Job Name/Location: Tag No.:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSCA481A

R32 Single-Zone 3x3 Four-Way Ceiling Cassette with LGRED°

Outdoor Unit (ODU) - KUSXA481A, Indoor Unit (IDU) -KNSCB481A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	19,200~ 48,000~55,000
SEER2	20.8
EER2	12.7

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	19,000~52,000~61,000
HSPF2	10.6
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	54,500
Outdoor 5°F WB	44,500
Outdoor -4°F WB	41,160
Outdoor -13°F WB	37,910

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)	40
MCA (A)	32
Cooling / Heating Rated Amps (A)	26.5 / 26.5
Compressor (A)	22.0
Fan Motor (IDU + ODU) (A)	1.3 + (1.6 x 2)
Cooling Power Input (Min~Rated~Max, kW)	1.09~3.78~5.82
Heating Power Input (Min~Rated~Max, kW)	1.40~ 3.63~6.20
Locked Rotor Amps (A)	22

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

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

Features:

- Inverter (Variable Speed Compressor)
- Internal Condensate Pump
- Jet Cool / Jet Heat
- Auto Restart
- Auto Changeover
- Ultra-quiet Turbo Fan
- Night Quiet Function
- Optional Wi-Fi Control
- Drain Pan Heater
- Swirl Wind
- Direct / Indirect Wind
- Smart Mode
- Refresh Mode

Included Accessories:

- Wireless Remote Controller - PWLSSB21H

Required Accessories:

☐ Grille Kit - PT-AAGW0

Optional Accessories:

☐ Premium Panel (incl. Panel PT-AFGW0 + Air Purif. Kit PTAHMP0)-PT-AFGW0S
☐ Decorative Cover-PTDCA
☐ Flange-PTVK430
☐ Auxillary Heater Kit-PRARH1
☐ Wi-Fi Module-PWFMDD200
☐ Low Ambient Wind Baffle (Cooling operation to -4°F)-ZLABGP04B Require 2

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Simple Remote Controller
☐ Standard III Remote Controllers
☐ Remote Temperature Button Sensors
☐ Dry Contacts
☐ AC Smart 5 Central Controller
☐ LonWorks® Gateway
☐ MultiSITE Comm. Mgr.
☐ ACP 5 BACnet Gateway
☐ AHU Communication Kit

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

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 (lbs.)	7.50
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])[3]	54 / 56
IDU Sound Pressure (H/M/L/SL) (±1 dB[A])[3]	46 / 43 / 41
ODU Net / Shipping Weight (lbs.)	217.6 / 238.1
IDU Net / Shipping Weight (lbs.)	60.2 / 74.3
Grille Net Weight (lbs.)	15.6 / 20.5
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Turbo
Fan Speeds (Fan/Cool/Heat)	4 / 5 / 5
Quantity (ODU + IDU)	2 + 1
Motor/Drive	Brushless Digitally Controlled/ Direct
Maximum ODU Air Volume (CFM)	1942 x 2
IDU Air Flow (CFM Max./H/M/L)	1130 / 953 / 812
Dehumidification (pts./hr.)	11.5

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Piping lengths are equivalent.
3. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
4. 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 Outdoor Unit (No. x AWG): 3 x 12 for 9k, 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.
5. See Engineering Manual for sensible and latent capacities.
6. This unit comes with a dry helium charge.
7. 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.
8. Must follow installation instructions in the applicable LG installation manual.
9. If the optional low ambient wind baffle (ZLABGP04A) 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.)

