Job I	Name/	Location	:
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PO No.:

Architect:

Engr:

Rep: (Company)

LC248HV Single Zone 3x3 Four-Way Ceiling Cassette

Outdoor Unit (ODU) - LUU249HV, Indoor Unit (IDU) - LCN248HV

Performance:

Cooling Capacity	
(Min~Rated~Max) (Btu/h)	9,600 ~ 24,000 ~ 28,000
SEER	20
EER	12.6
SEER - Seasonal Energy Efficiency Ratio	EER - Energy Efficiency Ratio
Heating:	
Heating Capacity	
(Min~Rated~Max) (Btu/h)	10,800 ~ 27,000 ~ 30,000
HSPF	10.5
Max. Heating @ Indoor 70°F DB	10.5
Outdoor 17°F DB	26,000
Outdoor 5°F DB	23,600
Outdoor -4°F DB	20,760

Electrical:

Power Supply (V ¹ /Hz/Ø)	208-230/60/1
MOP (A)	30
MCA (A)	20
Cooling Rated Amps (A)	15.7
Heating Rated Amps (A)	15.7
Compressor (A)	13.5
Fan Motor (IDU + ODU) (A)	0.6 + 1.6
Cooling Power Input (kW)	1.9
Heating Power Input (kW)	2.3
MOP - Maximum Overcurrent Protection	MCA - Minimum Circuit Ampacity

Piping:

3/8
5/8
0.43
6.6 / 164
24.6
98.4

Features:

- Inverter (Variable Speed Compressor)
 Internal Condensate Pump
 Swirl Wind
 Jet Cool
 Auto Changeover
 Ultra-quiet Turbo Fan
 Night Quiet Operation
 Optional Wi-Fi Control
- Auto Restart

Included Accessories:

Wireless Remote Controller - PQWRHQ0FDB

Required Accessories:

Grille Kit - PT-UMC1

Optional Accessories:

Simple Controller - PREMTCOOU Premium Controller - PREMTA000

- □ Premium Controller PREMTA00 □ MultiSITE™ CRC1 PREMTBVC0 Ventilation Kit + Flange³ - PTVK410

- PI-485 PMNFP14A1
 Dry Contact PDRYCB300
- LonWorks® Gateway PLNWKB100 AC Smart 5 BACnet® Gateway -
 - PACS5A000
- Without PQCA0 (Baffles only) Cooling to -4°F 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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PTVK420

Wi-FI Module - PWFMDD200 Base Pan Heater - PQSH1200

- PAG-HS6/PAG-HS7/PQCA0

Low Ambient Kit (Cooling operation to -40°F)



Resubmit

Other_

For:

GC:

Mech:

(Project Manager)

File

Approval





Operating Range:

Tag #:

Outdoor Unit:	
Cooling (°F DB)	5~118
Heating (°F WB)	-4 ~ +64
Indoor Unit:	
Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (Ibs.)	4.41
IDU Sound Pressure	
(H/M/L) (±1 dB[A]) ³	38 / 36 / 34
ODU Sound Pressure	
(Cooling / Heating) (±1 dB[A]) ³	48 / 52
ODU Net / Shipping Weight (lbs.)	130.0 / 143.3
IDU Net / Shipping Weight (lbs.)	47.2 / 57.3
Grille Net / Shipping Weight (lbs.)	14 / 21
Heat Exchanger Coating	GoldFin™

Fan:

ODUT	Dura alla a
ODU Type	Propeller
IDU Type	Cross Flow
Fan Speeds (Fan/Cool/Heat)	4/5/4
Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Flow Rate (CFM)	2,048
IDU Air Flow (CFM H/M/L)	600 / 530 / 459
Dehumidification (pts./hr.)	4.5

Notes:

1. Acceptable operating voltage: 187V-253V.

2. Piping lengths are equivalent.

 Piping lenguis are equivalent.
 S. Must comply with applicable codes for fire isolation dampers.
 Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
 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. 6. This unit comes with a dry helium charge. 7. 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

Power wiring cable size must comply with the applicable local and national code.
 Must follow installation instructions in the applicable LG installation manual.

