Job Name/Location: Tag No.:

Date:

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other_____

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSUQB121A

R32 Single Zone Low Wall Console

Outdoor Unit (ODU) - KUSXB121A, Indoor Unit (IDU) - KNUQB121A

Performance:

Cooling:

Cooling (Min~Rated~Max, Btu/h)	4,500 ~ 10,200 ~ 13,460
SEER2	19.7
EER2	13

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating (Min~Rated~Max, Btu/h)	5,970 ~ 13,000 ~ 16,600
HSPF2	10.5

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[1] (V/Hz/Ø)	208-230 / 60 / 1

Outdoor Unit:

MOP (A)	15
MCA (A)	13.4
Cooling Rated Amps (A)	10.1
Heating Rated Amps (A)	10.1
Compressor(A)	9.0
Fan Motor (IDU + ODU) (A)	0.7 + 0.4
Cooling Power Input (kW)	0.4 ~ 0.78 ~ 1.35
Heating Power Input (kW)	0.55 ~ 1.06 ~ 1.64

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	1/4
Vapor Line (in., O.D.)	3/8
Additional Refrigerant (oz./ft.)	0.22
Max. Pipe Length[2] (ft.)	65.6
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	49.2

Features:

- Hot start
- Inverter (variable speed fan)
- Auto restart
- Control lock
- Group control
- Timer (on/off)
- Sleep Mode
- Optional Wi-Fi Control
- R32 leak detection sensor

Included Accessories:

☐ Wireless Remote Controller — PQWRHQ0FDB

Optional Accessories:

☐ Drain Pan Heater - PQSH1202
☐ Wi-Fi module with cable - PWFMDD200
☐ Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP01A

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Simple Remote Controller
☐ Standard III Remote Controller
☐ Dry Contacts

Operating Range:

Outdoor Unit:

Cooling (°F DB)	0 to 118
Heating (°F WB)	-4 to +64

Indoor Unit:

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

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	2.42
ODU Sound Pressure Max (Cool / Heat) ±3 dB(A)[3]	49 / 52
IDU Sound Pressure (H/M/L) ±3 dB(A)[3]	39 / 32 / 27
ODU Net / Shipping Weight (lbs.)	75 / 79.4
IDU Net / Shipping Weight (lbs.)	33.7 / 39.7
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Sirocco
Fan Speeds (Fan / Cool / Heat)	4 / 5 / 5
Fan Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Circulation (CFM)	988
IDU Air Circulation (Max/H/M/L) (CFM)	353 / 318 / 244 / 184
Dehumidification Rate (pts/hr)	2.3

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 and 12k.
   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 for total and sensible capacities during cooling cycle.
6. The indoor 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.

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.)

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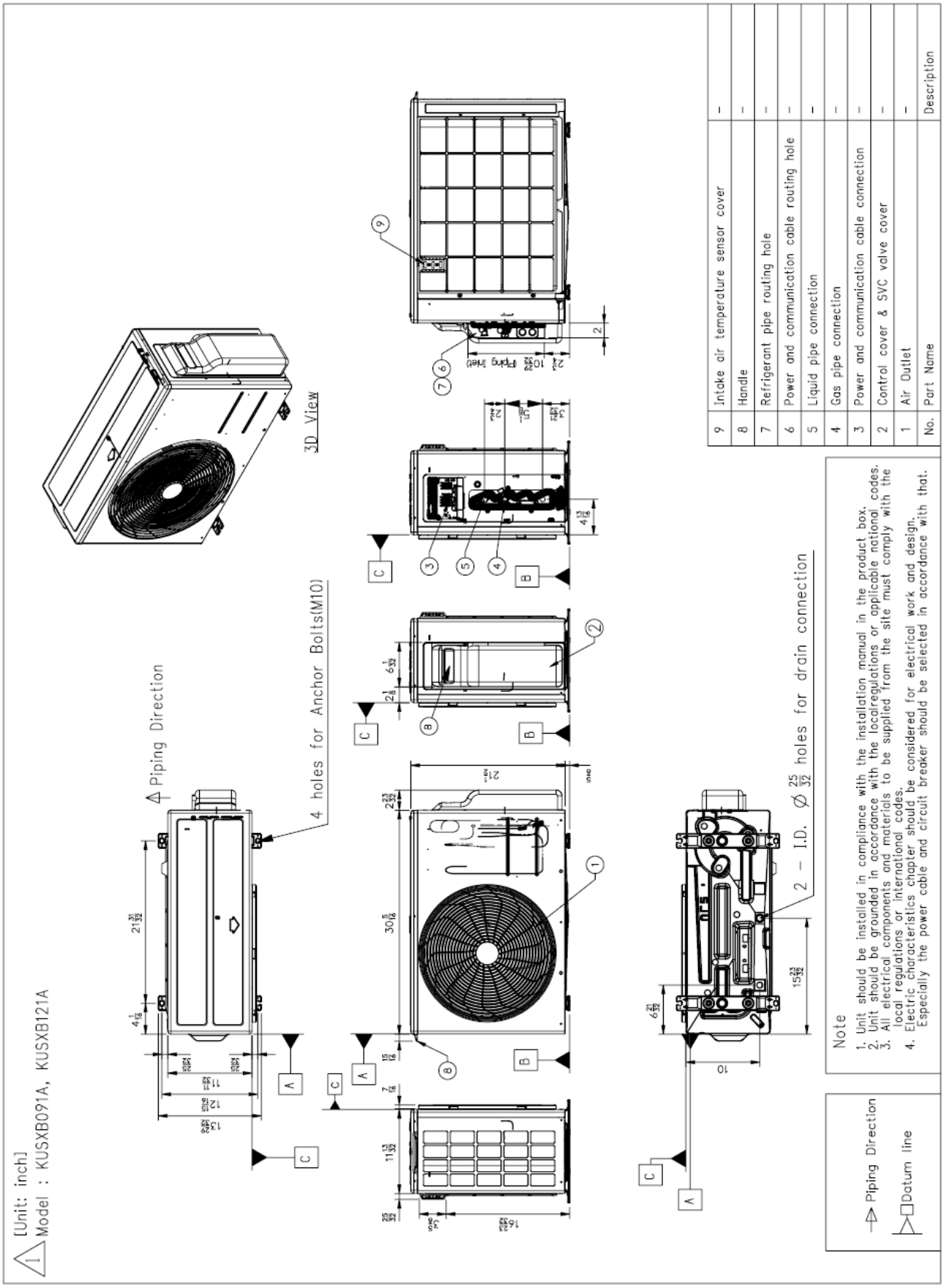

