Job Name/Location: Tag No.:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSPB361A080-C1

R32 Standard Single-Zone System - A-Coil + Gas Furnace (80%)

A-Coil Unit - LKMMA36C1, Outdoor Unit (ODU) - KUSXB361A, Gas Furnace - LNAEA080C1

Outdoor Unit Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	12,900~34,000~37,000
SEER2	17.5
EER2	11.70

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	14,800~36,000~43,000
HSPF2	9.0
Max. Heating @ Indoor 70°F DB	
Outdoor 17°F WB	37,700
Outdoor 5°F WB	34,000
Outdoor -4°F WB	30,900

HSPF - Heating Seasonal Performance Factor

Outdoor Unit Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
MOP (A)	35
MCA (A)	32
Cooling Rated Amps (A)	12.8
Heating Rated Amps (A)	12.7
Compressor (A)	22.0
Fan Motor (ODU) (A)	1.6 + 1.6
Cooling Power Input (Min~Rated~Max @95°F) (kW)	1.02~2.906~3.43
Heating Power Input (Min~Rated~Max @47°F) (kW)	0.99~2.900~3.83

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Outdoor Unit Piping:

Liquid (in., O.D.)[2]	3/8 Flare
Vapor (in., O.D.)[2]	5/8 Flare
Additional Refrigerant (oz./ft.)	0.43
Min. / Max. Pipe Length (ft.)[3]	16.4 / 246
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

Outdoor Unit Operating Range:

Cooling (°F DB)	5 ~ 118
Heating (°F WB)	-4 ~ +64

Outdoor Unit Features:

- Inverter (Variable Speed) Compressor
- Built-in Communication Kit

A-Coil Features:

- Aluminum Coil
- Fully Insulated Cabinet
- High Efficiency "A" Coil
- Built-in plenum flanges for fast and safe installation
- Multi-Position Installation: Vertical, Downflow, or Horizontal
- Vertical and Horizontal Drain Pans
- Left and Right Drain Connections
- Factory installed TXV's with bolt on connections
- Factory installed Refrigerant Detection sensor

Gas Furnace Features:

- Aluminized steel tubular heat exchanger
- Hot-surface ignition
- Multi-speed direct-drive blower
- Designed for multi-position installation

Optional Outdoor Unit Accessories:

☐ LG Airzone Aidoo Pro Wi-Fi Controller - AZAI6WSPLGE
☐ Drain Pan Heater - PQSH1200
☐ Single-Port Shutoff Valve - PRHPZ010A
☐ Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP04B
Requires 2

Outdoor Unit Data:

Compressor Type x Qty.	R1 Scroll x 1
Refrigerant Type	R32
Refrigerant Control	EEV – ODU, TXV – A-Coil
Pre-Charge + Additional Charge for A-Coil (lbs.)	6.63 + 0.88
Sound Pressure (Cooling / Heating) (±1 dB[A])[4]	52 / 54
Net / Shipping Weight (lbs.)	190.2 / 214.3

Fan:

ODU Fan Type x Qty.	Axial x 2
ODU Fan Speeds (Fan/Cool/Heat)	4 / 5 / 5
ODU Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Flow Rate (CFM)	1,942 x 2
Air Flow Range through A-Coil (CFM) (Min. ~ Max.)	840~1,200
Corresponding ESP Range (in. w.g.) (Min. ~ Max.)	0.1~0.8
Dehumidification (pts./hr.)	7.17

A-Coil Unit:

Nominal Capacity (Btu/h)	34,000
Type	21 inch
Coil Material	Aluminum
Case Width x Height x Depth (in.)	21 x 26 x 21
Net / Shipping Weight (lbs.)	55 / 62
Liquid Piping (in., O.D.)[2]	3/8 Braze
Vapor Piping (in., O.D.)[2]	3/4 Braze

Gas Furnace:

