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

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

PO No.:

Architect: **GC:**

Engr: **Mech:**

Rep:
(Company) (Project Manager)





KSSAL181A
R32 Single Zone Art Cool Premier Wall Mounted
Outdoor Unit (ODU) - KUSAL181A, Indoor Unit (IDU) - KNSAL181A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	3,070 ~ 18,000 ~ 28,000
SEER2	24.0
EER2	14.4

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	3,070 ~ 21,600 ~ 27,400
HSPF2	11.0
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)	0.4
Cooling Power Input (Min~Rated~Max, kW)	0.40 ~ 1.25 ~ 2.65
Heating Power Input (Min~Rated~Max, kW)	0.66 ~ 1.54 ~ 2.83
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
☐ Single-Port Shutoff Valve - PRHPZ010A
☐ Low Ambient Wind Baffle (Cooling to 0°F) - ZLABGP04A

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Simple Remote 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.)	4.23

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.

BACnet® is a registered trademark of ASHRAE. LonWorks® is a trademark of Echelon Corporation.

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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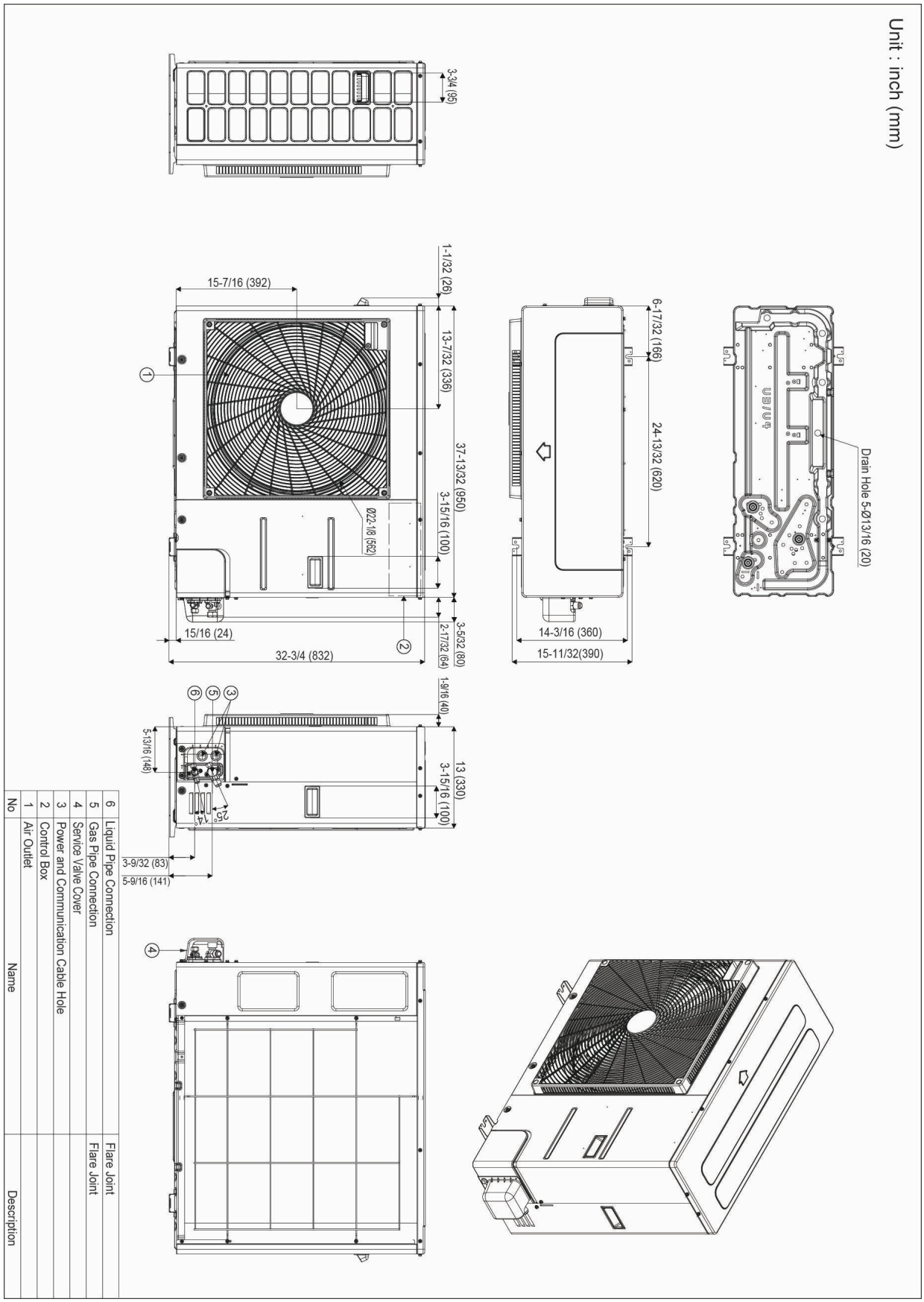
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No	Name	Description
1	Air Outlet	
2	Control Box	
3	Power and Communication Cable Hole	
4	Service Valve Cover	
5	Gas Pipe Connection	Flare Joint
6	Liquid Pipe Connection	Flare Joint

