Job Name/Location: Tag No.:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)





KSSAP301A

R32 Single-Zone Extended Piping Wall Mount

Outdoor Unit (ODU) - KUSAP301A, Indoor Unit (IDU) - KNSAP301A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,070~30,000~32,000
SEER2	21.0
EER2	11.3

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	3,070~32,400~36,500
HSPF2	8.5
Max. Heating @ Indoor 70°F DB	
Outdoor 19°F DB / 17°F WB	27,500 (85%)
Outdoor 6°F DB / 5°F WB	24,000 (74%)
Outdoor 1°F DB / 0°F WB	21,500 (66%)
Outdoor -3°F DB / -4°F WB	20,030 (62%)

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)	30.0
MCA (A)	23.0
Cooling Rated Amps (A)	12.00
Heating Rated Amps (A)	11.80
Compressor (A)	15.1
Fan Motor (IDU + ODU) (A)	0.5 + 0.4
Cooling Power Input (kW) (Min~Rated~Max @95°F) (kW)	0.500~2.654~3.600
Heating Power Input (kW) (Min~Rated~Max @47°F) (kW)	0.660~2.592~4.100

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:

- 24-Hour On / Off Timer
- 4-Way Auto Swing
- Auto Restart / Auto Changeover
- Jet Cool / Jet Heat
- Inverter (Variable Speed Compressor)
- Smart Diagnosis
- Washable Filter
- Self-Cleaning Indoor Coil
- 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 — AKB76044208

Optional Accessories:

☐ Single-Port Shutoff Valve - PRHPZ010A
☐ Low Ambient Wind Baffle (Cooling operation to 0°F) - ZLABGP04A

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Simple Remote Controller
☐ Standard III 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.

Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	-4 ~ +65

Indoor Unit:

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

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	4.406
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])[3]	55 / 58
IDU Sound Pressure	
Cooling (H/M/L/Sleep) (±1 dB[A])[3]	51 / 47 / 43 / 33
Heating (H/M/L) (±1 dB[A])[3]	51 / 47 / 43
ODU Net / Shipping Weight (lbs.)	147.9 / 160.3
IDU Net / Shipping Weight (lbs.)	40.8 / 48.9
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)	2295
IDU Air Flow	
Cooling, Max/H/M/L (CFM)	1,095 / 883 / 742 / 601
Heating, Max/H/M/L (CFM)	1.166 / 954 / 813 / 671
Dehumidification (pts./hr.)	5.49

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.

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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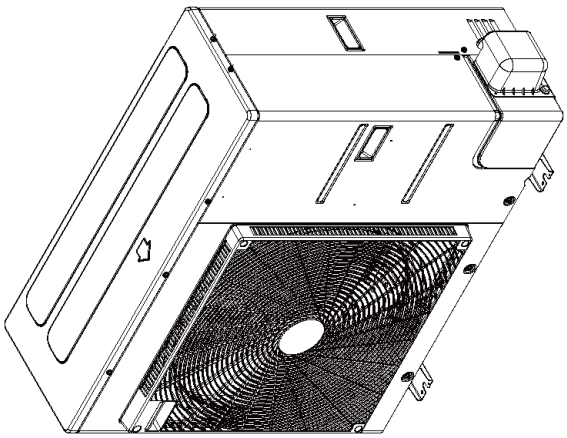
R32 Single-Zone Extended Piping Wall Mount

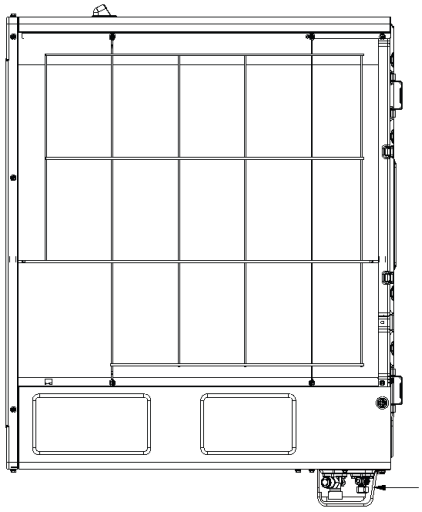
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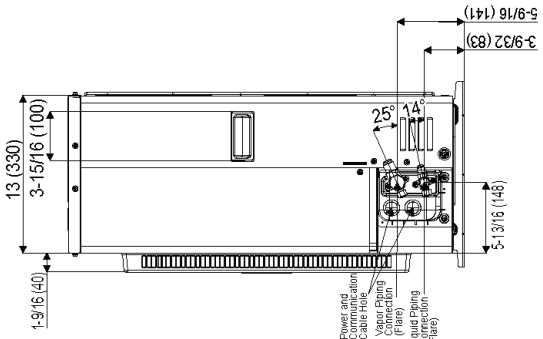
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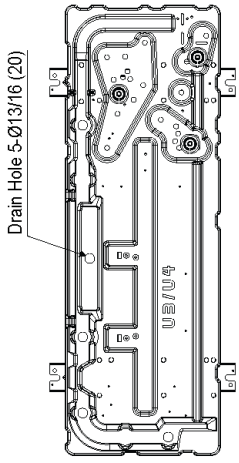
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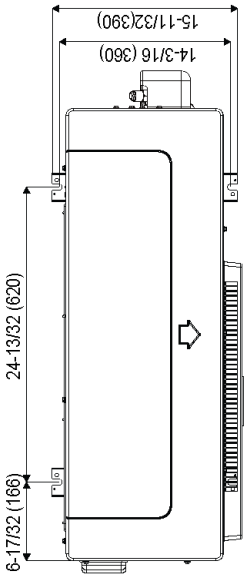
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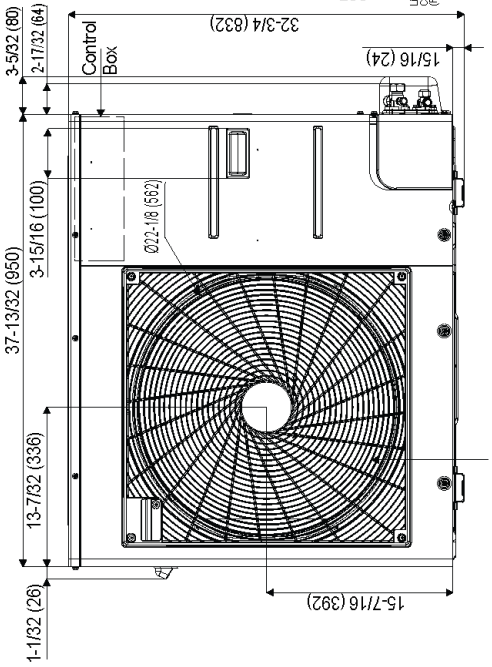