Performance:	
Input (Btu/h) (Natural/Propane)	80,000/80,000
Output (Btu/h) (Natural/Propane)	64,000/64,000
Air Temperature Rise (°F)	30-60
Design Max. Outlet Air Temp. (°F)	160
AFUE	80
Gas Furnace Data:	
Blower Type / Fan Speed No.	Sirocco/5
Motor Type	ECM
Airflow Range (CFM)	600~1,240
Ignition Type / No. of Burners	Automatic/5
Min./Max. Inlet Gas Pressure (Natural, in. w.c.)	4.5/10.5
Min./Max. Inlet Gas Pressure (Propane, in. w.c.)	11/13
Case Width x Height x Depth (in.)	21 x 33-3/4 x 28-1/2
Shipping Weight (lbs.)	163
Gas Furnace Electrical:	
Power Supply (V/Hz/Ø)	115/60/1
MOP (A)	15
MCA (A)	8

AFUE - Annual Fuel Utilization Efficiency

Must follow installation instructions in the applicable LG installation manual.

Intertek

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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A-Coil Unit - LKMMA36C1, Outdoor Unit (ODU) - KUSXB361A, Gas Furnace - LNAEA080C1

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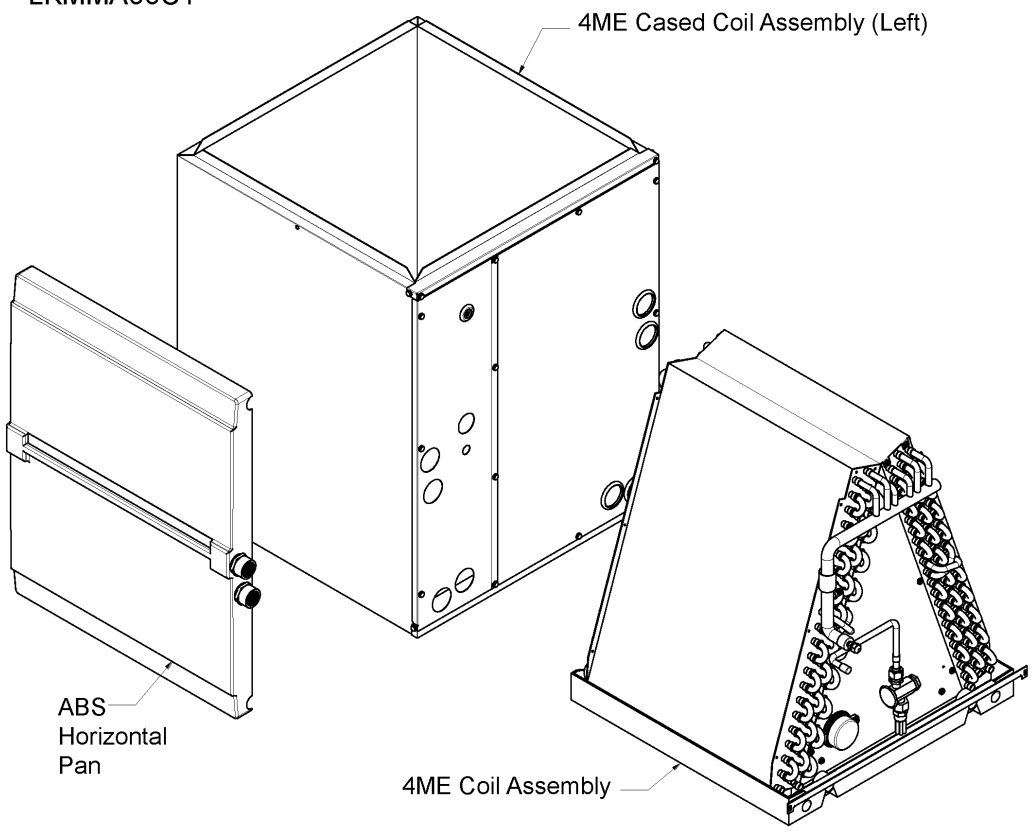
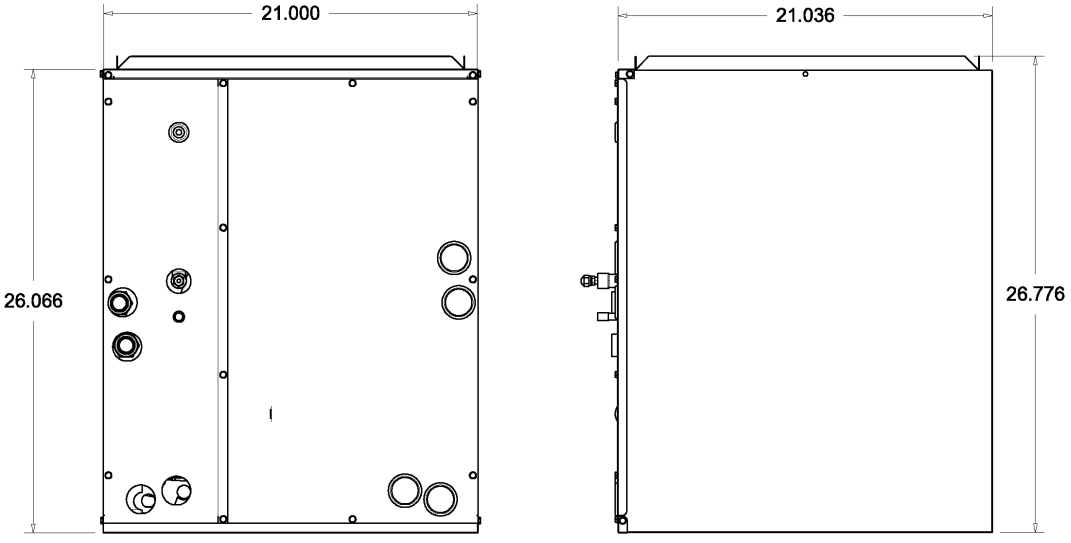
Notes:

