

Job Name/Location:

Tag No.:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)



KNMAB241A

R32 Multi F Wall Mounted High Efficiency Indoor Unit

24,000 Btu/h



Performance:

Nominal Cooling Capacity (Btu/h)	24,000
Nominal Heating Capacity (Btu/h)	25,600

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) ^{1,2}	208-230/60/1
Rated Current (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.)	Ø1/4
Vapor Connection (in., O.D.)	Ø1/2
Drain (in., O.D. / I.D.)	27/32, 5/8
Temperature Sensor	Thermistor

Controls Features:

- Left / right and up / down auto swing
- 24-Hour on/off timer
- Auto operation
- Auto restart
- Group control
- Inverter (variable speed fan)
- Jet cool / Jet heat
- 3M Micro Dust Filter
- Self-cleaning indoor coil
- Sleep mode
- R32 leak detection sensor
- Built-in Wi-Fi via Smart ThinQ app

Included Accessories:

- Wireless Remote Controller — AKB76044208

Optional Accessories:

- ☐ Auxiliary Heater Kit - PRARS1
- ☐ 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 WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

Unit Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Sound Pressure (H/M/L) (±3 dB[A]) ³	46 / 41 / 36
Primary Filter	Washable Pre-filter
Secondary Filter	3M Micro Dust
Net Weight (lbs.)	26.5
Shipping Weight (lbs.)	30.0

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	597 / 452 / 367
Dehumidification (pts./hr.)	5.55

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.
 - a. Power Wiring and Communication Wiring from Outdoor Unit to Indoor Unit (No. x AWG) 3 x 14 / 2 x 18.
 - b. Power Wiring and Communication Wiring from Branch Distribution Unit to Indoor Unit (No. x AWG) 3 x 14 / 2 x 18.
3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. See Engineering Manual for sensible and latent capacities.
5. The indoor unit comes with a dry helium charge.
6. 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%.
7. Must follow installation instructions in the applicable LG installation manual.
8. The 24k IDU includes a socket adapter for vapor refrigerant pipe connections.



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Unit : Inch (mm)

Front View Dimensions:

- Top: [36-5/32 (918)] Air Intake Hole
- Right: [36-5/32 (918)] Air Intake Hole
- Bottom: 13-19/32 (345)
- Left: 39-9/32 (998)

Side View Dimensions:

- Top: 8-9/32 (210) Air Intake
- Right: 2-3/8 (60) Refrigerant, Drain Pipe and Cable Routing Knock Out Hole
- Bottom: 7/16 (11) Air Outlet
- Left: 2-3/8 (60) Refrigerant, Drain Pipe and Cable Routing Knock Out Hole

Top View Dimensions:

- Left: 11-13/16 (300)
- Top: 2-3/32 (63)
- Right: 14-11/16 (373)
- Bottom: 13-19/32 (345)

Installation Plate Details:

- Mounting holes: 5-29/32 (150), 5-13/32 (137), 5-29/32 (150), 5-13/32 (137)
- Installation Plate
- Unit Outline
- Fixing the Installation Plate, Drilling Hole

Internal Components and Connections:

- Display & Remote Controller Signal Receiver
- Refrigerant, Drain Pipe and Cable Routing Knock Out Hole
- Terminal Block for Power Supply and Communication
- Decorative Cover
- Drain Hose Connection
- Connecting Gas/Liquid Pipe
- In case of Left Side Piping

Airflow Direction Control:

- Cooling: 15°, 45°, 85°
- Heating: 20°, 50°, 50°

Notes:

- * If airflow direction control is available.