

Job Name/Location:

Tag No.:

Date:

|      |          |          |
|------|----------|----------|
| For: | File     | Resubmit |
|      | Approval | Other    |

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

KNMLB181A

R32 Multi F Multi-Position Air Handling Unit

18,000 Btu/h Indoor Unit

**Performance:**

|                                  |        |
|----------------------------------|--------|
| Nominal Cooling Capacity (Btu/h) | 18,000 |
| Nominal Heating Capacity (Btu/h) | 20,000 |

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 Amps (A)                       | 2.8              |

**Piping:**

|                                   |            |
|-----------------------------------|------------|
| Installed Liquid Pipe (in., O.D.) | 1/4 Flare  |
| Installed Vapor Pipe (in., O.D.)  | 1/2 Flare  |
| Liquid Connection (in., O.D.)     | 1/4 Flare  |
| Vapor Connection (in., O.D.)      | 1/2 Flare  |
| Drain (in., O.D. / I.D.)          | 3/4 FPT    |
| Temperature Sensor                | Thermistor |

**Standard Features:**

- Access Panel for Field Supplied Air Filter

**Controls Features:**

- Inverter (variable speed fan)
- Hot start
- Self diagnosis
- Soft dry operation
- Auto operation
- Auto restart
- Sleep mode
- Timer (on/off/weekly)
- R32 leak detection sensor
- Integrated dry contact for 3rd party thermostat
- ECM fan provides constant airflow regardless of permitted ESP

**Optional Accessories:**

- ☐ Single-Port Shutoff Valve - PRHPZ010A
- ☐ Auxiliary Heater Kit - PRARH1<sup>4</sup>
- ☐ Electric Heater Kits - ANEHxx3Cx<sup>5</sup>
- ☐ Downflow Conversion Kit - PNDFA0
- ☐ Wi-Fi Module - PWFMD200

**Controller Options:**

- ☐ MultiSITE™ CRC\* Controllers
- ☐ Simple Remote Controllers
- ☐ Standard III Remote Controllers
- ☐ Deluxe Remote Controller
- ☐ Wireless Remote Controller<sup>6</sup>
- ☐ 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) dB(A) <sup>3</sup> | 35 / 32 / 29 |
| Filter Dimensions <sup>7</sup> (in)       | 16 x 20 x 1  |
| Net Weight (lbs.)                         | 115.3        |
| Shipping Weight (lbs.)                    | 127.4        |

**Fan:**

|                                                               |                                         |
|---------------------------------------------------------------|-----------------------------------------|
| Type                                                          | Sirocco                                 |
| Quantity                                                      | 1                                       |
| Motor/Drive                                                   | Brushless Digitally Controlled / Direct |
| Air Flow H/M/L (CFM)                                          | 600 / 510 / 440                         |
| Minimum~Maximum External Static Pressure <sup>8</sup> (in wg) | 0.1~1.0                                 |
| Fan Setting Value                                             | N/A - Constant Flow                     |
| Dehumidification (pts./hr.)                                   | 2.75                                    |