1. Acceptable operating voltage: 187V-253V.
2. Adapters for piping connections are shipped with the outdoor unit.
3. Piping lengths are equivalent.
4. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. 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 furnace 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 Outdoor Unit (No. x AWG): 3 x 12 for 18k and 24k; 3 x 10 for 30k, 36k, 42k, 48k, and 60k.
   b. Power Supply Wiring to the third-party Furnace is to be specified by the manufacturer.
   c. Control Cable between the Outdoor Unit and the third-party Furnace (No. x AWG): 6 x 18.
   d. The 24V Control Power to the A-Coil is to be sourced from the third-party Furnace.
   e. The Control Cable between the third-party Furnace and the thermostat (No. x AWG): 6 x 18.
6. Nominal data is rated 0 ft. above sea level, with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
7. Must follow installation instructions in the applicable LG installation manual.

LKMMA36C1





UNLESS OTHERWISE SPECIFIED:
ALL BENDS 90 DEGREES.
ANGLES +/- 2 DEGREES.
ALL HOLE SIZES +/- .010
ALL HOLE TO HOLE DIM. +/- .015
X.X +/- .125
X.XX +/- .063
X.XXX +/- .032
THICKNESS

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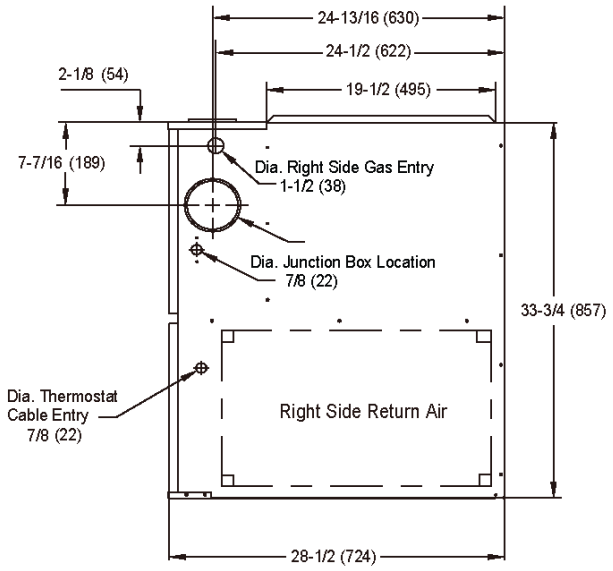
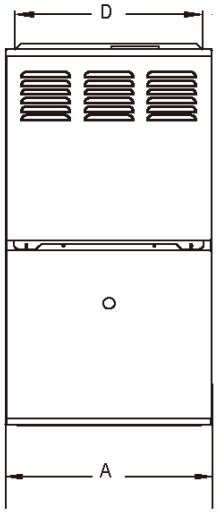
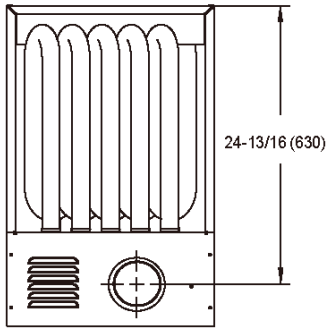
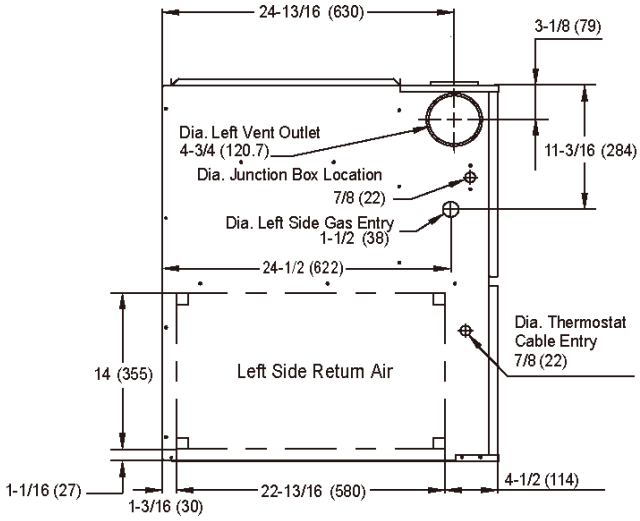
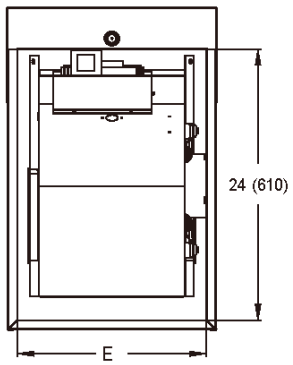
Unit: Inches (mm)











Furnace Size	A Cabinet Width (in. [mm])	D Supply Air Width (in. [mm])	E Return Air Width (in. [mm])
LNAEA040A1	14.5 (368)	13 (330)	15-57/32 (326)
LNAEA060B1	17.5 (446)	16 (406)	15-27/32 (402)
LNAEA080C1	21 (533)	19.5 (495)	19-13/32 (493)
LNAEA100C1	21 (533)	19.5 (495)	19-13/32 (493)
LNAEA120D1	24.5 (622)	23 (584)	22-27/32 (580)

