

Job Name/Location:

Tag #:

Date:

For: File Resubmit

PO No.:

Approval Other

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

LC188HV4**Ceiling Cassette Single Zone**

Outdoor Unit (ODU) - LUU189HV Indoor Unit (IDU) - LCN188HV4

Performance:**Cooling:**

Cooling Capacity (Min~Rated~Max) (Btu/h)	7,700 ~ 18,000 ~ 24,800
SEER2	20.50
EER2	12.50

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max) (Btu/h)	6,500 ~ 18,500 ~ 23,400
HSPF2	9.70
Max. Heating @ Indoor 70°F DB	
Outdoor 17°F DB	17000
Outdoor 5°F DB*	16200
Outdoor -4°F DB	15250

HSPF - Heating Seasonal Performance Factor

* The Capacities at 5°F does not refer to H42 testing conditions.

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
MOP (A)	30
MCA (A)	20
Cooling Rated Amps (A)	15.1
Heating Rated Amps (A)	15.1
Compressor (A)	13.5
Fan Motor (IDU + ODU) (A)	1.85
Cooling Power Input (kW)	1.44
Heating Power Input (kW)	1.95

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Liquid (in., O.D., Connection Size/Pipe Size)	1/4 / 3/8
Vapor (in., O.D., Connection Size/Pipe Size)	1/2 / 5/8
Additional Refrigerant (oz./ft.)	0.43
Max. Pipe Length (ft.) ²	164
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

Features:

- Inverter (Variable Speed Compressor)
- Internal Condensate Pump
- Swirl Wind
- Jet Cool
- IDU compatible with Multi F ODU's
- Auto Restart
- Auto Changeover
- Ultra-quiet Turbo Fan
- Optional Wi-Fi Control

Required Accessories:(sold separately)☐ Cassette Grille - PT-QCHW0 or PT-UQC**Optional Accessories:**

- ☐ MultiSITE™ CRC2 - PREMTBVC2
- ☐ Programmable Remote Controller - PREMTB100
- ☐ Delux Remote Controller - PREMTB200
- ☐ Dry Contact 3rd Party Thermostat - PDRYCB320
- ☐ Ventilation Kit³ - PTVK430
- ☐ Wi-Fi Module - PWFMD200
- ☐ AC Smart 5 - PACS5A000
- ☐ Low Ambient Kit -40°F cooling PQCA0, PAG-HS6/PAG-HS7 Wind Guards
- ☐ Without PQCA0 Cooling to 0°F

**Operating Range:****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 (lbs.)	3.75
IDU Sound Pressure (H/M/L) (±3 dB[A]) ³	41/39/36
ODU Sound Pressure Max. (Cooling / Heating) (±3 dB[A]) ³	48/52
ODU Net / Shipping Weight (lbs.)	127.8 / 140
IDU Net / Shipping Weight (lbs.)	31.5 / 40
Grille Net / Shipping Weight (lbs.)	7 / 9

Fan:

ODU Type	Propeller
IDU Type	Turbo
Fan Speeds (Fan/Cool/Heat)	4 / 5 / 4
Quantity (ODU + IDU)	(1 + 1)
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Flow Rate (CFM)	2048
IDU Air Flow (CFM H/M/L)	460 / 424 / 388
Dehumidification (pts./hr.)	3.3

Notes:

1. Acceptable operating voltage: 187V-253V.
2. Piping lengths are equivalent.
3. Must comply with applicable codes for fire isolation dampers.
4. Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
5. All communication/power cable to be minimum 18 American wire gauge (AWG), 4-conductor, stranded, shielded and must comply with applicable local and national code.
6. This unit comes with a dry helium charge.
7. Nominal data is rated 0 ft. above sea level, with 25 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.
8. Power wiring cable size must comply with the applicable local and national code.
9. Must follow installation instructions in the applicable LG installation manual.
10. Multi-compatible IDUs include socket adapters for refrigerant pipe connection with Single Zone systems.

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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