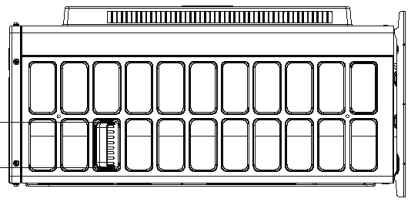












U36A Chassis

Unit: Inch (mm)

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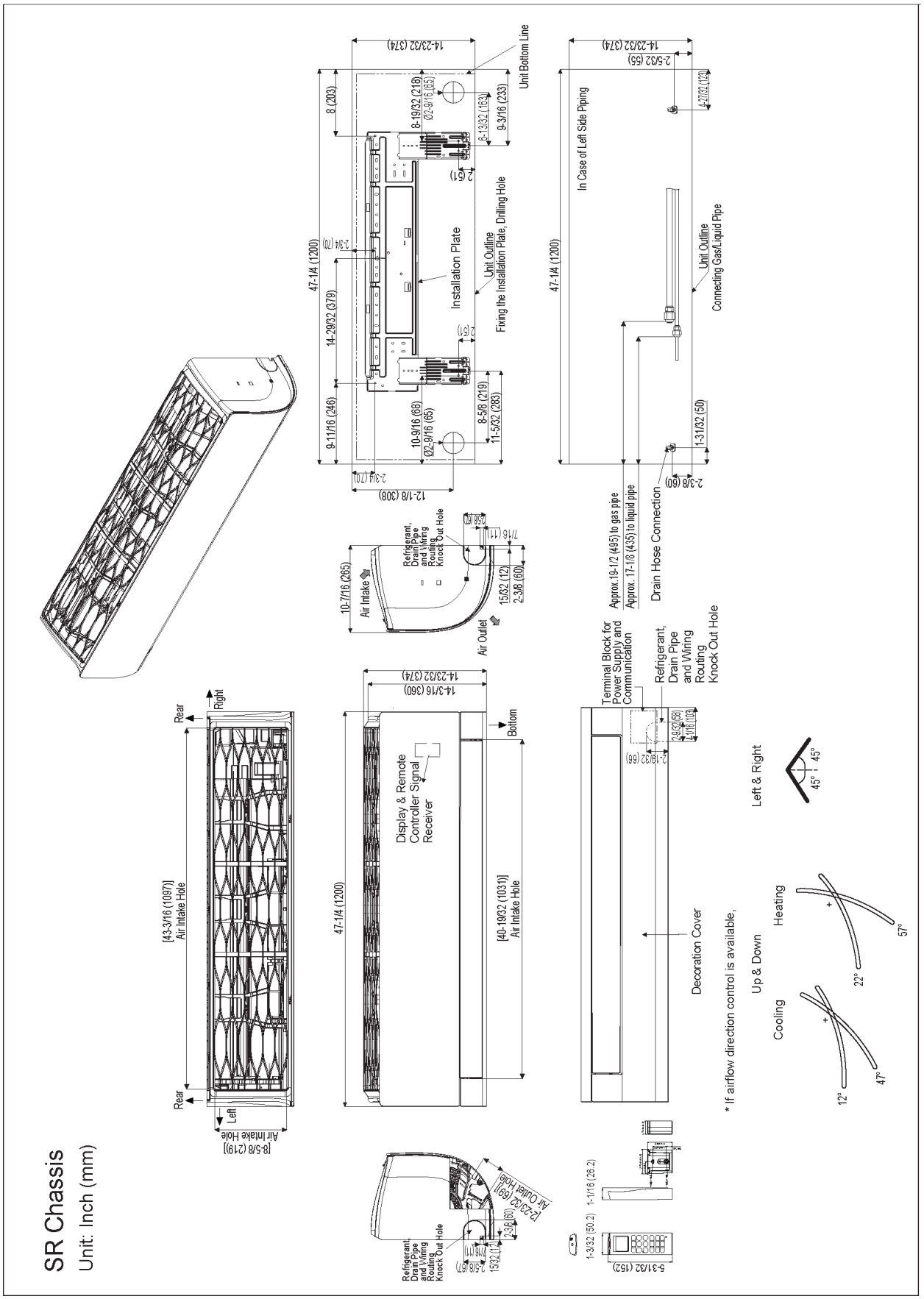
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