Job Name/Location: Tag No.:

Date: For: ☐ File ☐ Resubmit ☐ Approval ☐ Other_____

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSLE242A
R32 Single Zone Multi-Position Air Handling Unit
Outdoor Unit (ODU) - KUSXE241A, Indoor Unit (IDU) - KNSLE242A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	9,600 ~ 24,000 ~ 25,000
SEER2	16.00
EER2	10.00

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	10,800 ~ 23,600 ~ 26,000
HSPF2	8.5
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	17,570
Outdoor 5°F WB	14,200

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[1]/Hz/Ø)	208-230/60/1
MOP (A)	25
MCA (A)	15.4
Cooling / Heating Rated Amps (A)	10.5 / 8.9
Compressor (A)	11.3
Fan Motor (IDU + ODU) (A)	2.6 + 1.3
Cooling Power Input (Min~Rated~Max, kW)	0.58 ~ 2.40 ~ 2.80
Heating Power Input (Min~Rated~Max, kW)	0.65 ~ 2.03 ~ 2.45
Locked Rotor Amps (A)	11.3

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.)	0.43
Min. / Max. Pipe Length (ft.)[2]	16.4 / 98.4
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	49.2

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

Standard Features:

- Access Panel for Field Supplied Air Filter - 16 x 20 x 1

Optional Accessories:

☐ Auxillary Heater Kit - PRARH1
☐ Wi-Fi Module - PWFMDD200
☐ Single Port Shutoff Valve - PRHPZ010A
☐ ODU Base Pan Heater - POSH1200
☐ Downflow Conversion Kit - PNDFA0
☐ Electric Heat Kits - ANEHxx3Cx[3]

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

Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	4 ~ 64

Indoor Unit:

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

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (oz)	49.38
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])[5]	52 / 54
IDU Sound Pressure (H/M/L) (±1 dB[A])[5]	36 / 33 / 29
ODU Net / Shipping Weight (lbs.)	92.6 / 103.6
IDU Net / Shipping Weight (lbs.)	113 / 123
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)	1,765
IDU Air Flow (CFM Max. H/M/L)	800 / 700 / 580
Default ESP (in wg)	0.3
Minimum ESP/Fan Setting Value[6]	0.1 / 44
Maximum ESP/Fan Setting Value[6]	1.0 / 107
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. Maximum static pressure may result in reduced airflow (CFM).
7. 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, 48k and 60k.
   b. Power Wiring and Communication Wiring from Outdoor Unit to Indoor Unit: (No. x AWG) 3 x 14 / 2 x 18.
8. See Engineering Manual for sensible and latent capacities.
9. Power wiring cable size must comply with the applicable local and national code.
10. The indoor unit comes with a dry helium charge.
11. 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.
12. Must follow installation instructions in the applicable LG installation manual.

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AHRI CERTIFIED® www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

For a complete list of available accessories, contact your LG representative.
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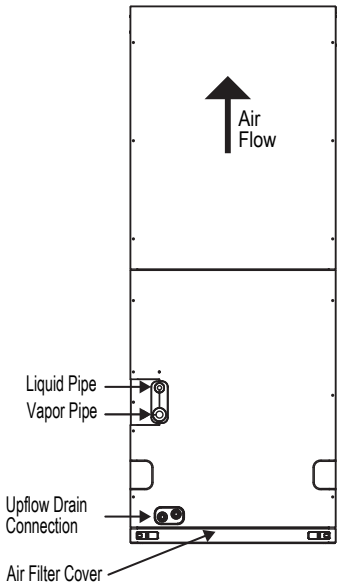
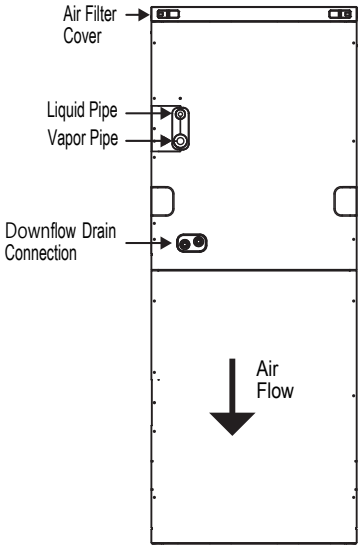
Factory Configurations

