Job Name/Location: Tag No.:

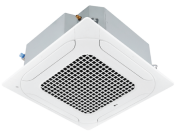
Date: For: ☐ File ☐ Resubmit ☐ Approval ☐ Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:
(Company) (Project Manager)



LC429HHV

Single-Zone 3x3 Four-Way Ceiling Cassette with LGRED°

Outdoor Unit (ODU) - LUU420HHV, Indoor Unit (IDU) - LCN429HV

LG Life's Good

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	16,800~42,000~49,000
SEER2	19.50
EER2	12.80

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	18,000~48,000~57,600
HSPF2	10.75
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	50,700
Outdoor 5°F WB	40,000
Outdoor -4°F WB	42,970
Outdoor -13°F WB	35,990

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)	40
MCA (A)	32
Cooling / Heating Rated Amps (A)	14.6 / 15.1
Compressor (A)	22
Fan Motor (IDU + ODU) (A)	1.3 + (1.6 x 2)
Cooling Power Input (Min~Rated~Max, kW)	0.93~3.28~5.50
Heating Power Input (Min~Rated~Max, kW)	1.17~3.41~5.80
Locked Rotor Amps (A)	33

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

Piping:

Installed Liquid Pipe (in., O.D.)	3/8 Flare
Installed Vapor Pipe (in., O.D.)	5/8 Flare
IDU Liquid Connection (in., O.D.)	3/8 Flare
IDU Vapor Connection (in., O.D.)	5/8 Flare
Additional Refrigerant (oz./ft.)	0.43
Min. / Max. Pipe Length (ft.)[2]	16.4 / 246
Piping Length (no add'l refrig., ft.)	24.9
Max. Elevation (ft.)	98.4

Features:

- Inverter (Variable Speed Compressor)
- Internal Condensate Pump
- Jet Cool / Jet Heat
- Auto Restart
- Auto Changeover
- Ultra-quiet Turbo Fan
- Night Quiet Function
- Optional Wi-Fi Control
- Drain Pan Heater
- Swirl Wind
- Direct / Indirect Wind
- Smart Mode
- Refresh Mode

Included Accessories:

- Wireless Remote Controller - AKB75735404

Required Accessories:

☐ Grille Kit - PT-AAGW0

Optional Accessories:

☐ Premium Panel (incl. Panel PT-AFGW0 + Air Purif. Kit PTAHMP0)-PT-AFGW0S
☐ Auto Elevation Kit-PTEGM0
☐ Decorative Cover-PTDCA
☐ Ventilation Kit + Flange[3]-PTVK410 + PTVK420
☐ Flange[3]-PTVK430
☐ MultiSITE™ CRC* Controller-PREMTBVC2/C3/C4
☐ Simple Remote Controller-PREMTC00U
☐ Standard III Remote Controller (White / Black)-PREMTB100 / PREMTBB10
☐ Remote Temperature Button Sensor-ZRTBS01
☐ Dry Contacts - PDRYCB100/320/400
☐ AC Smart 5 Central Controller-PACS5A000
☐ LonWorks® Gateway-ZHWLONWK0
☐ MultiSITE Comm. Mgr.-PBACNBTR0A
☐ PI-485-PMNFP14A1
☐ ACP 5 BACnet Gateway-PACP5A000
☐ AHU Comm. Kit-PAHCMR000
☐ Auxillary Heater Kit[5]-PRARH1
☐ Wi-Fi Module-PWFMDD200
☐ Drain Pan Heater-PQSH1200
☐ Low Ambient Wind Baffle (Cooling operation to -4°F)-ZLABGP04A Requires 2

Operating Range:

Outdoor Unit:

Cooling (°F DB)	5 ~ 118
Heating (°F WB)	-13 ~ +64

Indoor Unit:

Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	9.26
ODU Sound Pressure (Cooling / Heating) (±1 dB[A])[3]	54 / 56
IDU Sound Pressure (H/M/L/SL) (±1 dB[A])[3]	46 / 43 / 41 / 39
ODU Net / Shipping Weight (lbs.)	210.9 / 234.1
IDU Net / Shipping Weight (lbs.)	59.5 / 70.5
Grille Net Weight (lbs.)	15.6
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Turbo
Fan Speeds (Fan/Cool/Heat)	4 / 5 / 5
Quantity (ODU + IDU)	2 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
Maximum ODU Air Volume (CFM)	4,238
IDU Air Flow (CFM Max./H/M/L)	1,483 / 1,130 / 953 / 812
Dehumidification (pts./hr.)	7.27

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. This 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.
10. If the optional low ambient wind baffle (ZLABGP04A) is used, one wind baffle is required for each ODU fan.

