Job Name/Location: Tag No.:

Date: For: ☐ File ☐ Resubmit ☐ Approval ☐ Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSLA241A

R32 Single Zone LGRED™ Multi-Position Air Handling Uni

Outdoor Unit (ODU) - KUSXA241A, Indoor Unit (IDU) - KNSLA241A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	9,600 ~ 24,000 ~ 30,000
SEER2	17.50
EER2	12.50

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	10,800 ~ 27,000 ~ 36,000
HSPF2	10.00
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	28,000
Outdoor 5°F WB	25,000
Outdoor -4°F WB	22,000
Outdoor -13°F WB	19,000

HSPF - Heating Seasonal Performance Factor
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)	208-230/60/1
MOP (A)	30
MCA (A)	19.1
Cooling / Heating Rated Amps (A)	8.4 / 9.1
Compressor (A)	22
Fan Motor (IDU + ODU) (A)	2.8 + 1.6
Cooling Power Input (Min~Rated~Max, kW)	0.55 ~ 1.92 ~ 3.00
Heating Power Input (Min~Rated~Max, kW)	0.65 ~ 2.08 ~ 4.40
Locked Rotor Amps (A)	22

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Installed Liquid Pipe (in., O.D.)	3/8
Installed Vapor Pipe (in., O.D.)	5/8
IDU Liquid Connection (in., O.D.)	3/8
IDU Vapor Connection (in., O.D.)	5/8
Additional Refrigerant (oz./ft.)	0.38
Min. / Max. Pipe Length (ft.)[2]	16.4 / 164
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

Controls Features:

- Inverter (Variable Speed Compressor)
- Hot Start
- Self Diagnosis
- Soft Dry Operation
- Auto Changeover
- R32 Leak Detection Sensor
- Child Lock
- Auto Operation
- Auto Restart
- Sleep Mode
- Timer (on/off/weekly)
- Two Thermistor Control
- Optional Wi-Fi Control
- ESP Control
- ECM fan provides constant airflow regardless of permitted ESP

Standard Features:

- Access Panel for Field Supplied Air Filter - 16 x 20 x 1
- ODU Base Pan Heater

Optional Accessories:

☐ Auxillary Heater Kit - PRARH1
☐ Wi-Fi Module - PWFMDD200
☐ Single Port Shutoff Valve - PRHPZ010A
☐ Downflow Conversion Kit - PNDFA0
☐ Electric Heat Kits - ANEHxx3Cx[3]
☐ ODU Wind Baffle - ZLABGP04B

Controller Options:

☐ Wireless Remote Controller[4]
☐ MultiSITE™ CRC Controllers
☐ Simple Remote Controller
☐ Standard III Remote Controllers
☐ Remote Temperature Button Sensor
☐ Dry Contacts
☐ AC Smart 5 Central Controller
☐ LonWorks® Gateway
☐ MultiSITE Comm. Mgr.
☐ ACP 5 BACnet™ Gateway

For a complete list of available accessories, contact your LG representative.
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Operating Range:

Outdoor Unit:

Cooling (°F DB)	5 ~ 118
Heating (°F WB)	-13~ +64

Indoor Unit:

Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (oz)	67
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])[5]	51 / 52
IDU Sound Pressure (H/M/L) (±1 dB[A])[5]	36 / 33 / 29
ODU Net / Shipping Weight (lbs.)	141.8 / 160.1
IDU Net / Shipping Weight (lbs.)	118 / 128
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Sirocco
Fan Speeds (Fan/Cool/Heat)	3 / 3 / 3
Fan Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
Maximum ODU Air Volume (CFM)	2,048
IDU Air Flow (CFM Max. H/M/L)	800 / 700 / 580
Minimum~Maximum ESP (in wg)	0.1 ~ 1.0
Dehumidification (pts./hr.)	4.23