Vertical Upflow



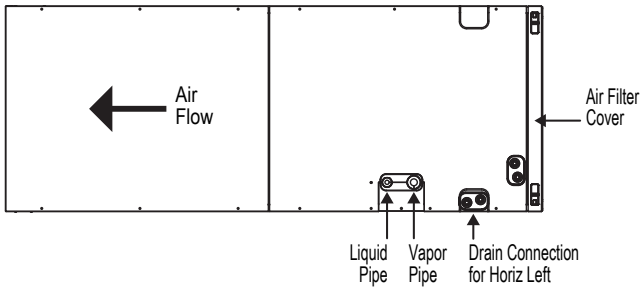
Field Configurations

Vertical Downflow

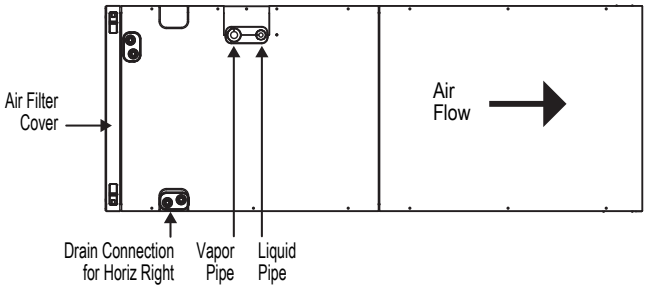


Requires vertical downflow kit

Horizontal Left



Horizontal Right



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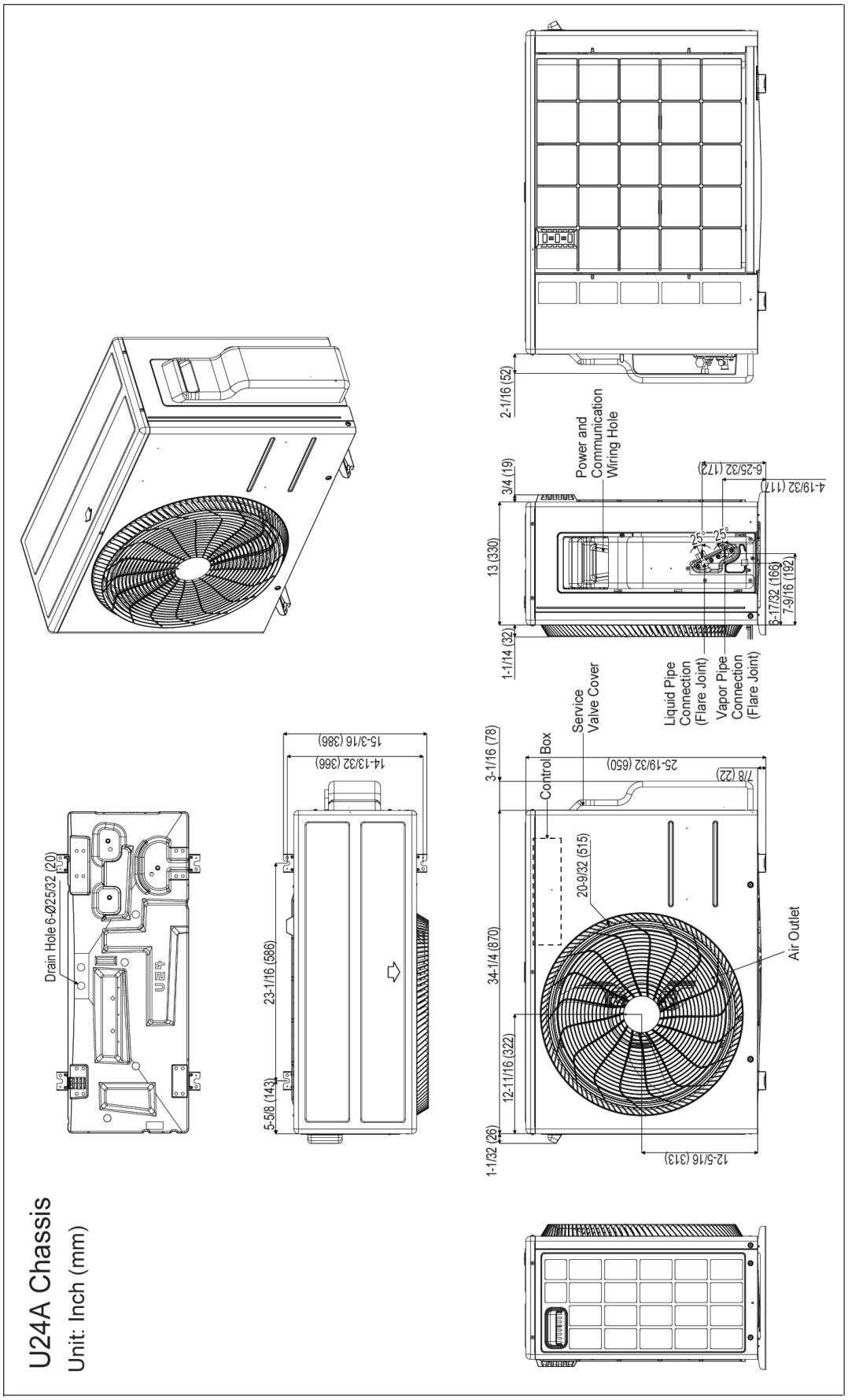

