Job Name/Location: Tag No.:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSAL091A
R32 Single-Zone Art Cool™ Deluxe
Outdoor Unit (ODU) - KUSAL091A, Indoor Unit (IDU) - KNSAL091A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,070~9,000~13,000
SEER2	27.0
EER2	15.8

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	3,070~11,000~16,500
HSPF2	13.5
Max. Heating @ Indoor 70°F DB	
Outdoor 19°F DB / 17°F WB	13,730 (125%)
Outdoor 6°F DB / 5°F WB	12.000 (109%)
Outdoor -3°F DB / -4°F WB	11.400 (104%)
Outdoor -12°F DB / -13°F WB	11.000 (100%)
Outdoor -30°F DB/ -31°F WB	7,700 (70%)

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)	20.0
MCA (A)	15.0
Cooling Rated Amps (A)	10.4
Heating Rated Amps (A)	10.4
Compressor (A)	10.0
Fan Motor (IDU + ODU) (A)	0.4 + 0.4
Cooling Power Input (kW) (Min~Rated~Max @95°F) (kW)	0.200~0.570~1.500
Heating Power Input (kW) (Min~Rated~Max @47°F) (kW)	0.190~0.724~1.600

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	1/4 Flare
Vapor Line (in., O.D.)	3/8 Flare
Additional Refrigerant (oz./ft.)	0.16
Min. / Max. Pipe Length (ft.)²	9.8 / 65.6
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	39.4

Features:

- Dual Vane / 4-Way Auto Swing
- Cooling Only / Heating Only
- Auto Restart / Auto Changeover
- Humidity Sensor / Control
- Jet Cool / Jet Heat
- Inverter (Variable Speed Compressor)
- Human Detection
- Smart Diagnosis
- Built-in Base Pan Heater
- Built-in Wi-Fi via Smart ThinQ app
- Low ambient cooling down to 14°F (0°F with Wind Baffle Kit)

Included Accessories:

☐ Wireless Remote Controller — AKB76044813

Optional Accessories:

☐ Low Ambient Wind Baffle (Cooling operation to 0°F) - ZLABGP03A

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Standard III Remote Controllers
☐ Deluxe Remote Controllers
☐ Dry Contacts
☐ PI-485
☐ AC Smart 5 Central Controller
☐ MultiSITE Communication Mgr.
☐ LonWorks® Gateway
☐ ACP 5 BACnet® Gateway

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

Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	-31 ~ +65

Indoor Unit:

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

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	2.54
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])³	48 / 50
IDU Sound Pressure	
Cooling (H/M/L/SL) (±1 dB[A])³	42 / 35 / 27 / 21
Heating (H/M/L) (±1 dB[A])³	42 / 35 / 27
ODU Net / Shipping Weight (lbs.)	99.2 / 109.1
IDU Net / Shipping Weight (lbs.)	24.3 / 28.7
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
ODU Max. Air Flow Rate (CFM)	1,730
IDU Air Flow	
Cooling, Max/H/M/L (CFM)	494 / 424 / 318 / 219
Heating, Max/H/M/L (CFM)	515 / 424 / 318 / 219
Dehumidification (pts./hr.)	3.17

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.

ENERGY STAR

ENERGY STAR COLD CLIMATE

C US

AHRI CERTIFIED® www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

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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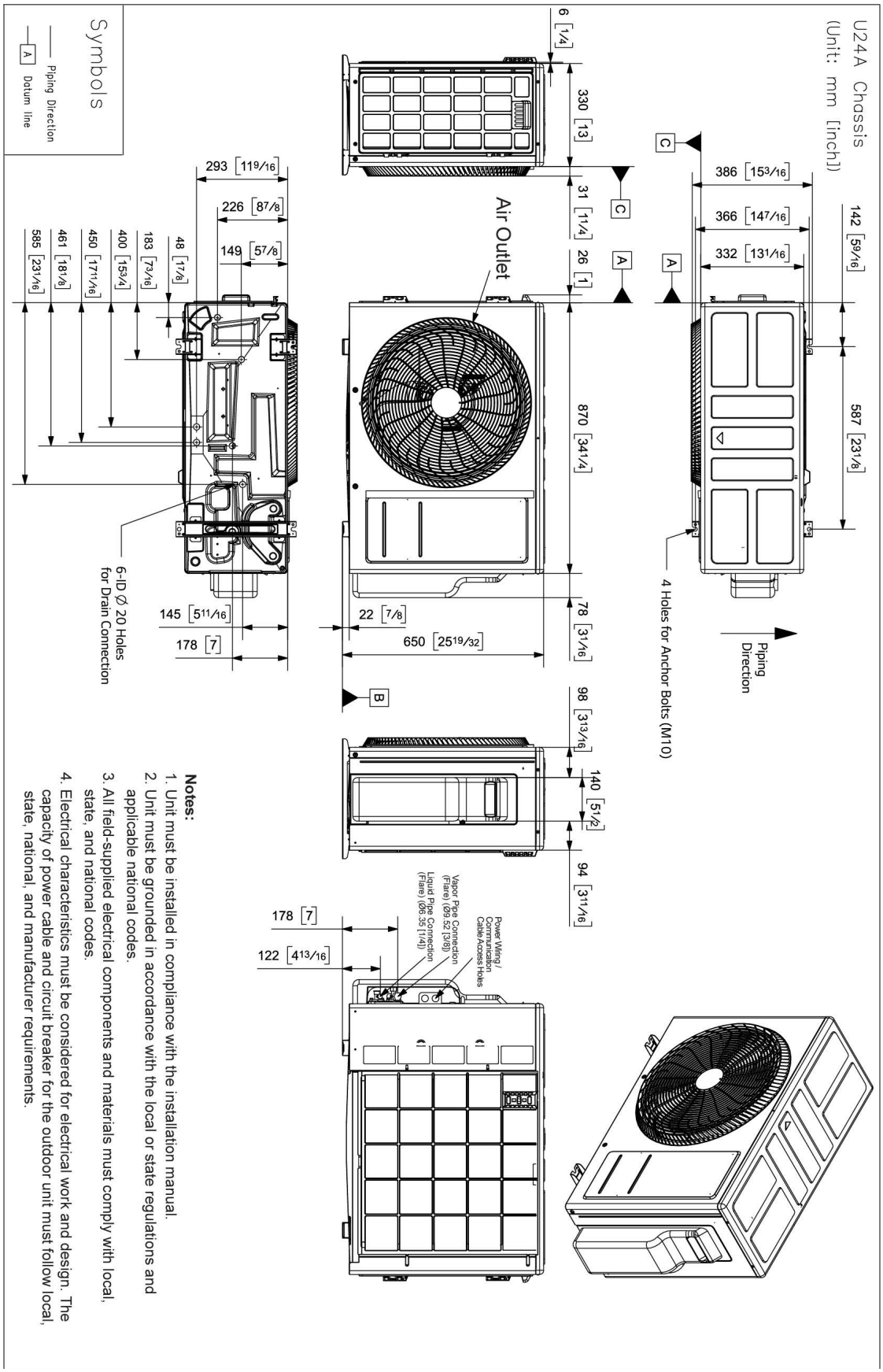