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Piping lengths are equivalent.
3. Refer to the Engineering Manual for available auxiliary heater capacities.
4. Requires an LG wall controller because Multi-Position AHU do not have an infrared receiver.
5. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
6. All power supply wiring to the outdoor unit is field supplied, solid or stranded. The power wiring and the communication wiring from the outdoor 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 Supply Wiring to ODU: (No. x AWG): 3 x 12 for 12k, 18k, and 24k; 3 x 10 for 30k, 36k, 42k, and 48k.
   b. Power Wiring and Communication Wiring from Outdoor Unit to Indoor Unit: (No. x AWG) 3 x 14 / 2 x 18.
7. See Engineering Manual for sensible and latent capacities.
8. Power wiring cable size must comply with the applicable local and national code.
9. The indoor unit comes with a dry helium charge.
10. This data is rated 0 ft. above sea level, with 24.6 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
11. Must follow installation instructions in the applicable LG installation manual.
12. If the optional low ambient wind baffle is used, one wind baffle is required for each ODU fan.

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Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov. (ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.)

Job Name/Location: _____

KSSLA241A

R32 Single Zone LGRED™ Multi-Position Air Handling U

Outdoor Unit (ODU) - KUSXA241A. Indoor Unit (IDU) - KNSLA241A

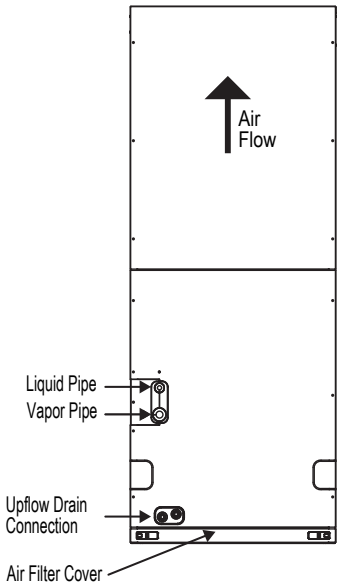
Tag No.: _____

Date: _____

PO No.: _____

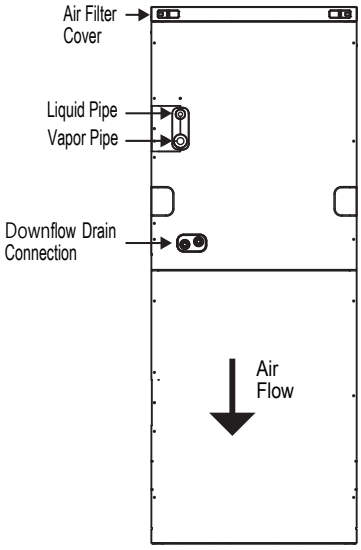
Factory Configurations

Vertical Upflow



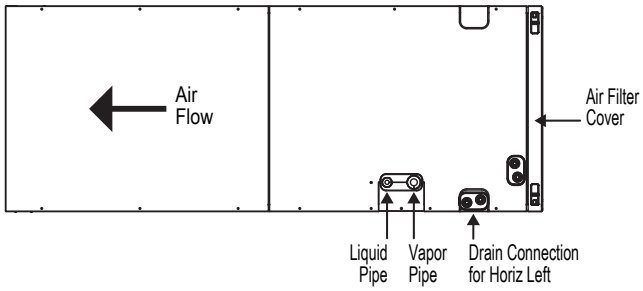
Field Configurations

Vertical Downflow

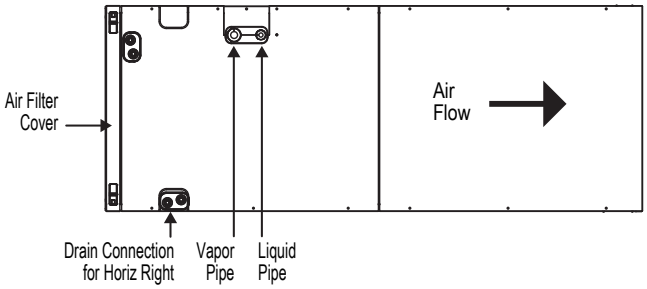


Requires vertical downflow kit

Horizontal Left



Horizontal Right



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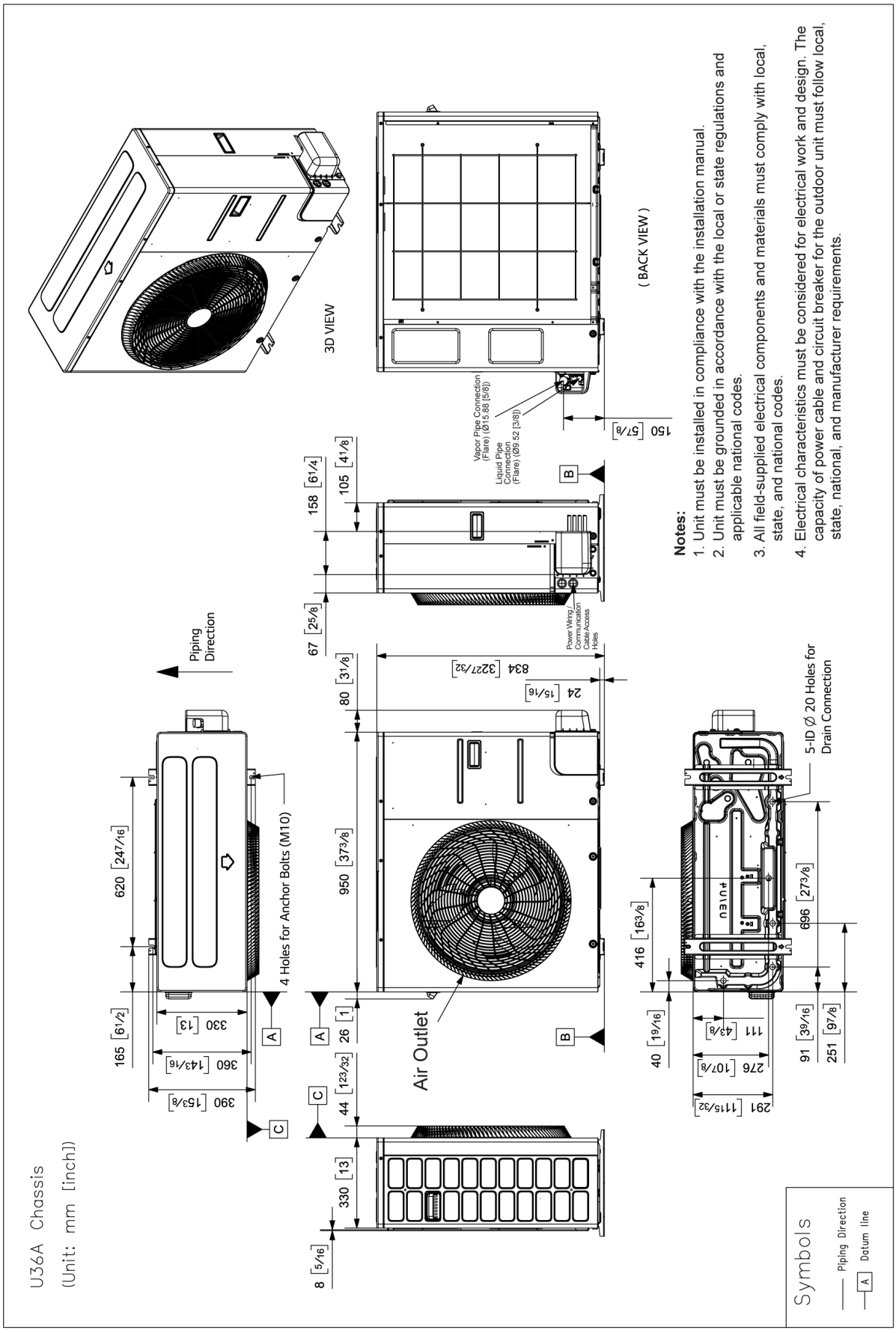