**Notes:**

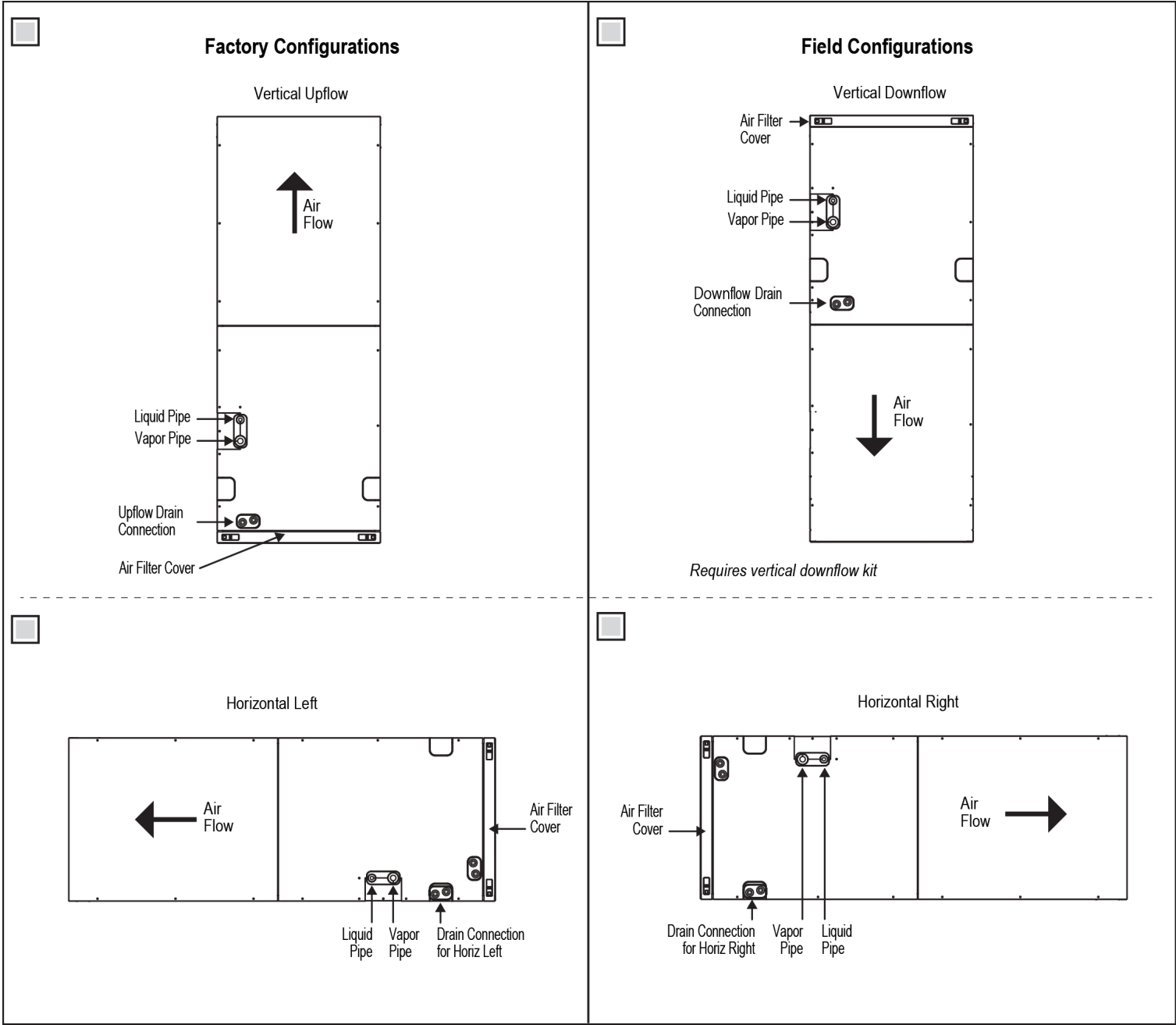
- Acceptable operating voltage: 187V-253V.
- The power wiring and the communication wiring from the outdoor unit to the indoor unit, or from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis 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.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- If a Third-Party Dry Contact and an LG internal heater or an LG Auxiliary Heater Kit is installed, supplemental heat capability cannot be controlled by the Third-Party Thermostat.
- Electric heater accessory is available in 3~10kW capacities for 12/18/24/30k Multi F Multi-Position Air Handling Units. For 36k units, electric heater accessory is available in 3~15kW capacities. Refer to the engineering manual for details.
- Requires an LG wall controller because Multi-Position Air Handling Units do not have infrared receiver.
- Actual filter sizes may vary.
- Maximum static pressure may result in reduced airflow (CFM).
- See Engineering Manual for sensible and latent capacities.
- The indoor unit comes with a dry helium charge.
- 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%.
- Must follow installation instructions in the applicable LG installation manual.



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