

LG KNUDB121A R32 Multi F 2×2 Four Way Ceiling Cassette **Indoor Unit Instruction Manual**

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LG KNUDB121A R32 Multi F 2×2 Four Way Ceiling Cassette Indoor Unit



Product Usage Instructions

- Ensure proper placement of the indoor unit on the ceiling.
- Connect the liquid and vapor pipes according to the specified sizes.
- Install the required accessories, such as the wireless remote controller and panel.
- Optional accessories like the ventilation flange, auxiliary heater kit, and Wi-Fi module can be added based on requirements.
- The unit comes with a wireless remote controller for easy operation.
- Additional control options include MultiSITETM CRC controllers, simple remote controllers, and more.

Performance

- Nominal Cooling Capacity (Btu/h) 12,000
- Nominal Heating Capacity (Btu/h) 13,800
- 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)1,2 208-230/60/1
- Rated Amps (A) 0.25

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.) 1-1/4, 1
- Temperature Sensor Thermistor

Controls Features

- · Two thermistor control
- 24-Hour on / off timer
- · Auto operation
- · Auto restart
- · Swirl swing
- · Control lock function
- Drain pump
- · Group control
- Inverter (variable speed fan)
- · Jet cool
- R32 leak detection sensor
- · Compatible with accessory Wi-Fi module
- Compatible with applicable Single Zone Outdoor Units (see single zone literature for matching system details)

Included Accessories

• Wireless Remote Controller - PWLSSB21H

Required Accessories

Panel (24-13/32" x 24-13/32") – PT-QAGW0

Optional Accessories

- Ventilation Flange3 PTVK430
- Auxiliary Heater Kit PRARH1
- Wi-Fi Module PWFMDD200
- Single-Port Shutoff Valve PRHPZ010A

Controller Options

- MultiSITE™ CRC* Controllers
- Simple Remote Controllers
- Standard III Remote Controllers
- Deluxe Remote Controller
- Remote Temperature Button Sensor
- · Dry Contacts

Entering Mixed Air

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

Unit Data

- Refrigerant Type R32
- Refrigerant Control EEV
- Sound Pressure (H/M/L) dB(A)4 38 / 35 / 32
- Standard Filter5 Washable
- Net Weight (lbs.) 28.4
- Shipping Weight (lbs.) 34
- Panel Net Weight (lbs.) 6.3
- Panel Shipping Weight (lbs.) 8.6

Fan

- Type Turbo
- · Quantity 1
- Motor/Drive Brushless Digitally Controlled/Direct
- Air Flow H/M/L (CFM) 335 / 283 / 247
- Dehumidification Rate (pts./hr.) 2.5

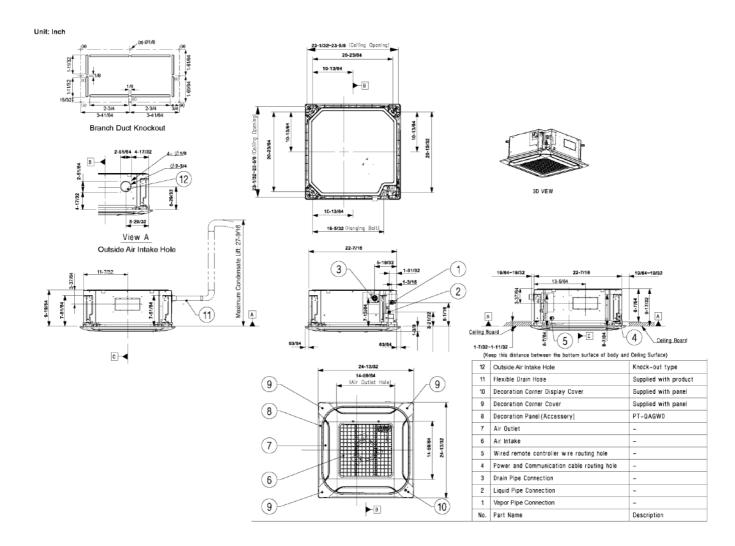
Notes

- 1. Acceptable operating voltage: 187V-253V.
- 2. The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution 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.
 - Power Wiring and Communication Wiring from Outdoor Unit to Indoor Unit (No. x AWG) 3 x 14 / 2 x 18.
 - Power Wiring and Communication Wiring from Branch Distribution Unit to Indoor Unit (No. x AWG) 3 x 14 / 2 x 18.
- 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. Removable Washable Filter size: 14" x 14" x 1".
- 6. See Engineering Manual for sensible and latent capacities.
- 7. The indoor unit comes with a dry helium charge.
- 8. The corresponding refrigerant piping length is in accordance with a standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 105%.
- 9. Must follow installation instructions in the applicable LG installation manual.

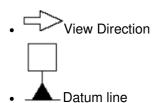




Dimension



Symbols



Refrigerant/Drain Pipina Direction

Note

- 1. Unit should be installed in compliance with the installation manual.
- 2. Unit should be grounded in accordance with the local regulations or applicable national codes.
- 3. All electrical components and materials to be supplied from the site must comply with the local regulations or

international codes.

Maintenance

- Regularly clean the washable filters to ensure optimal performance.
- Check for any leaks in the piping system and address them promptly.

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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FAQ

- · Q: Can I install the unit myself?
 - A: It is recommended to have a professional HVAC technician install the unit to ensure proper setup and functionality.
- Q: What is the recommended temperature range for operation?
 - A: The unit operates best within the temperature range of 57°F to 77°F for cooling and 59°F to 81°F for heating.

Documents / Resources



LG KNUDB121A R32 Multi F 2x2 Four Way Ceiling Cassette Indoor Unit [pdf] Instruction Ma nual

KNUDB121A, KUMXB301A, PWLSSB21H, KNUDB121A R32 Multi F 2x2 Four Way Ceiling Cassette Indoor Unit, KNUDB121A, R32 Multi F 2x2 Four Way Ceiling Cassette Indoor Unit, 2x2 Four Way Ceiling Cassette Indoor Unit, Four Way Ceiling Cassette Indoor Unit, Ceiling Cassette Indoor Unit, Unit Unit

References

User Manual

Manuals+, Privacy Policy

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