

Job Name/Location:

Tag No.:

Date:

For: File Resubmit
Approval Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)



KNUAK121A

R32 Multi F Art Cool™ Mirror Wall Mounted Indoor Unit
12,000 Btu/h



Performance:

Nominal Cooling Capacity (Btu/h)	12,000
Nominal Heating Capacity (Btu/h)	13,600

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.)	Ø3/8
Liquid Connection (in., O.D.)	Ø1/4
Vapor Connection (in., O.D.)	Ø3/8
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
- Compatible with applicable Single Zone Outdoor Units (see single zone literature for matching system details)

Included Accessories:

- Wireless Remote Controller — AKB76044208

Optional Accessories:

- ☐ Auxiliary Heater Kit - PRARS1
- ☐ Single-Port Shutoff Valve - PRHPZ010A
- ☐ R32 Alarm Kit - PLDCAA0S

Controller Options:

- ☐ MultiSITE™ CRC* Controllers
- ☐ Standard III Remote Controllers
- ☐ Deluxe Remote Controller
- ☐ 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	38 / 34 / 29
Primary Filter	Washable Pre-filter
Secondary Filter	3M Micro Dust
Net Weight (lbs.)	22.7
Shipping Weight (lbs.)	24.5

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	282 / 233 / 177
Dehumidification (pts./hr.)	2.75

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.



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Unit : inch (mm)

Top view dimensions: [30-31/6 (767)] Air Intake Hole, [5-29/32 (150)] Air Intake Hole, Rear, Left, Right, Rear.

Side view dimensions: 32-15/16 (837), 7-9/16 (192).

2-7/32 (56) Air Outlet Hole, 2-5/16 (32) Refrigerant, Drain Pipe, and Cable Knock Out Hole.

Display & Remote Controller Signal Receiver Signal, 12-1/8 (308), 12-5/32 (715) Air Outlet Holes, Bottom.

7-9/16 (192) Air Intake, 10-11/32 (263) Air Outlet, 2-7/32 (56) Refrigerant, Drain Pipe and Cable Knock Out Hole, 5/16 (8), 1-1/32 (9), 2-1/16 (5).

Installation Plate, Unit Outline, Firing the Installation Plate Drilling Hole, 32-15/16 (837), 12-1/8 (308), 12-1/16 (306), 2-15/32 (63), 3-11/16 (94), 2-15/32 (63), 12-1/8 (308), 5-3/32 (42), 5-19/32 (142), 2-17/32 (64), 10-11/32 (263), 5-3/16 (65), 3-27/32 (98), 5-3/16 (152), 29/32 (23), 7-5/8 (194), 5-9/32 (134), 1-7/32 (49), 12-1/8 (308).

Terminal Block for Power Supply and Communication, 9/16 (23), 2-3/8 (60), 3-5/8 (92), 2-3/8 (60), 3-5/8 (92), Refrigerant, Drain Pipe and Cable Knock Out Holes.

Drain Hose Connection, 1-27/32 (47), 1-1/2 (38), 32-15/16 (837), In Case of Left Side Piping, 12-1/8 (308), 5-3/16 (132).

* If airflow direction control is available,

Up & Down

Cooling

Heating

Left & Right

55° | 55°

15°, 45°, 15°, 85°