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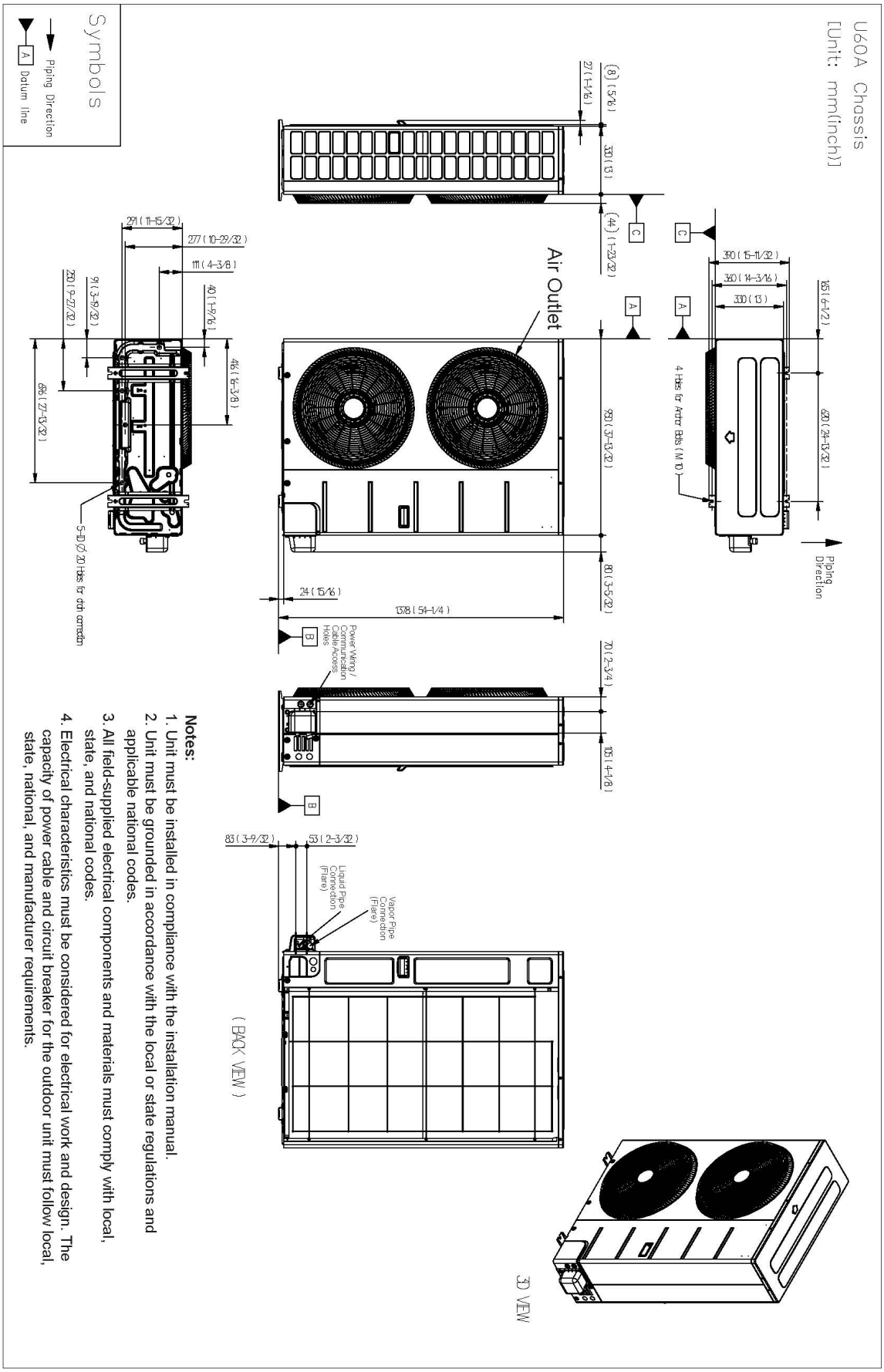

Notes:

