Job Name/Location: **Tag No.:**

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

PO No.:

Architect: **GC:**

Engr: **Mech:**

Rep:
(Company) (Project Manager)

KSSAL241A
R32 Single Zone Art Cool Premier Wall Mounted
Outdoor Unit (ODU) - KUSAL241A, Indoor Unit (IDU) - KNSAL241A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	3,070 ~ 22,000 ~ 30,000
SEER2	23.0
EER2	13.00

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	3,070 ~ 24,000 ~ 30,800
HSPF2	10.2
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 19°F DB / 17°F WB	24,300
Outdoor 6°F DB / 5°F WB	21,600
Outdoor 1°F DB / 0°F WB	19,520
Outdoor -12°F DB /-13°F WB	14,780

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 (V¹/Hz/Ø)	208-230 / 60 / 1
MOP (A)	30
MCA (A)	19
Cooling / Heating Rated Amps (A)	14.8
Compressor (A)	14.4
Fan Motor (IDU + ODU) (A)	0.5 + 0.4
Cooling Power Input (Min~Rated~Max, kW)	0.40 ~ 1.69 ~ 3.17
Heating Power Input (Min~Rated~Max, kW)	0.66 ~ 1.92 ~ 3.24
Locked Rotor Amps (A)	17

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	3/8 Flare
Vapor Line (in., O.D.)	5/8 Flare
Additional Refrigerant (oz./ft.)	0.32
Min. / Max. Pipe Length (ft.)²	9.8 / 164.0
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

Features:

- Inverter (Variable Speed Compressor)
- 24-Hour on/off timer
- 4-Way auto swing
- Sleep Mode
- Jet Cool/Jet Heat
- Auto Restart
- Auto Changeover
- Built-in Drain pan heater
- Built-in Wi-Fi via ThinQ app
- Smart Diagnosis
- Low ambient cooling down to 14°F (0°F with Wind Baffle Kit)
- Self-cleaning indoor coil

Included Accessories:

- Wireless Remote Controller — AKB76044208

Optional Accessories:

☐ PI-485 - PMNFP14A1
☐ Low Ambient Wind Baffle (Cooling to 0°F) - ZLABGP04B

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Standard III Remote Controllers
☐ Remote Temp. Button Sensor
☐ Dry Contacts
☐ AC Smart 5 Central Controller
☐ LonWorks® Gateway
☐ MultiSITE Comm. Mgr.
☐ AC Smart BACnet® Gateway

Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	-13 ~ +65

Indoor Unit:

Cooling (°F WB)	53 ~ 75
Heating (°F DB)	60 ~ 86

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	4.08
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])³	55 / 56
IDU Sound Pressure	
Cooling (H/M/L/SL) (±1 dB[A])³	49 / 44 / 40 / 30
Heating (H/M/L) (±1 dB[A])³	49 / 44 / 40
ODU Net / Shipping Weight (lbs.)	135.4 / 147.7
IDU Net / Shipping Weight (lbs.)	37.7 / 45.6
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Cross Flow
Fan Speeds (Fan/Cool/Heat)	6 / 6 / 6
Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled / Direct
Maximum ODU Air Volume (CFM)	2,119
IDU Air Flow	
Cooling, Max/H/M/L (CFM)	813 / 601 / 495 / 389
Heating, Max/H/M/L (CFM)	919 / 707 / 601 / 495
Dehumidification (pts./hr.)	4.65

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 communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 14 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes.
5. See Engineering Manual for sensible and latent capacities.
6. Power wiring cable size must comply with the applicable local and national code.
7. The indoor unit comes with a dry helium charge.
8. 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.
9. Must follow installation instructions in the applicable LG installation manual.

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ENERGY STAR ENERGY STAR COLD CLIMATE

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.)

