

Job Name/Location:

Tag #:

Date:

For:	File	Resubmit
	Approval	Other_____

PO No.:

Architect: _____ GC: _____

Engr: _____ Mech: _____

Rep: _____
(Company) (Project Manager)

LC188HV

Ceiling Cassette Single Zone

Indoor Unit (IDU) - LCN188HV4, Outdoor Unit (ODU) - LUU180HV

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	17,000
Outdoor 5°F DB	16,200
Outdoor -4°F DB	15,250

HSPF - Heating Seasonal Performance Factor

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 refriger., 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 ODUs
- Auto Restart
- Auto Changeover
- Ultra-quiet Turbo Fan
- Optional Wi-Fi Control

Included Accessories:

- Wireless Remote Controller — AKB73757604 (Also referenced by Model No. PQWRHQ0FDB)

Required Accessories:

- Panel (24-13/32" x 24-13/32") - PT-QAGW0

Optional Accessories:

- Ventilation Flange³ - PTVK430
- MultiSITE™ CRC* Controller - PREMTBVC2/C3/C4
- Simple Remote Controller - PREMT00U
- Standard III Remote Controller (White / Black) - PREMTB100 / PREMTBB10
- Deluxe Remote Controller - PREMTA201
- Remote Temperature Button Sensor - ZRTBS01
- Simple Dry Contact (1 contact, 24 VAC external power) - PDRYCB100
- Dry Contact for Third Party Thermostat - PDRYCB320
- Dry Contact for Economizer - PDRYCB400
- AHU Communication Kit - PAHCMR000
- Auxiliary Heater Kit⁵ - PRARH1
- Wi-Fi Module - PWFMD200
- Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP04A
- Drain Pan Heater - PQSH1200
- PI-485 for 18k Capacities - PMNFP14A1

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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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	43 / 41 / 38
ODU Sound Pressure Max. (Cooling / Heating) (±3 dB[A]) ³	48 / 52
ODU Net / Shipping Weight (lbs.)	130.1 / 147.7
IDU Net / Shipping Weight (lbs.)	32 / 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)	2.048
IDU Air Flow (CFM H/M/L)	459 / 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 / 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. 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.



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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.)



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