Job Name/Location: Tag No.:

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

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)

KSSAC181A

R32 Single Zone Mega Wall Mount

Outdoor Unit (ODU) - KUSAC181A, Indoor Unit (IDU) - KNSAC181A

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max) (Btu/h)	3,685 ~ 18,000 ~ 19,600
SEER2	21.0
EER2	12.5

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	3,685 ~ 19,000 ~ 23,000
HSPF2	9.4
Max. Heating @ Indoor 70°F DB	
Outdoor 19°F DB / 17°F WB	15,800
Outdoor 6°F DB / 5°F WB	13,300

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
MCA (A)	15
Cooling Rated Amps (A)	10.1
Heating Rated Amps (A)	10.6
Compressor (A)	10.0
Fan Motor (IDU + ODU) (A)	0.4 + 0.6
Cooling Power Input (kW) (Min~Rated~Max @95°F) (kW)	0.238 ~ 1.44 ~ 2.1
Heating Power Input (kW) (Min~Rated~Max @47°F) (kW)	0.238 ~ 1.5 ~ 2.35

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	1/4
Vapor Line (in., O.D.)	1/2
Additional Refrigerant (oz./ft.)	0.22
Min. / Max. Pipe Length (ft.)²	9.8 / 65.6
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	32.8

Features:

- 24-Hour on/off timer
- Two-way (up / down) auto swing
- Auto changeover
- Auto restart
- Jet cool/Jet heat
- Smart Care
- Smart Diagnosis
- Built-in Wi-Fi via ThinQ™ app
- Inverter (variable speed compressor)
- Self-cleaning indoor coil
- Sleep mode
- Ultra-quiet operation

Included Accessories:

- Wireless Remote Controller — AKB76044207

Controller Options:

☐ MultiSITE™ CRC* Controllers
☐ Simple Remote Controllers
☐ Standard III Remote Controllers
☐ Deluxe Remote Controller
☐ Dry Contacts

Operating Range:

Outdoor Unit:

Cooling (°F DB)	14 ~ 118
Heating (°F WB)	5 ~ 65

Indoor Unit:

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

System Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Refrigerant Charge - lbs	2.43
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])³	55 / 55
IDU Sound Pressure	
Cooling (H/M/L/Sleep) (±1 dB[A])³	48 / 43 / 38 / 32
Heating (H/M/L) (±1 dB[A])³	48 / 43 / 38
ODU Net / Shipping Weight (lbs.)	92.6 / 102.5
IDU Net / Shipping Weight (lbs.)	26 / 30
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)	689 / 512 / 459 / 371
Heating, Max/H/M/L (CFM)	653 / 565 / 477 / 388
Dehumidification (pts./hr.)	3.38

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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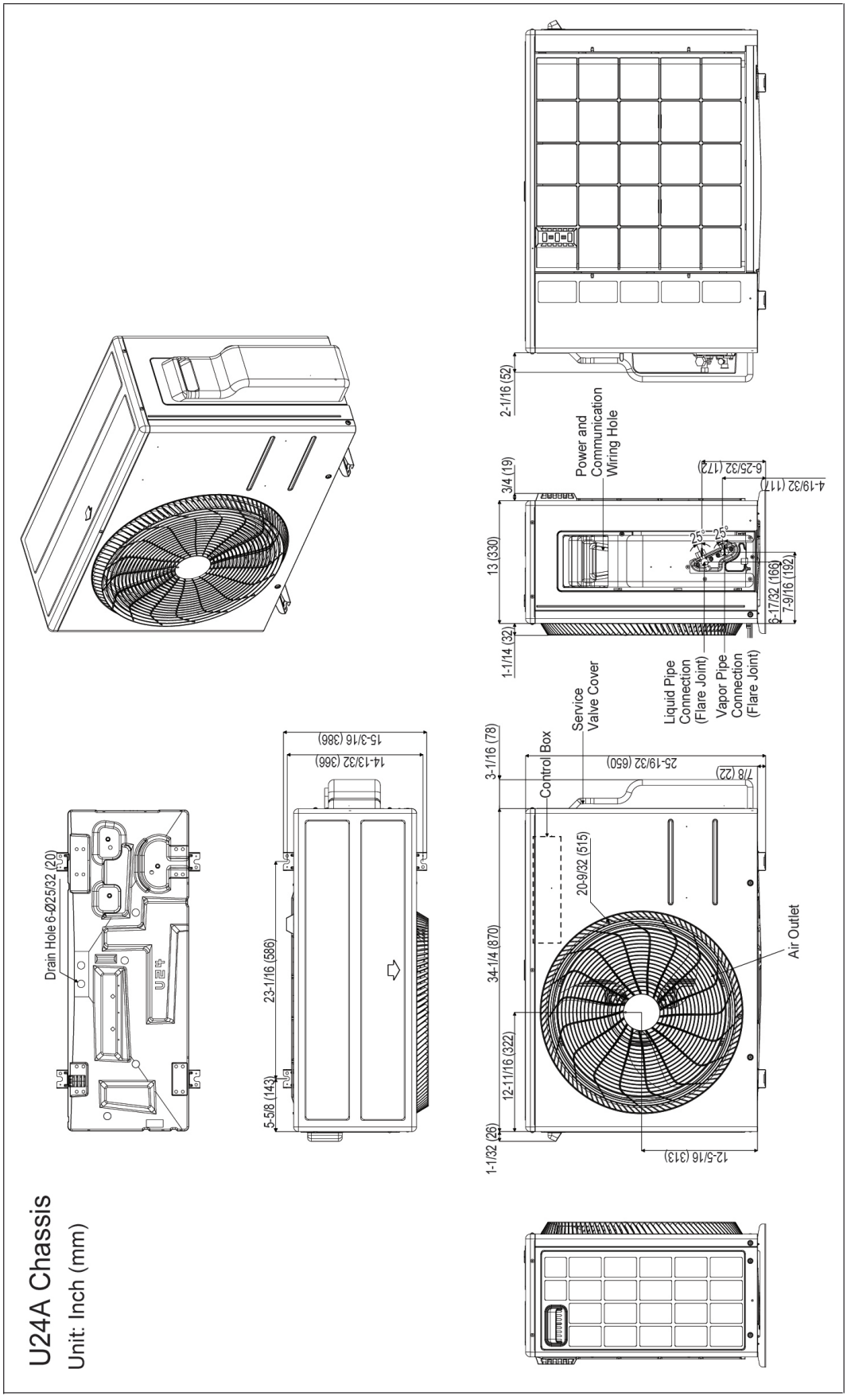