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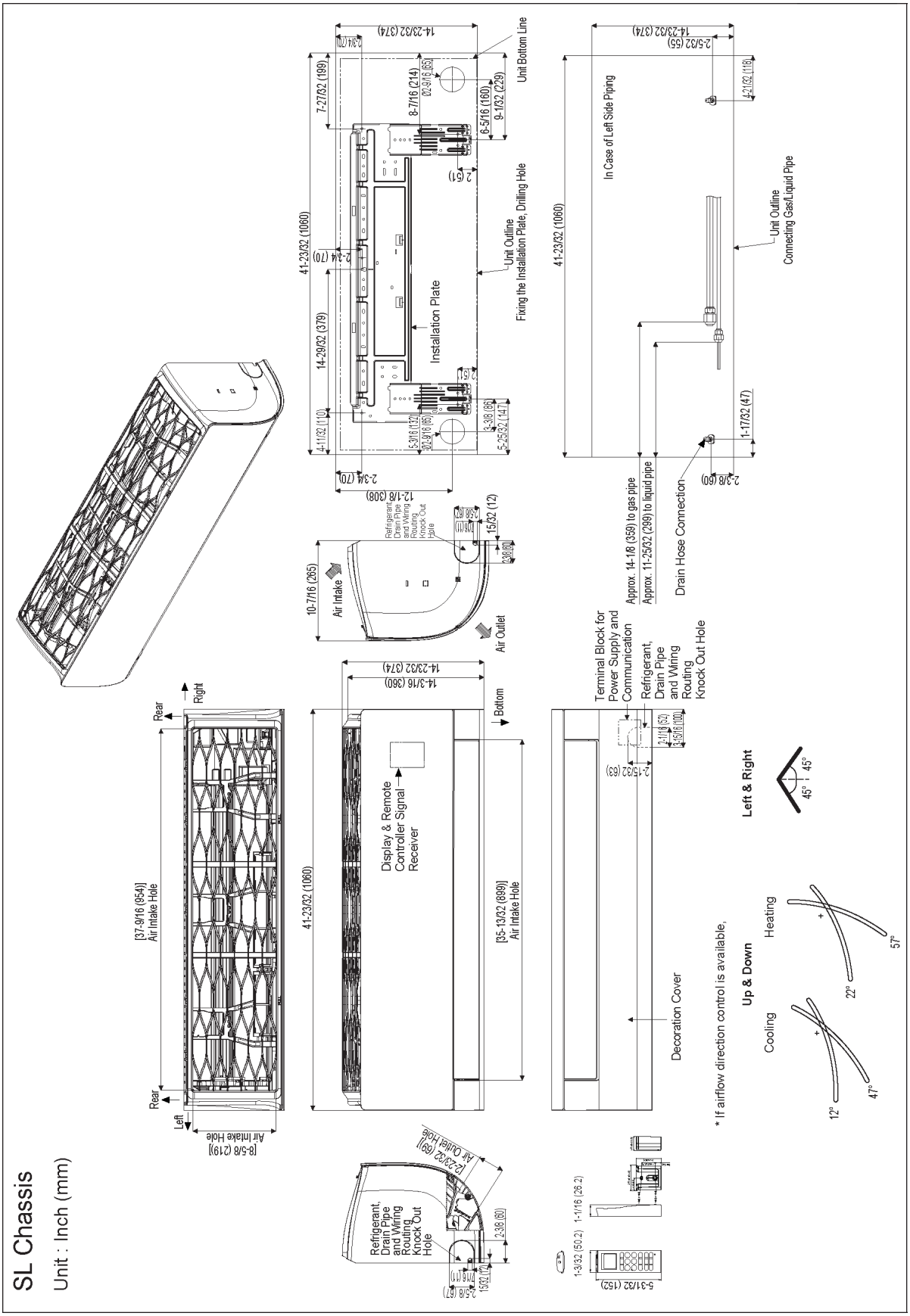
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