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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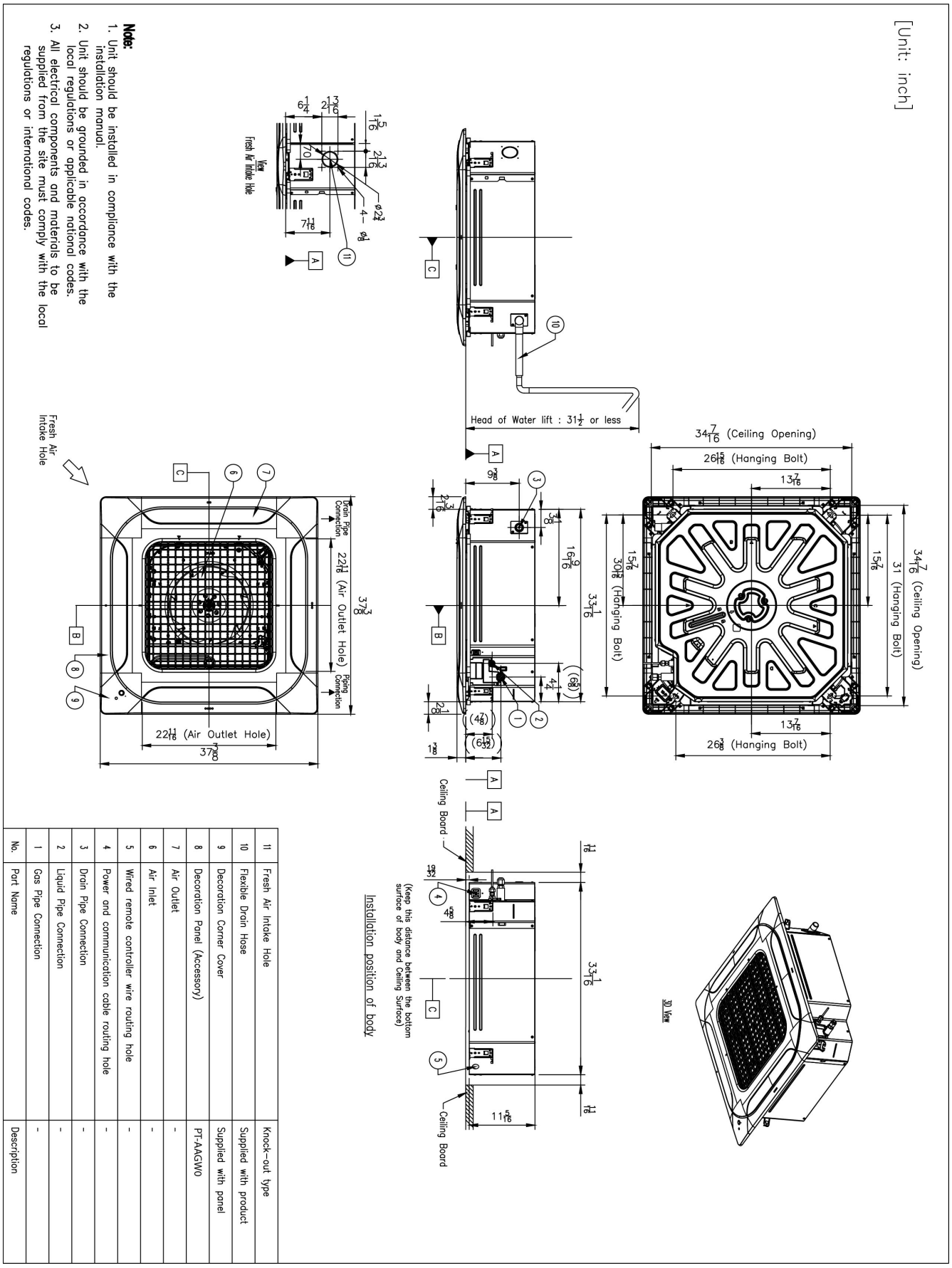

No.	Part Name	Description
1	Gas Pipe Connection	-
2	Liquid Pipe Connection	-
3	Drain Pipe Connection	-
4	Power and communication cable routing hole	-
5	Wired remote controller wire routing hole	-
6	Air Inlet	-
7	Air Outlet	-
8	Decoration Panel (Accessory)	PT-AAGW0
9	Decoration Corner Cover	Supplied with panel
10	Flexible Drain Hose	Supplied with product
11	Fresh Air Intake Hole	Knock-out type

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