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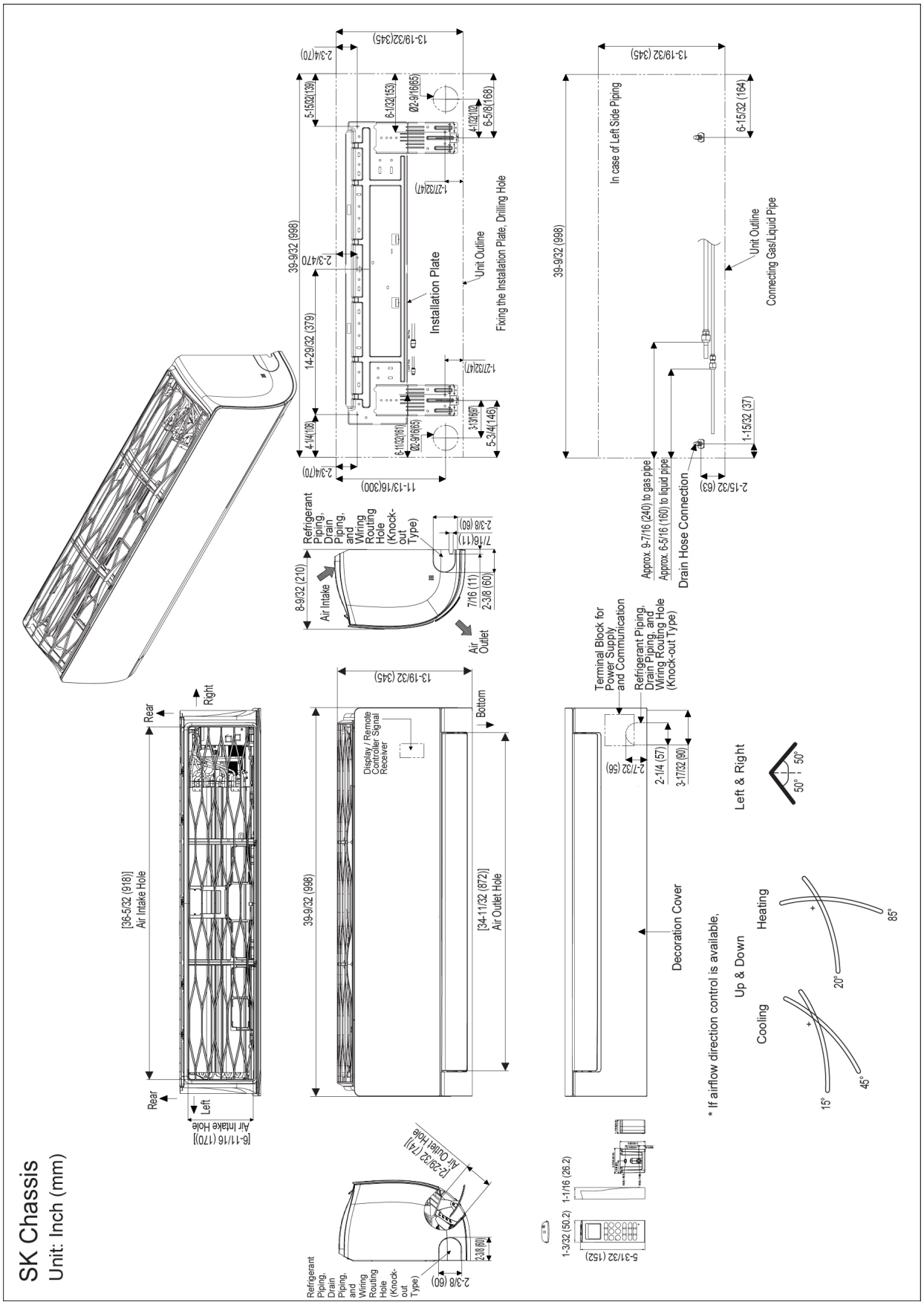

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