

Job Name/Location:

Tag No.:

Date:

For: File Resubmit  
Approval Other

PO No.:

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) <sup>1,2</sup>	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]) <sup>3</sup>	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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Date: \_\_\_\_\_

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

Unit : Inch (mm)

**Front View:** Shows the front of the unit with a width of 39-9/32 (998) and a height of 13-19/32 (345). The top features a [6-11/16 (170)] Air Intake Hole. The front panel has a [36-5/32 (918)] Air Intake Hole. The bottom has a [34-11/32 (872)] Air Outlet Hole. The side panel has a [34-11/32 (872)] Air Outlet Hole. The bottom panel has a [13-19/32 (345)] Air Outlet Hole.

**Side View:** Shows the side of the unit with a width of 8-9/32 (210) and a height of 13-19/32 (345). The top features a [6-11/16 (170)] Air Intake Hole. The side panel has a [34-11/32 (872)] Air Outlet Hole. The bottom panel has a [13-19/32 (345)] Air Outlet Hole.

**Top View:** Shows the top of the unit with a width of 39-9/32 (998) and a depth of 14-11/16 (373). The top features a [6-11/16 (170)] Air Intake Hole. The side panel has a [34-11/32 (872)] Air Outlet Hole. The bottom panel has a [13-19/32 (345)] Air Outlet Hole.

**Bottom View:** Shows the bottom of the unit with a width of 39-9/32 (998) and a depth of 14-11/16 (373). The bottom features a [6-11/16 (170)] Air Intake Hole. The side panel has a [34-11/32 (872)] Air Outlet Hole. The bottom panel has a [13-19/32 (345)] Air Outlet Hole.

**Installation Details:** The unit is shown with an Installation Plate and Unit Outline. The plate has a width of 39-9/32 (998) and a depth of 14-11/16 (373). The unit outline has a width of 39-9/32 (998) and a depth of 14-11/16 (373). The plate has a [6-11/16 (170)] Air Intake Hole and a [34-11/32 (872)] Air Outlet Hole. The unit outline has a [6-11/16 (170)] Air Intake Hole and a [34-11/32 (872)] Air Outlet Hole.

**Decorative Cover:** The unit has a decorative cover with a width of 39-9/32 (998) and a height of 13-19/32 (345). The cover has a [6-11/16 (170)] Air Intake Hole and a [34-11/32 (872)] Air Outlet Hole.

**Terminal Block:** The unit has a terminal block for power supply and communication. The block has a width of 3-1/4 (86) and a height of 2-7/32 (56). The block has a [3-1/4 (86)] Air Outlet Hole and a [2-7/32 (56)] Air Outlet Hole.

**Refrigerant, Drain Pipe and Cable Routing Knock Out Hole:** The unit has a refrigerant, drain pipe and cable routing knock out hole. The hole has a width of 2-1/4 (63) and a height of 2-1/4 (63). The hole has a [2-1/4 (63)] Air Outlet Hole and a [2-1/4 (63)] Air Outlet Hole.

**Drain Hose Connection:** The unit has a drain hose connection. The connection has a width of 2-15/32 (63) and a height of 1-15/32 (37). The connection has a [2-15/32 (63)] Air Outlet Hole and a [1-15/32 (37)] Air Outlet Hole.

**Connecting Gas/Liquid Pipe:** The unit has a connecting gas/liquid pipe. The pipe has a width of 6-15/32 (164) and a height of 13-19/32 (345). The pipe has a [6-15/32 (164)] Air Outlet Hole and a [13-19/32 (345)] Air Outlet Hole.

**Airflow Direction Control:** The unit has an airflow direction control. The control has a width of 15° and a height of 20°. The control has a [15°] Air Outlet Hole and a [20°] Air Outlet Hole.