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ENERGY STAR

ENERGY STAR COLD CLIMATE

LGRED°

162279 SA® 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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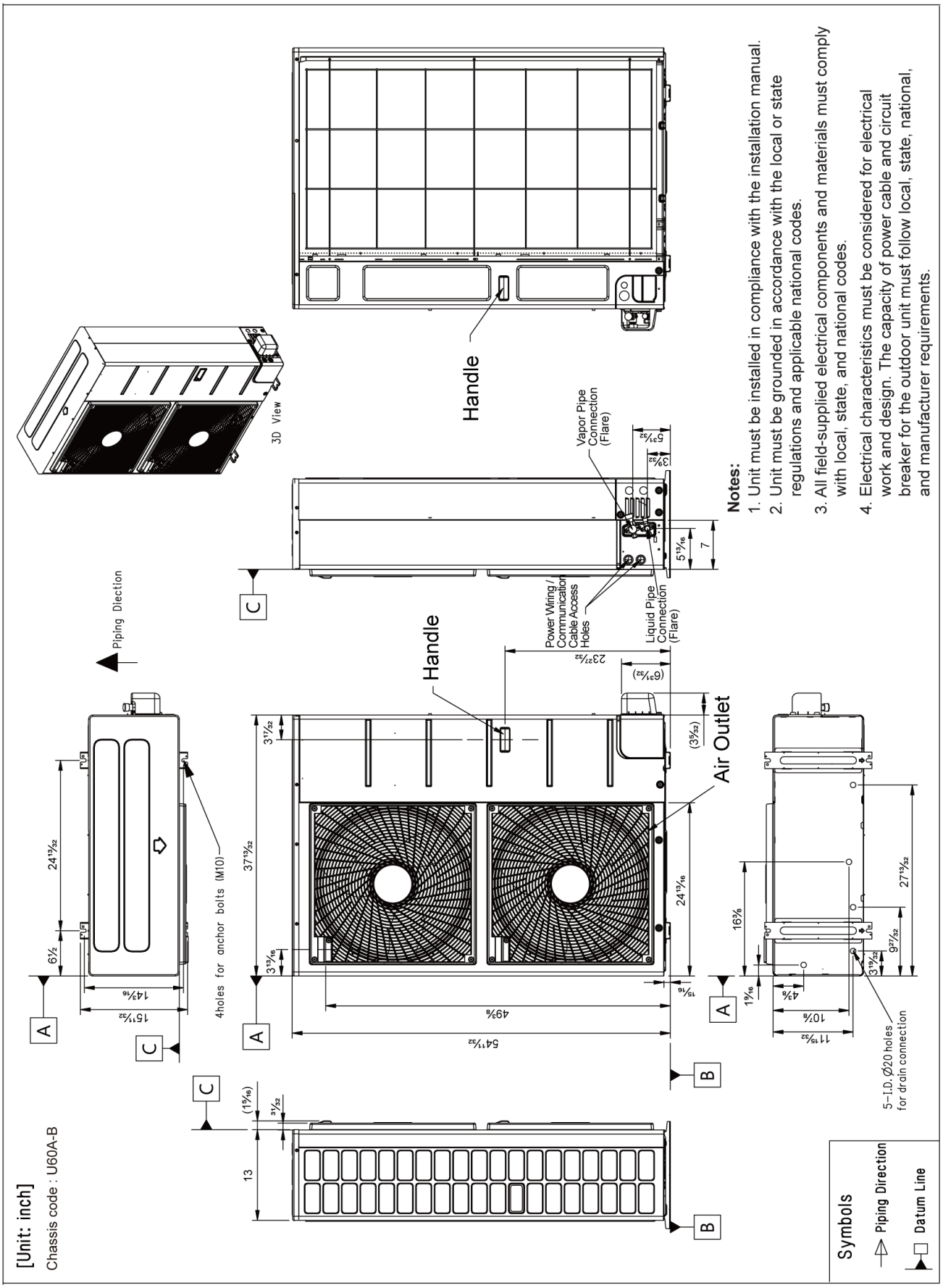

Notes:

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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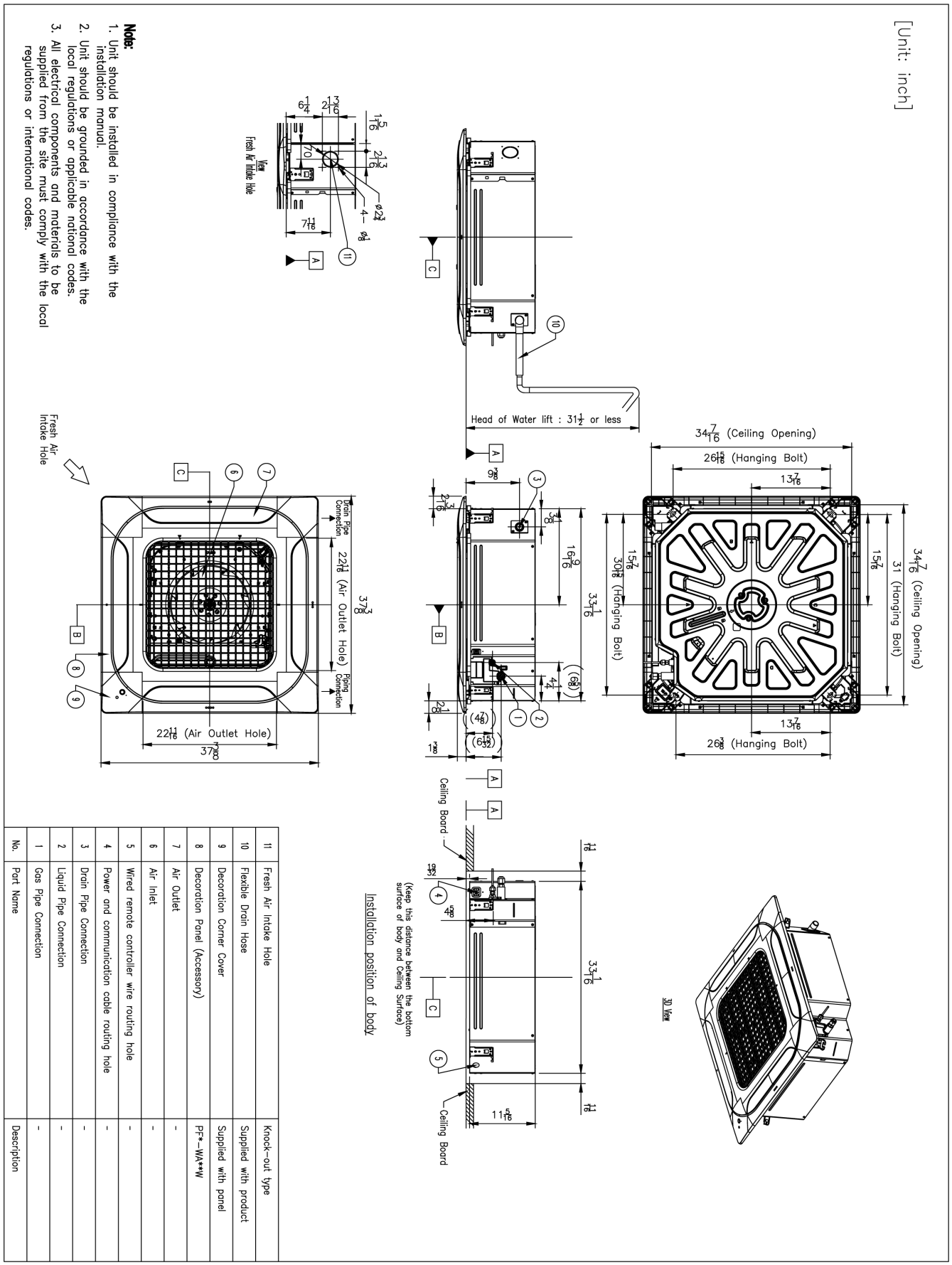

No.	Part Name	Description
1	Gas Pipe Connection	-
2	Liquid Pipe Connection	-
3	Drain Pipe Connection	-
4	Power and communication cable routing hole	-
5	Wired remote controller wire routing hole	-
6	Air Inlet	-
7	Air Outlet	-
8	Decoration Panel (Accessory)	PF*—WA**W
9	Decoration Corner Cover	Supplied with panel
10	Flexible Drain Hose	Supplied with product
11	Fresh Air Intake Hole	Knock-out type

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