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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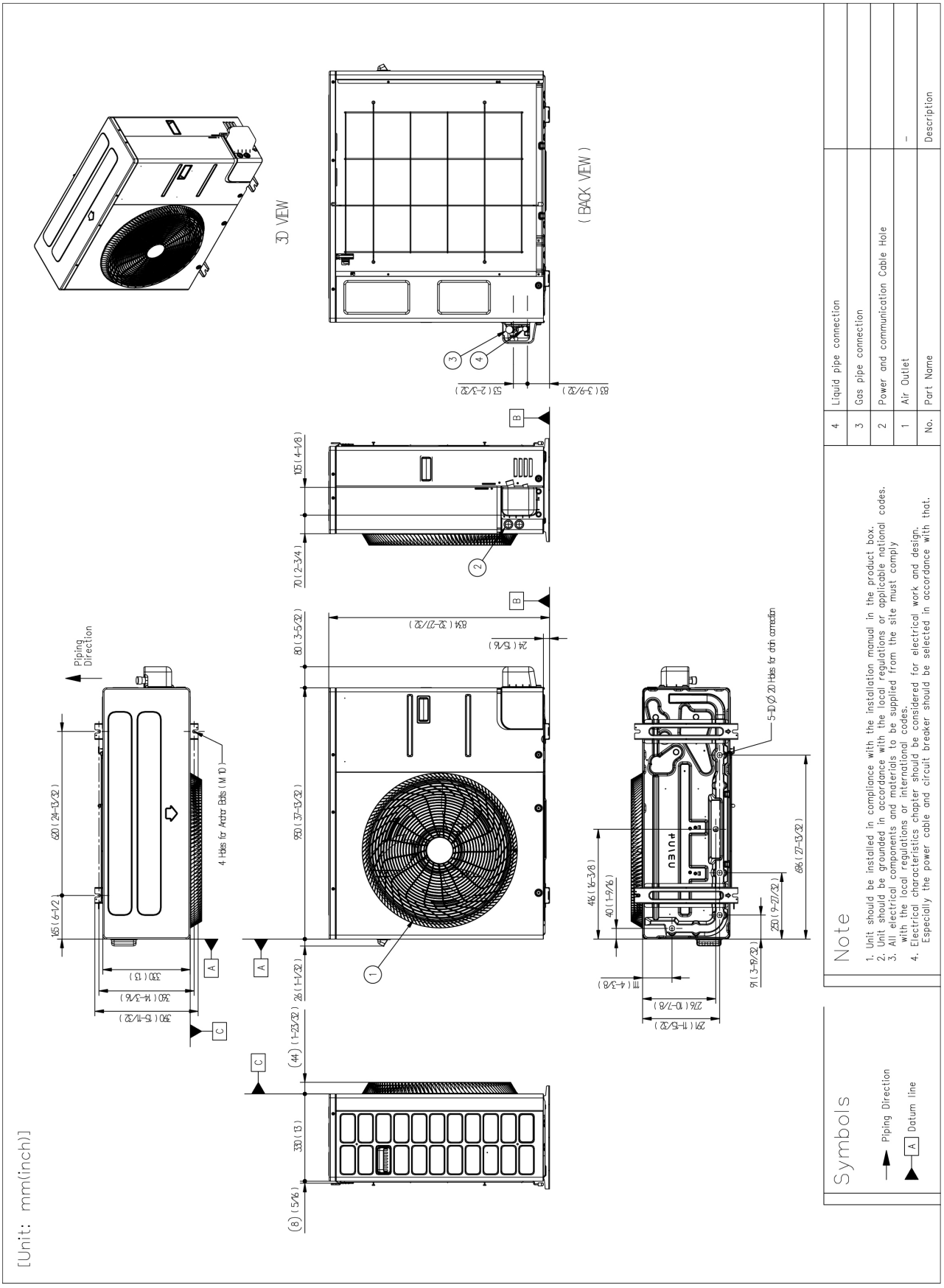

No.	Description
4	Liquid pipe connection
3	Gas pipe connection
2	Power and communication Cable Hole
1	Air Outlet

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.
4. Electrical characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

