

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**KNUAB181A****R32 Multi F Wall Mounted High Efficiency Indoor Unit**

18,000 Btu/h

**Performance:**

Nominal Cooling Capacity (Btu/h)	18,000
Nominal Heating Capacity (Btu/h)	21,600

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.)	Ø3/8
Vapor Connection (in., O.D.)	Ø5/8
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

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	44 / 38 / 34
Primary Filter	Washable Pre-filter
Secondary Filter	3M Micro Dust
Net Weight (lbs.)	26.0
Shipping Weight (lbs.)	31.8

Fan:

Type	Cross Flow
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	558 / 438 / 353
Dehumidification (pts./hr.)	5.50

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. Multi compatible 18k IDUs include socket adapters for refrigerant pipe connections with Multi F systems.



KNUAB181A
R32 Multi F Wall Mounted High Efficiency Indoor Unit
18,000 Btu/h



PO No.: _____

Unit : Inch (mm)

Front View: Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The front panel features a "Display & Remote Controller Signal Receiver" and an "Air Outlet Hole" with a diameter of 34-11/32 (872). The bottom of the unit is labeled "Bottom".

Side View: Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The side panel features a "Display & Remote Controller Signal Receiver" and an "Air Outlet Hole" with a diameter of 34-11/32 (872). The bottom of the unit is labeled "Bottom".

Top View: Shows the unit with dimensions: 39-9/32 (998) length, 13-19/32 (345) width, and 13-19/32 (345) depth. The top panel features a "Display & Remote Controller Signal Receiver" and an "Air Outlet Hole" with a diameter of 34-11/32 (872). The bottom of the unit is labeled "Bottom".

Rear View: Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The rear panel features a "Display & Remote Controller Signal Receiver" and an "Air Outlet Hole" with a diameter of 34-11/32 (872). The bottom of the unit is labeled "Bottom".

Installation Details:

- Fixing the Installation Plate, Drilling Hole:** Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The installation plate is shown with dimensions: 14-11/16 (373) length, 2-3/32 (53) width, and 1-1/16 (27) depth. The unit outline is shown with dimensions: 14-11/16 (373) length, 2-3/32 (53) width, and 1-1/16 (27) depth.
- Unit Outline:** Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The unit outline is shown with dimensions: 14-11/16 (373) length, 2-3/32 (53) width, and 1-1/16 (27) depth.
- In case of Left Side Piping:** Shows the unit with dimensions: 39-9/32 (998) height, 13-19/32 (345) width, and 13-19/32 (345) depth. The unit outline is shown with dimensions: 14-11/16 (373) length, 2-3/32 (53) width, and 1-1/16 (27) depth.

Airflow Diagrams:

- Up & Down:** Shows airflow direction control with angles of 15°, 20°, 45°, and 85°.
- Left & Right:** Shows airflow direction control with angles of 50° and 50°.

Other Labels:

- Refrigerant, Drain Pipe, and Cable Routing Knock Out Hole
- Terminal Block for Power Supply and Communication
- Refrigerant, Drain Pipe and Cable Routing Knock Out Hole
- Decorative Cover
- Approx. 9/716 (240) to gas pipe
- Approx. 6-5/16 (160) to liquid pipe
- Drain Hose Connection
- Connecting Gas/Liquid Pipe
- Unit Outline