Notes:

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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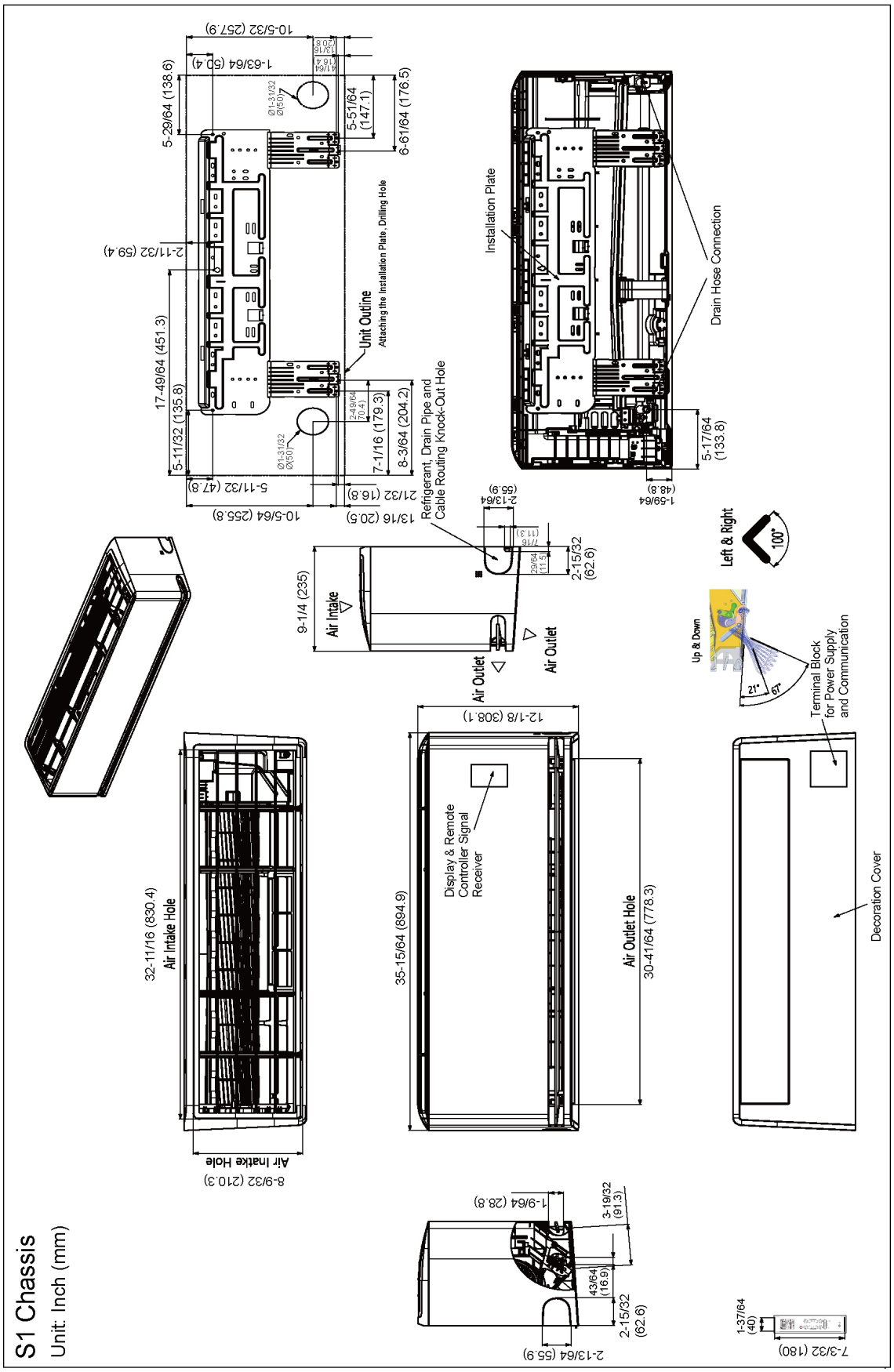

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