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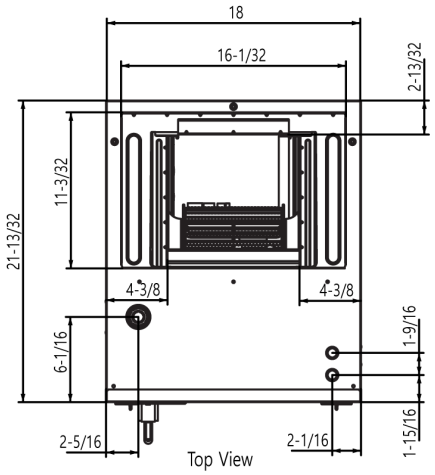
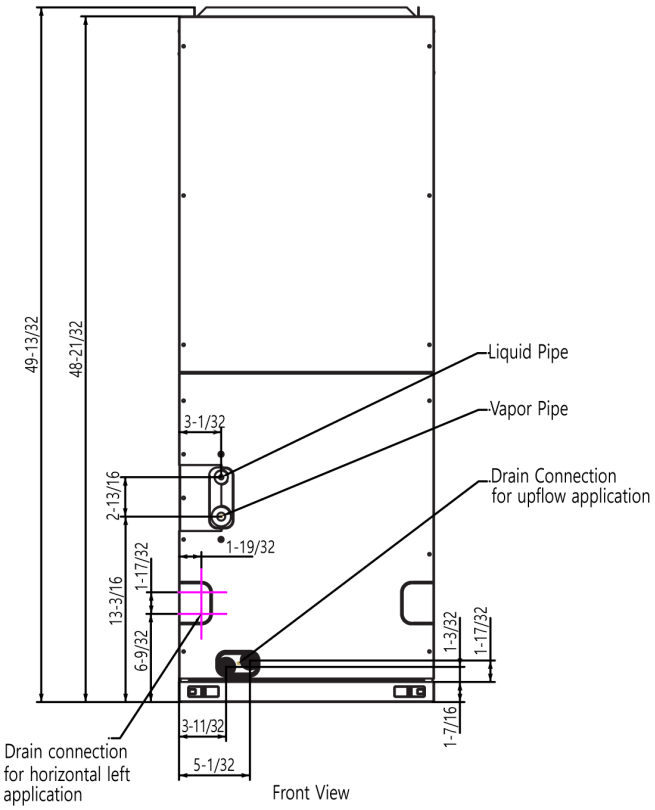
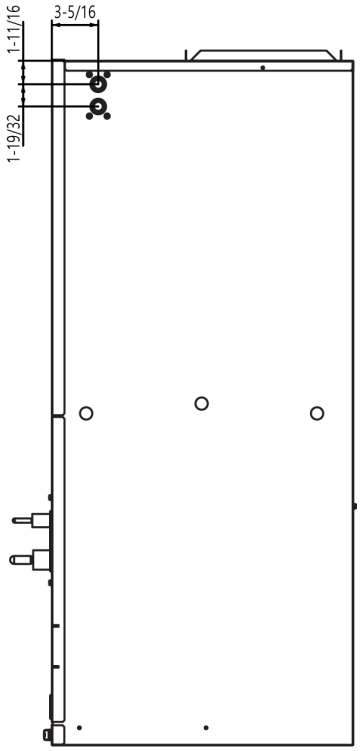


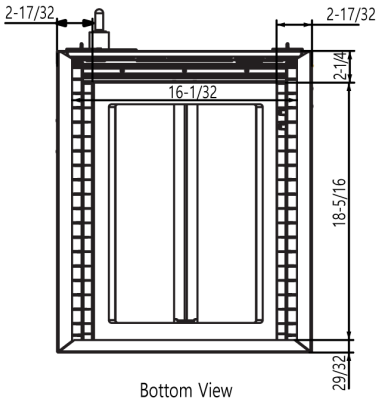
Top View



Front View



Side View



Bottom View

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