

Job Name/Location:

Tag No.:

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**KSSCB241A****R32 Single Zone 3x3 Four-Way Ceiling Cassette**

Indoor Unit (IDU) - KNSCB241A, Outdoor Unit (ODU) - KUSXB241A

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

|                                             |                     |
|---------------------------------------------|---------------------|
| Cooling Capacity<br>(Min~Rated~Max) (Btu/h) | 9,300~23,000~29,000 |
| SEER2                                       | 21.0                |
| EER2                                        | 13.00               |

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

**Heating:**

|                                             |                      |
|---------------------------------------------|----------------------|
| Heating Capacity<br>(Min~Rated~Max) (Btu/h) | 10,000~27,000~30,000 |
| HSPF2                                       | 10.2                 |
| Max. Heating @ Indoor 70°F DB               | 25,000               |
| Outdoor 17°F WB                             | 23,000               |
| Outdoor 5°F WB                              | 21,000               |
| Outdoor -4°F WB                             | 21,000               |

HSPF - Heating Seasonal Performance Factor

**Electrical:**

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Power Supply (V/Hz/Ø)                             | 208-230/60/1    |
| MOP (A)                                           | 25              |
| MCA (A)                                           | 16.0            |
| Cooling Rated Amps (A)                            | 13.7            |
| Heating Rated Amps (A)                            | 13.7            |
| Compressor (A)                                    | 11.5            |
| Fan Motor (IDU + ODU) (A)                         | 0.6 + 1.6       |
| Cooling Power Input<br>(Min~Rated~Max @95°F) (kW) | 0.59~1.769~3.10 |
| Heating Power Input<br>(Min~Rated~Max @47°F) (kW) | 0.55~2.20~3.10  |

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

**Piping:**

|                                            |            |
|--------------------------------------------|------------|
| Liquid (in., O.D.)                         | 3/8 / 3/8  |
| Vapor (in., O.D.)                          | 5/8 / 5/8  |
| Additional Refrigerant (oz./ft.)           | 0.38       |
| Min. / Max. Pipe Length (ft.) <sup>2</sup> | 16.4 / 164 |
| Piping Length (no add'l refrig., ft.)      | 24.6       |
| Max. Elevation (ft.)                       | 98.4       |

**Features:**

- Inverter (Variable Speed) Compressor
- Internal Condensate Pump
- Swirl Wind / Jet Cool
- Auto Restart / Auto Changeover
- R32 Leak Detection Sensor
- Ultra-quiet Turbo Fan
- Night Quiet Operation
- Optional Wi-Fi Control

**Included Accessories:**

- ☐ Wireless Remote Controller - PWLSSB21H

**Required Accessories:**

- ☐ Grille Kit - PT-AAGW0

**Optional Accessories:**

- ☐ Premium Panel (incl. Panel PT-AFGW0 + Air Purif. Kit PTAHMP0)-PT-AFGW0S
- ☐ Decorative Cover-PTDCA
- ☐ Flange<sup>3</sup>-PTVK430
- ☐ Auxiliary Heater Kit-PRARH1
- ☐ Wi-Fi Module-PWFMDD200
- ☐ Drain Pan Heater-PQSH1200
- ☐ Single-Port Shutoff Valve - PRHPZ010A
- ☐ Low Ambient Wind Baffle (Cooling operation to -4°F)-ZLABGP04A Requires 1

**Controller Options:**

- ☐ MultiSITE™ CRC\* Controllers
- ☐ Simple Remote Controller
- ☐ Standard III Remote Controllers
- ☐ Remote Temperature Button Sensor
- ☐ Dry Contacts
- ☐ AC Smart 5 Central Controller
- ☐ LonWorks® Gateway
- ☐ MultiSITE Communication Mgr.
- ☐ ACP 5 BACnet® Gateway
- ☐ AHU Communication Kit

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

|                 |          |
|-----------------|----------|
| Cooling (°F DB) | 5 ~ 118  |
| Heating (°F WB) | -4 ~ +64 |

**Indoor Unit:**

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

**System Data:**

|                                                                   |              |
|-------------------------------------------------------------------|--------------|
| Refrigerant Type                                                  | R32          |
| Refrigerant Control                                               | EEV          |
| Refrigerant Charge (lbs.)                                         | 4.19         |
| IDU Sound Pressure<br>(Max./H/M/L/SL) (±1 dB[A]) <sup>3</sup>     | 40 / 37 / 35 |
| ODU Sound Pressure<br>(Cooling / Heating) (±1 dB[A]) <sup>3</sup> | 48 / 52      |
| ODU Net / Shipping Weight (lbs.)                                  | 136 / 154.3  |
| IDU Net / Shipping Weight (lbs.)                                  | 45.9 / 56    |
| Grille Net / Shipping Weight (lbs.)                               | 16 / 21      |
| Heat Exchanger Coating                                            | GoldFin™     |

**Fan:**

|                                |                                           |
|--------------------------------|-------------------------------------------|
| ODU Type                       | Axial                                     |
| IDU Type                       | Turbo                                     |
| Fan Speeds (Fan/Cool/Heat)     | 4 / 5 / 5                                 |
| Quantity (ODU + IDU)           | 1 + 1                                     |
| Motor/Drive                    | Brushless Digitally Controlled/<br>Direct |
| ODU Air Flow Rate (CFM)        | 2,048                                     |
| IDU Air Flow (CFM [Max.])H/M/L | 794 / 671 / 600 / 530                     |
| Dehumidification (pts./hr.)    | 3.8                                       |

**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 3745.
5. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.
  - a. Power Supply Wiring to Outdoor Unit (No. x AWG): 3 x 12 for 9k, 12k, 18k, and 24k; 3 x 10 for 30k, 36k, 42k, and 48k.
  - b. Power Wiring and Communication Wiring from Outdoor Unit to Indoor Unit (No. x AWG) 3 x 14 / 2 x 18.
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. Must follow installation instructions in the applicable LG installation manual.

BACnet® is a registered trademark of ASHRAE. LonWorks® is a trademark of Echelon Corporation.



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

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

© LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com

SB\_SZ\_FourWayCassette3x3\_R32\_KSSCB241A\_2024\_12\_05\_063302

Page 1 of 3

**KSSCB241A**  
**R32 Single Zone 3x3 Four-Way Ceiling Cassette**  
 Indoor Unit (IDU) - KNSCB241A, Outdoor Unit (ODU) - KUSXB241A



Date: \_\_\_\_\_

PO No.: \_\_\_\_\_



