

Date:

For:  File  Resubmit  
 Approval  Other \_\_\_\_\_

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



**LC127HV4**  
 Ceiling Cassette Single Zone  
 Outdoor Unit (ODU) - LUU127HV Indoor Unit (IDU) - LCN127HV4



**Performance:**

**Cooling:**

|                                |                         |
|--------------------------------|-------------------------|
| Cooling (Min-Rated-Max, Btu/h) | 3,400 - 11,100 - 12,400 |
| SEER                           | 19.4                    |
| EER                            | 12.6                    |

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

**Heating:**

|                                |                         |
|--------------------------------|-------------------------|
| Heating (Min-Rated-Max, Btu/h) | 2,800 - 14,000 - 15,500 |
| HSPF                           | 10.4                    |

HSPF - Heating Seasonal Performance Factor

**Electrical:**

|                          |              |
|--------------------------|--------------|
| Power Supply (V/Hz/Ø)    | 208-230/60/1 |
| MOP (A)                  | 15           |
| MCA (A)                  | 12.3         |
| Cooling Rated Amps (A)   | 10.05        |
| Heating Rated Amps (A)   | 10.05        |
| Compressor (A)           | 9.0          |
| Fan (IDU+ODU) (A)        | 1.05         |
| Cooling Power Input (kW) | 0.88         |
| Heating Power Input (kW) | 1.19         |

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

**Pipe Connections:**

|  |      |
|--|------|
| Liquid Line (in, OD)                   | 1/4  |
| Suction Line (in, OD)                  | 3/8  |
| Additional Refrigerant (oz/ft)         | 0.22 |
| Max Pipe Length (ft) <sup>2</sup>      | 66   |
| Pipe Length (no add'l Refrigerant, ft) | 25   |
| Max Elevation (ft)                     | 49   |

**Features:**

- Inverter (Variable speed compressor)
- Internal condensate pump
- Swirl Wind
- Jet Cool
- Independent vane control
- Evaporator frost control
- Auto restart
- Auto changeover
- Ultra-quiet turbo fan
- Night quiet operation
- IDU compatible with Multi F ODUs

**Required Accessories (sold separately):**

- Cassette Grille [PT-UQC or PT-QCHW0]

**Optional Accessories (sold separately):**

- LG Programmable Thermostat - PREMTB10U
- Ventilation<sup>3</sup> Kit - PTVK430
- Decorative Cover - PTDCQ
- Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP01A
- PI-485 - PMNFP14A1

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

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**Operating Range:**

**Outdoor Unit:**

|                 |       |
|-----------------|-------|
| Cooling (°F DB) | 0-118 |
| Heating (°F WB) | -4-64 |

**Indoor Unit:**

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

**Unit Data:**

|  |          |
|--|----------|
| Refrigerant Type   | R410A    |
| Refrigerant Control                                      | EEV      |
| Refrigerant Charge (lbs)                                 | 2.43     |
| IDU Sound Pressure (H/M/L) ±3 dB(A) <sup>4</sup>         | 38/35/32 |
| ODU Sound Pressure Max (Cool/Heat) ±3 dB(A) <sup>4</sup> | 49/52    |
| ODU Net Unit Weight (lbs)                                | 82       |
| ODU Shipping Weight (lbs)                                | 89       |
| IDU Net Unit Weight (lbs)                                | 31       |
| IDU Shipping Weight (lbs)                                | 40       |
| Grille Weight (lbs)                                      | 7        |
| Grille Shipping Weight (lbs)                             | 9        |

**Fan:**

|                                  |                                       |
|----------------------------------|---------------------------------------|
| ODU Type                         | Axial                                 |
| IDU Fan Type                     | Turbo                                 |
| Fan Speeds (Fan/Cooling/Heating) | 4/5/4                                 |
| Fan Quantity (ODU + IDU)         | (1 + 1)                               |
| Motor/Drive                      | Brushless Digitally Controlled/Direct |
| ODU Air Circulation (CFM)        | 988                                   |
| IDU Air Circulation (CFM H/M/L)  | 335 / 283 / 247                       |
| Dehumidification (pts/hr)        | 2.47                                  |

**Notes:**

1. Acceptable operating voltage: 187V - 253V.
2. Piping lengths are equivalent.
3. Must comply with applicable codes for fire isolation dampers.
4. Sound pressure levels are tested in an anechoic chamber under ISO Standard 1996.
5. All power/communication cable to be minimum 18 American wire gage (AWG), 4-conductor, stranded, shielded or unshielded wire and must comply with applicable local and national code. If shielded, the wire must be grounded to the chassis at the outdoor unit only.
6. This unit comes with a dry helium charge.
7. Nominal data is rated 0 ft above sea level, with 25 ft of refrigerant line and a 0 ft level difference between outdoor and indoor units.
8. Power wiring cable size must comply with the applicable local and national code.
9. Must follow installation instructions in the applicable LG installation manual.