No.	Part Name	Description
9	Intake air temperature sensor cover	–
8	Handle	–
7	Refrigerant pipe routing hole	–
6	Power and communication cable routing hole	–
5	Liquid pipe connection	–
4	Gas pipe connection	–
3	Power and communication cable connection	–
2	Control cover & SVC valve cover	–
1	Air Outlet	–

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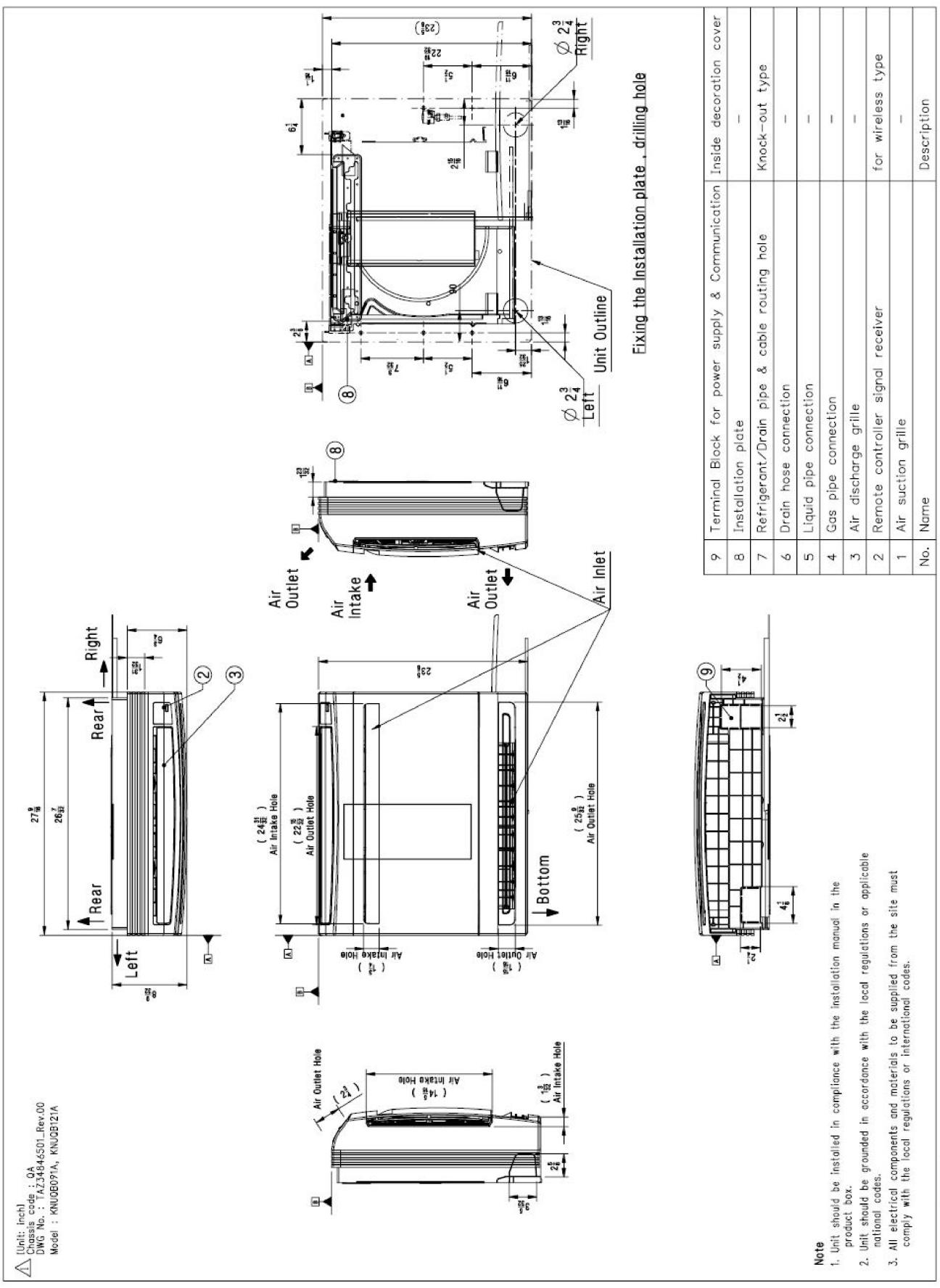

No.	Name	Description
9	Terminal Block for power supply & Communication	Inside decoration cover
8	Installation plate	–
7	Refrigerant/Drain pipe & cable routing hole	Knock-out type
6	Drain hose connection	–
5	Liquid pipe connection	–
4	Gas pipe connection	–
3	Air discharge grille	–
2	Remote controller signal receiver	for wireless type
1	Air suction grille	–

Note

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.

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