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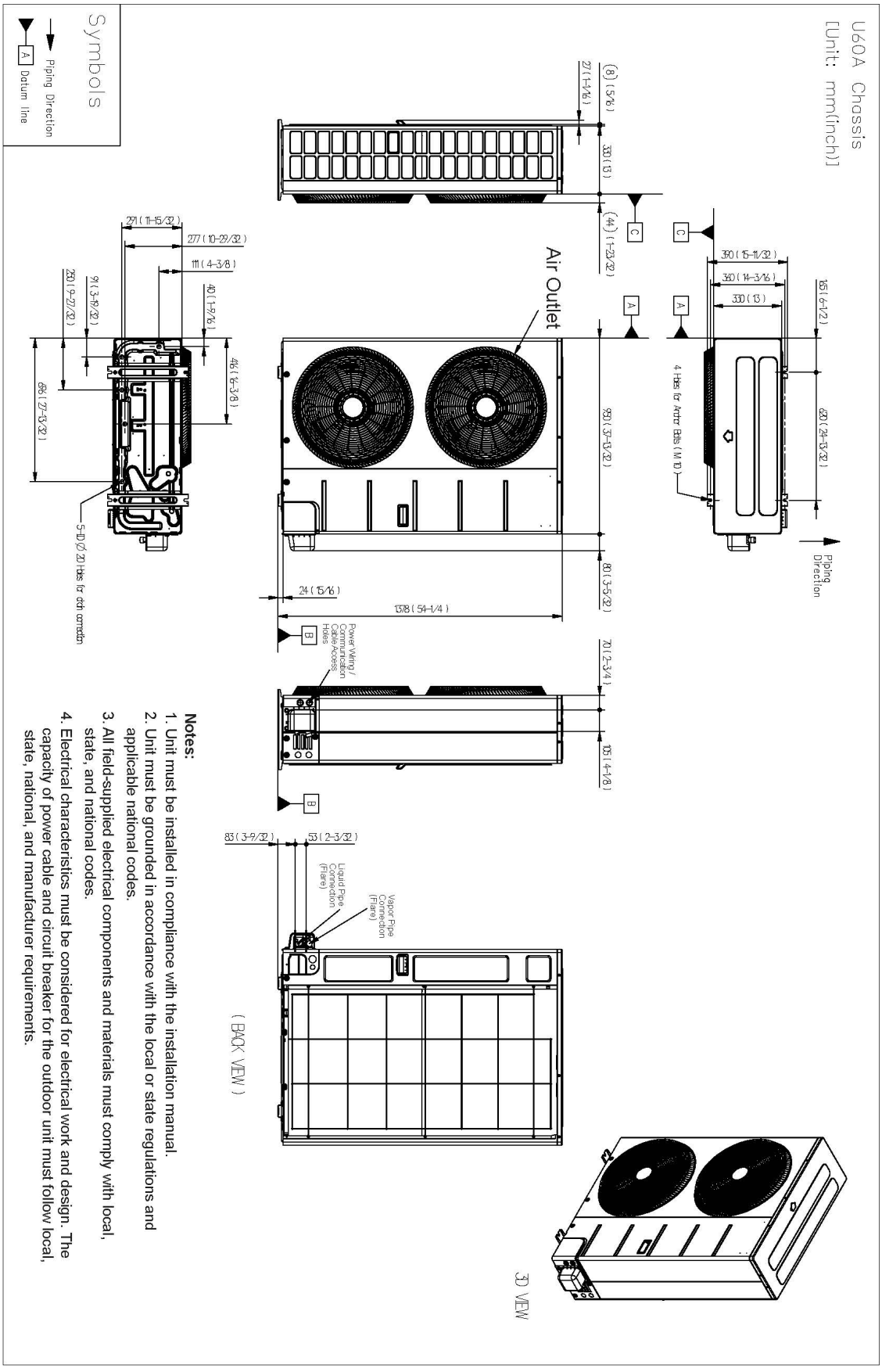

Notes:

1. Unit must be installed in compliance with the installation manual.
2. Unit must be grounded in accordance with the local or state regulations and applicable national codes.
3. All field-supplied electrical components and materials must comply with local, state, and national codes.
4. Electrical characteristics must be considered for electrical work and design. The capacity of power cable and circuit breaker for the outdoor unit must follow local, state, national, and manufacturer requirements.

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