# Outdoor Unit (ODU) - LUU127HV

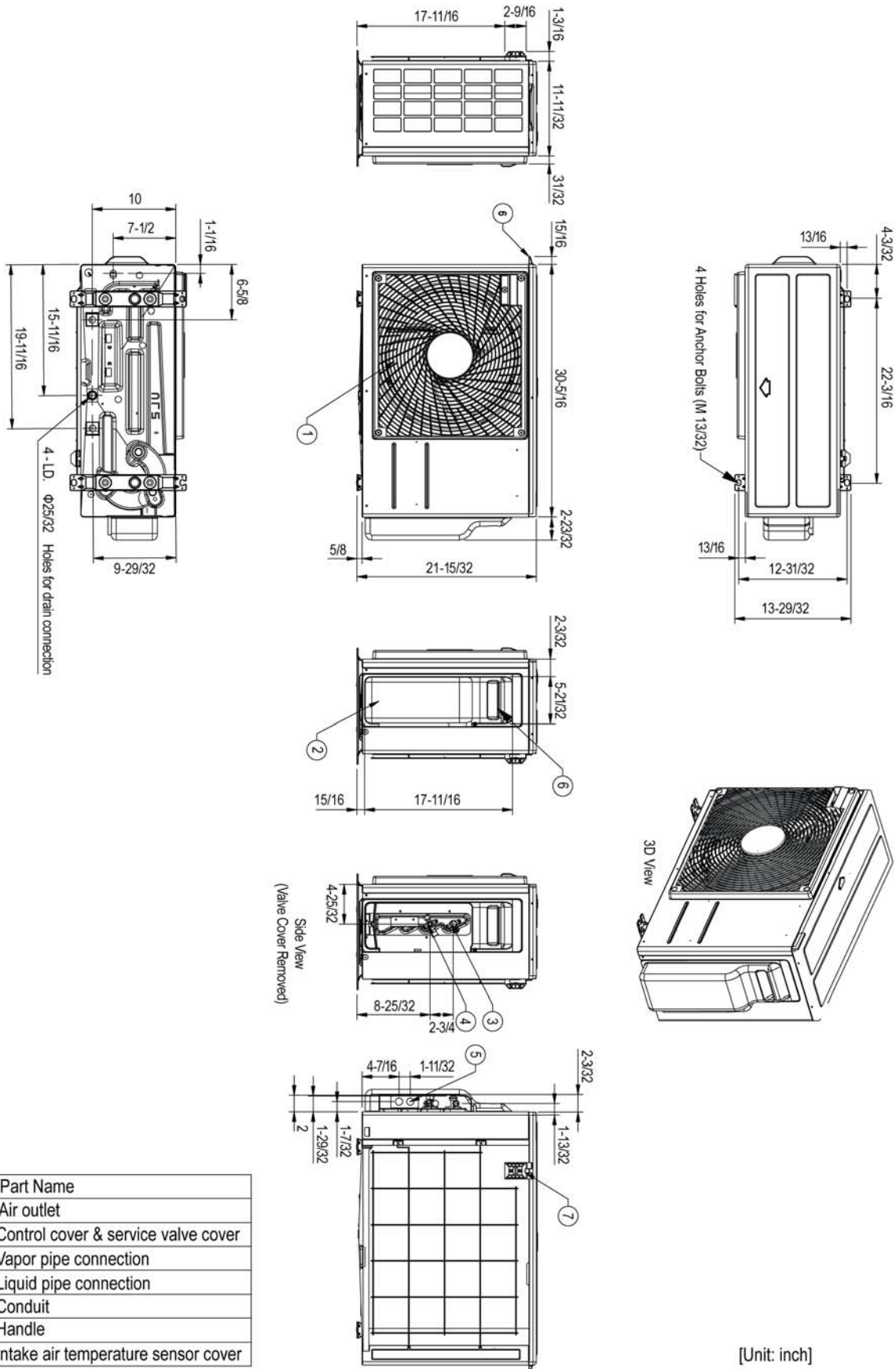
## Ceiling Cassette Single Zone



Tag #:

Date:

PO No.:



| No. | Part Name                           |
|-----|-------------------------------------|
| 1   | Air outlet                          |
| 2   | Control cover & service valve cover |
| 3   | Vapor pipe connection               |
| 4   | Liquid pipe connection              |
| 5   | Conduit                             |
| 6   | Handle                              |
| 7   | Intake air temperature sensor cover |

[Unit: inch]

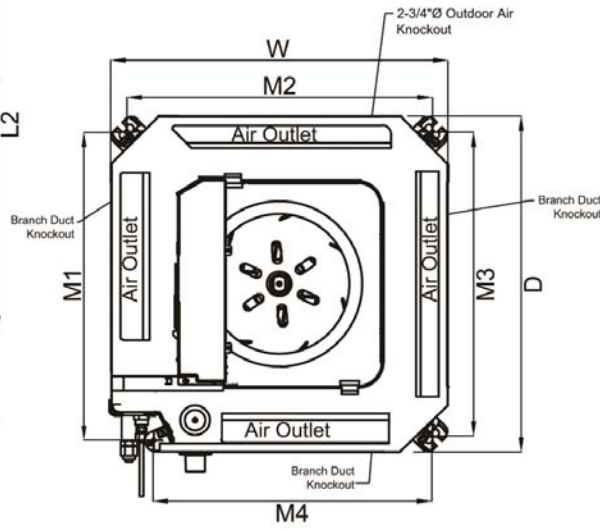
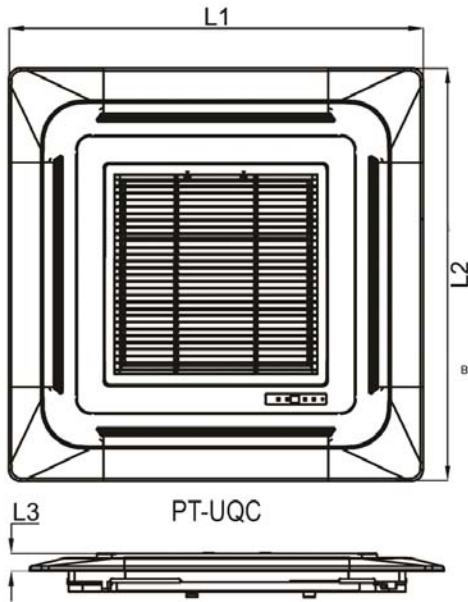
**Indoor Unit (IDU) - LCN127HV4**  
Ceiling Cassette Single Zone



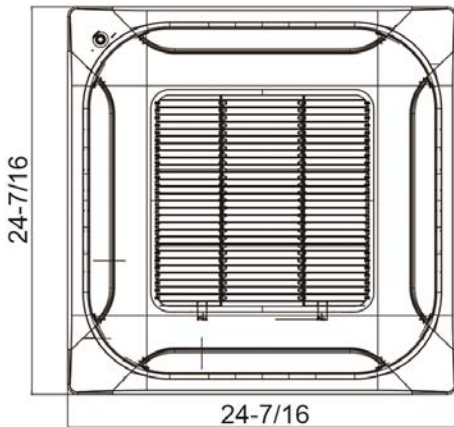
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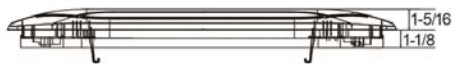
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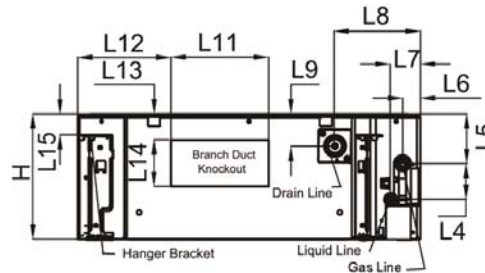
Bottom View



PT-QCHW0



Grille



Side View

|     |           |
|-----|-----------|
| W   | 22-7/16"  |
| H   | 8-7/16"   |
| D   | 22-7/16"  |
| L1  | 27-9/16"  |
| L2  | 27-9/16"  |
| L3  | 7/8"      |
| L4  | 2-13/32"  |
| L5  | 3-7/8"    |
| L6  | 1-3/16"   |
| L7  | 1-15/16"  |
| L8  | 5-5/8"    |
| L9  | 1-1/32"   |
| L10 | 1-11/32"  |
| L11 | 6-1/2"    |
| L12 | 5-13/16"  |
| L13 | 3-3/16"   |
| L14 | 3-1/8"    |
| L15 | 1-11/32"  |
| M1  | 20-19/32" |
| M2  | 20-3/8"   |
| M3  | 20-3/8"   |
| M4  | 18-5/32"  |