U24A Chassis

Unit: Inch (mm)

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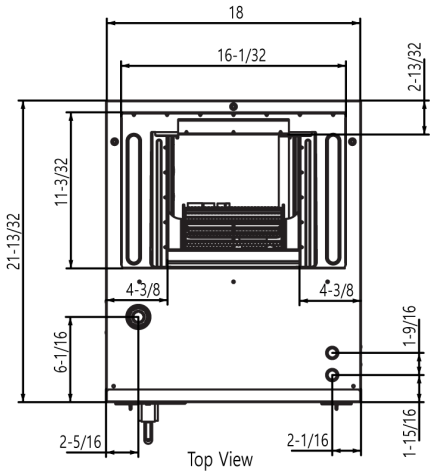
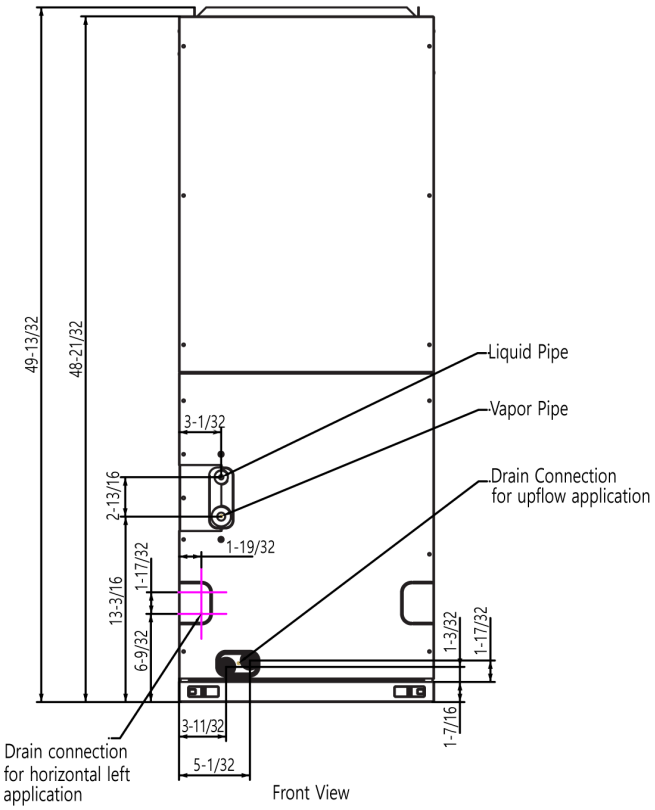
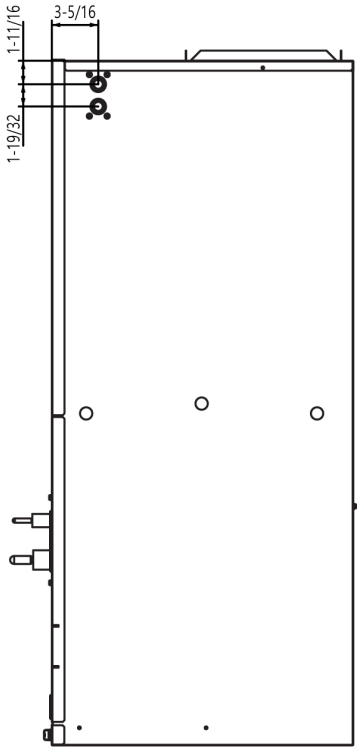


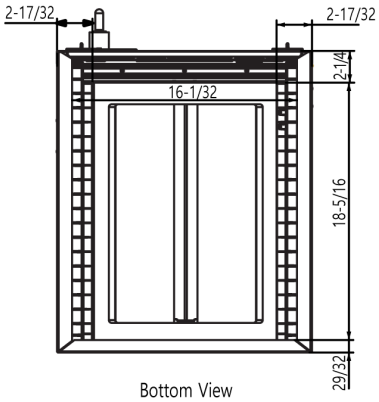
Top View



Front View



Side View



Bottom View

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