/16 (8)

2 (51)

32-15/16 (837)

12-11/16 (306)

3-21/32 (83)

2-15/32 (63)

3-11/16 (94)

2-15/32 (63)

12-1/8 (308)

29/32 (23)

2-7/32 (56)

5-19/32 (142)

3-27/32 (98)

5-31/32 (152)

3-27/32 (98)

29/32 (23)

5-9/32 (134)

7-5/8 (194)

2-7/32 (56)

2-7/32 (56)

2 (51)

5-31/32 (152)

1-11/16 (25.2)

1-3/32 (60.2)

5-31/32 (152)

1-7/16 (33.5)

1-1/4 (31.1)

2-7/16 (61.5)

1/4 (6) x 1/8 (3)

1/8 (3) x 1/4 (6)

5/8 (15.3)

1-9/32 (32.7)

2-13/32 (61)

2-3/8 (60)

3-5/8 (92)

6 (152)

2-5/8 (63)

2-3/8 (60)

3-5/8 (92)

Terminal Block for Power Supply and Communication

Refrigerant, Drain Pipe and Cable Knock Out Hole

Approx. 11-11/32 (288) to gas pipe

Approx. 8-19/32 (218) to liquid pipe

Drain Hose Connection

1-27/32 (47)

1-1/2 (38)

Unit Outline

Connecting Gas/Liquid Pipe

5-3/16 (132)

12-1/8 (308)

In Case of Left Side Piping

32-15/16 (837)

Up & Down

Left & Right

Cooling

Heating

15°

45°

15°

85°

55°

55°

* If airflow direction control is available.

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Date:

For: File Resubmit
Approval Other_____

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



LAN181HSV5

Multi F Wall Mounted Art Cool™ Mirror Indoor Unit

18,000 Btu/h



Performance:

Nominal Cooling Capacity (Btu/h)	18,000
Nominal Heating Capacity (Btu/h)	21,600

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.)	ø1/2
Liquid Connection (in., O.D.)	ø3/8
Vapor Connection (in., O.D.)	ø5/8
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 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	44 / 38 / 34
Primary Filter	Washable Pre-filter
Secondard Filter	3M Micro Dust
Net Weight (lbs.)	29.8
Shipping Weight (lbs.)	36.4

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	558 / 438 / 353

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.
9. Multi compatible 18k IDUs include socket adapters for refrigerant pipe connections with Multi F systems.



LAN181HSV5
Multi F Wall Mounted Art Cool™ Mirror Indoor Unit
18,000 Btu/h



PO No.: _____

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