

Job Name/Location:

Tag #:

Date:

|      |          |          |
|------|----------|----------|
| For: | File     | Resubmit |
|      | Approval | Other    |

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**LS240HFV3**

Single Zone Standard Efficiency Wall Mounted

Outdoor Unit (ODU) - LSU240HFV3, Indoor Unit (IDU) - LSN240HFV3

**Performance:****Cooling:**

|                                             |                         |
|---------------------------------------------|-------------------------|
| Cooling Capacity<br>(Min~Rated~Max) (Btu/h) | 3,685 ~ 22,000 ~ 24,000 |
| SEER2                                       | 17                      |
| EER2                                        | 11                      |

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

**Heating:**

|                                                            |                         |
|------------------------------------------------------------|-------------------------|
| Heating Capacity<br>(Min~Rated~Max) (Btu/h)                | 3,685 ~ 22,000 ~ 25,260 |
| Max. Heating @ Indoor 70°F DB<br>Outdoor 19°F DB / 17°F WB | 17,680                  |
| HSPF2                                                      | 8.3                     |

HSPF - Heating Seasonal Performance Factor

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 <sup>1</sup> /Hz/Ø) | 208-230 / 60 / 1 |
|-------------------------------------|------------------|

**Outdoor Unit:**

|                        |      |
|------------------------|------|
| MOP (A)                | 20   |
| MCA (A)                | 15   |
| Cooling Rated Amps (A) | 10.4 |
| Heating Rated Amps (A) | 10.4 |
| Compressor (A)         | 10.0 |
| Fan Motor (A)          | 0.4  |

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

**Total Power Input:**

|                          |      |
|--------------------------|------|
| Cooling Power Input (kW) | 2.2  |
| Heating Power Input (kW) | 2.02 |

**Piping:**

|                                            |            |
|--------------------------------------------|------------|
| Liquid Line (in., O.D.)                    | 1/4        |
| Vapor Line (in., O.D.)                     | 1/2        |
| Additional Refrigerant (oz./ft.)           | 0.26       |
| Min. / Max. Pipe Length (ft.) <sup>2</sup> | 9.8 / 65.6 |
| Piping Length (no add'l refriger., ft.)    | 24.6       |
| Max. Elevation (ft.)                       | 32.8       |

**Features:**

- 24-Hour on/off timer
- 2-Way (up / down) auto swing
- Auto changeover
- Auto restart
- Jet cool/Jet heat
- Condensate sensor connection
- Energy saving
- Inverter (variable speed compressor)
- Self-cleaning indoor coil
- Sleep mode
- Ultra quiet operation

**Included Accessories:**

- Wireless Remote Controller — AKB74955602

**Optional Accessories:**

- ☐ MultiSITE™ CRC1 — PREMTBVC0
- ☐ MultiSITE CRC1+ — PREMTBVC1
- ☐ Simple Remote Controller — PREMTCC00U
- ☐ Premium Remote Controller — PREMTA000
- ☐ Dry Contact - PDRYCB100/320/400

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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**Operating Range:****Outdoor Unit:**

|                 |           |
|-----------------|-----------|
| Cooling (°F DB) | 14 to 118 |
| Heating (°F WB) | 14 to 65  |

**Indoor Unit:**

|                 |          |
|-----------------|----------|
| Cooling (°F WB) | 53 to 75 |
| Heating (°F DB) | 60 to 86 |

**System Data:**

|                                                                     |                   |
|---------------------------------------------------------------------|-------------------|
| Refrigerant Type                                                    | R410A             |
| Refrigerant Control                                                 | EEV               |
| Refrigerant Charge (lbs.)                                           | 2.975             |
| ODU Sound Pressure<br>(Cooling / Heating) (±1 dB[A]) <sup>3</sup>   | 55 / 55           |
| IDU Sound Pressure<br>Cooling (H/M/L/Sleep) (±1 dB[A]) <sup>3</sup> | 48 / 43 / 38 / 32 |
| Heating (H/M/L) (±1 dB[A]) <sup>3</sup>                             | 48 / 43 / 38 / 32 |
| ODU Net / Shipping Weight (lbs.)                                    | 98.1 / 108        |
| IDU Net / Shipping Weight (lbs.)                                    | 26 / 30           |
| Heat Exchanger Coating                                              | GoldFin™          |

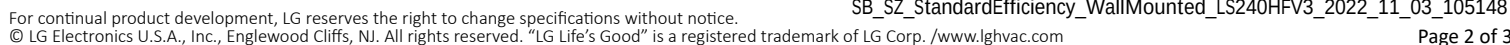
**Fan:**

|                                          |                                       |
|------------------------------------------|---------------------------------------|
| ODU Type                                 | Propeller                             |
| IDU Type                                 | Cross Flow                            |
| Fan Speeds (Fan/Cool/Heat)               | 6 / 6 / 6                             |
| Quantity (ODU + IDU)                     | 1 + 1                                 |
| Motor/Drive                              | Brushless Digitally Controlled/Direct |
| ODU Max. Air Flow Rate (CFM)             | 1,730                                 |
| IDU Air Flow<br>Cooling, Max/H/M/L (CFM) | 689 / 512 / 459 / 371                 |
| Heating, Max/H/M/L (CFM)                 | 653 / 565 / 477 / 388                 |
| Dehumidification (pts./hr.)              | 4.86                                  |

**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 communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 14 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. See Engineering Manual for sensible and latent capacities.
6. Power wiring cable size must comply with the applicable local and national code.
7. The indoor unit comes with a dry helium charge.
8. This data is rated 0 ft. above sea level, with 24.6 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
9. Must follow installation instructions in the applicable LG installation manual.





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