

Job Name/Location:

Tag No.:

Date:

For: File Resubmit

PO No.:

Approval Other

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 (V/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 refriger., 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
- Simple Remote Controller
- Standard III Remote Controllers
- Deluxe Remote Controllers
- Remote Temperature Button Sensor
- 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.

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

For continual product development, LG reserves the right to change specifications without notice.

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**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.



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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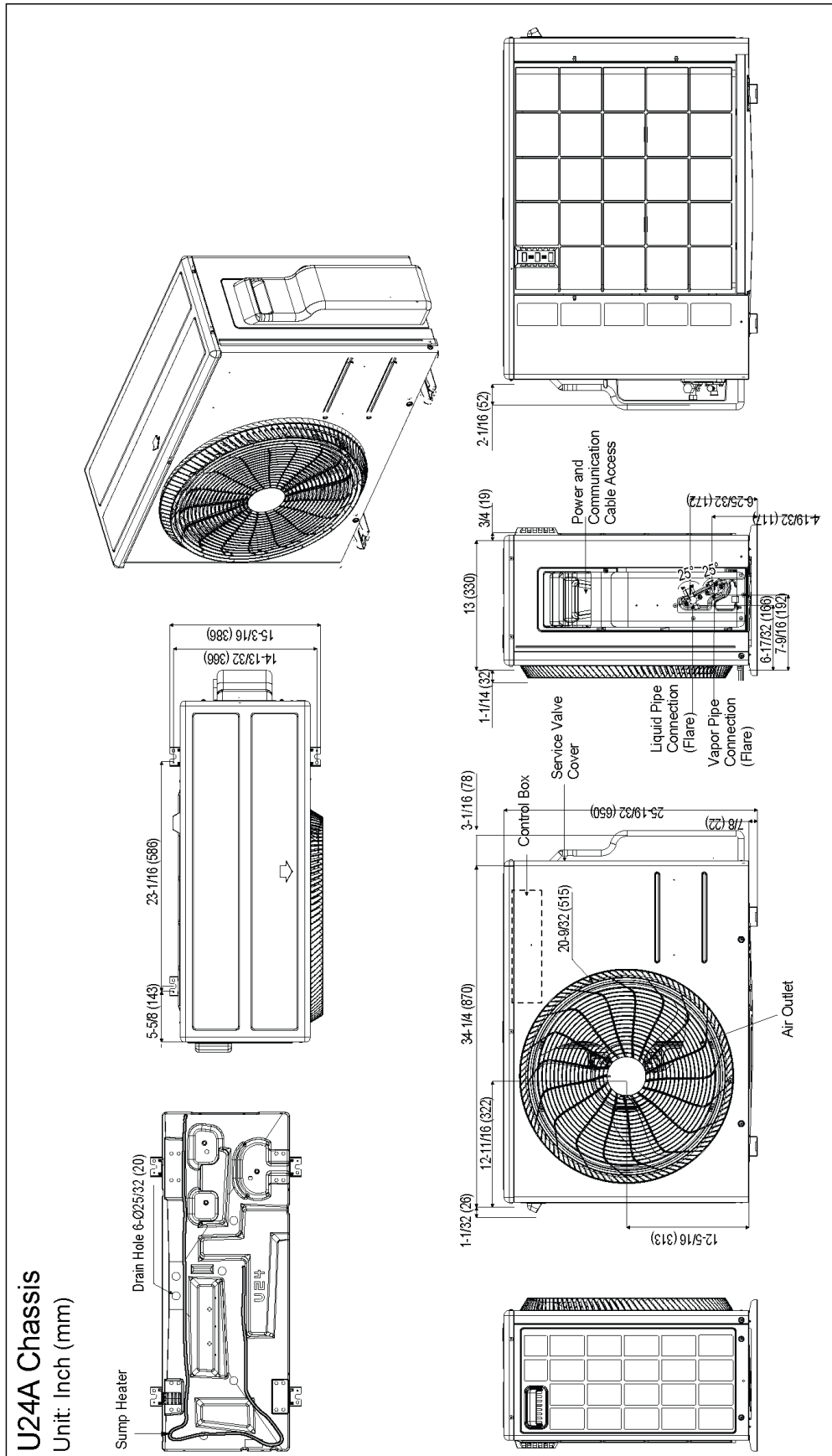


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