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

ACP 5 BACnet Gateway - PACP5A000 Aux Heater Relay Kit- PRARHO RS3 Remote Controller - PREMTB100

Inverter





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LC248HV

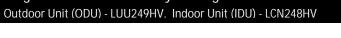
► Datum line

→ Piping Direction

Symbols

Single Zone 3x3 Four-Way Ceiling Cassette

Tag No.: Ĵ Date: Life's Good PO No.:



5-I.D. $otin \frac{25}{32}$ holes for drain connection

Unit: inch

9

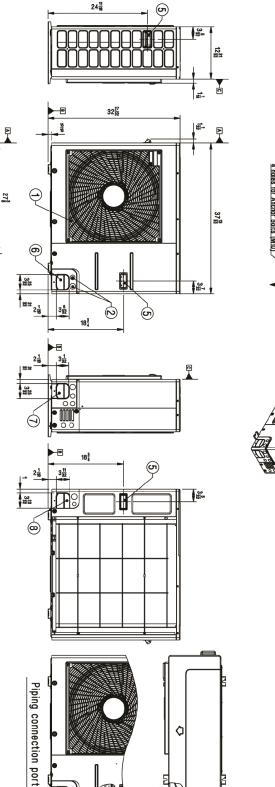
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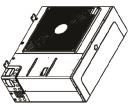
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14 3 13 ₽ 0 4 holes for Anchor Bolts (M10) 2432 ۵ ⊡-∢

15<u>11</u>

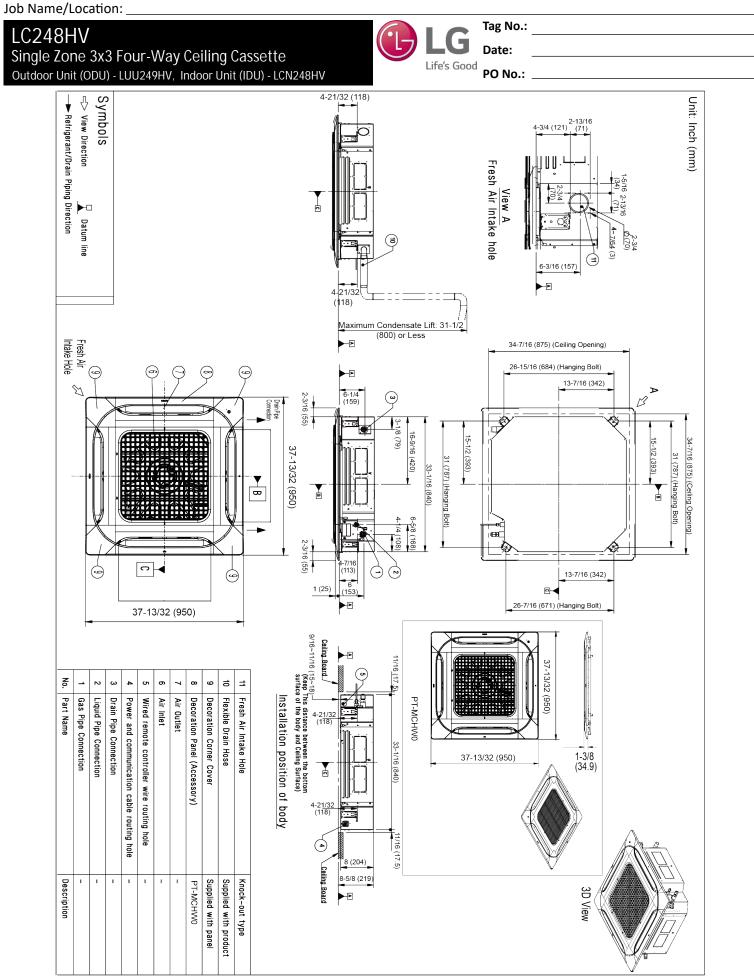


No.	-	2	3	4	5	6	7	8
Part Name	Air Outlet	Power and communication cable Hole	Gas Pipe Connection	Liquid Pipe Connection	Handle	Pipe routing hole (front)	Pipe routing hole (side)	Pipe routing hole (back)
Description	-	•	Flare joint	Flare joint	-	-	-	•

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1232

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