Symbols

Piping Direction

A Datum line

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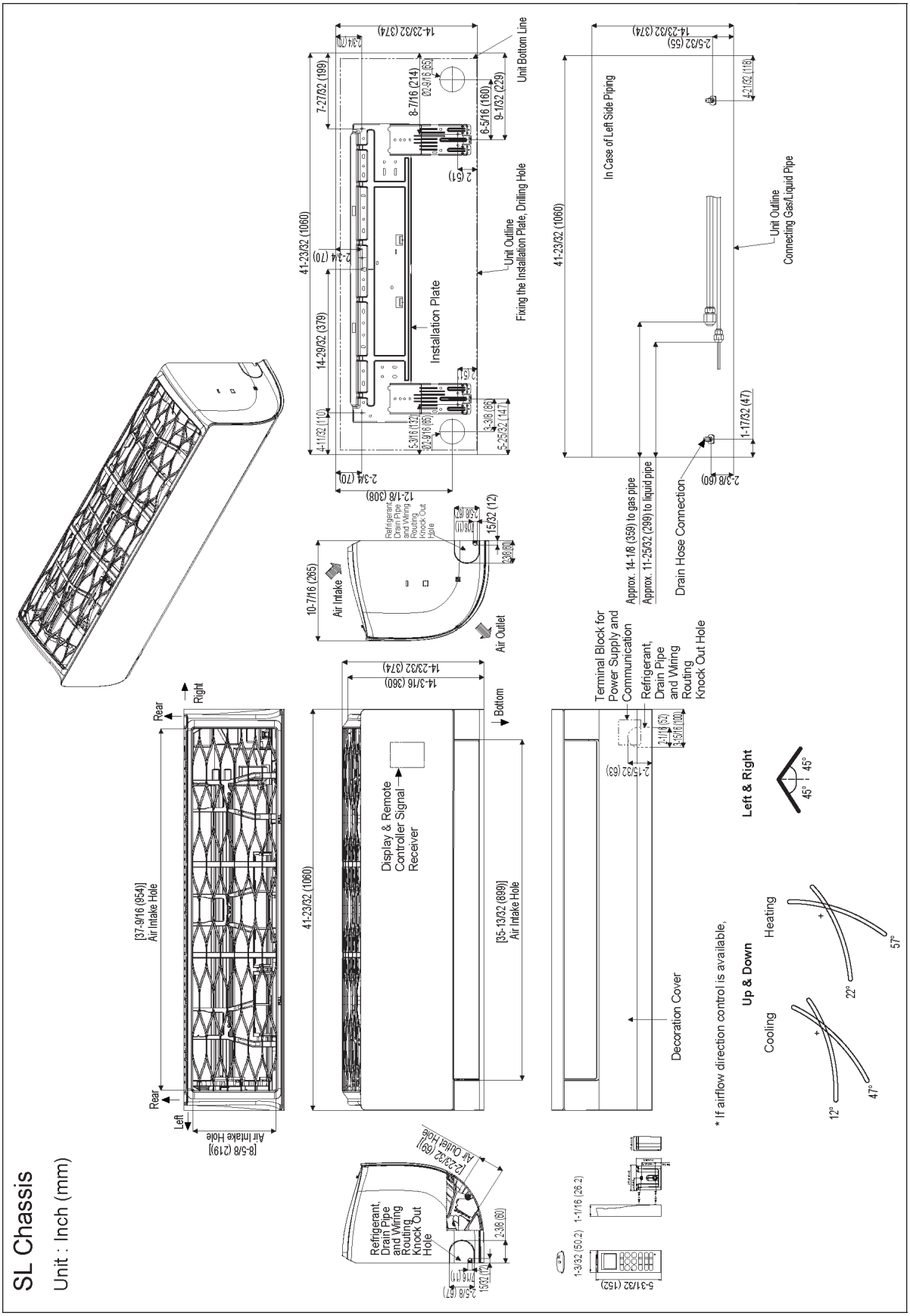

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