

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other

PO No.:

Architect: _____ GC: _____

Engr: _____ Mech: _____

Rep: _____
(Company) (Project Manager)



LC188HHV4

Single-Zone 2x2 Four-Way Ceiling Cassette with LGRED[®]

Outdoor Unit (ODU) - LUU180HHV, Indoor Unit (IDU) - LCN188HHV4



Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	7,200 ~ 18,000 ~ 24,800
SEER2	20.00
EER2	12.80

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	6,500 ~ 20,000 ~ 23,700
HSPF2	9.40
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	22,500
Outdoor 5°F WB	17,600
Outdoor -4°F WB	17,920
Outdoor -13°F WB	15,990

HSPF - Heating Seasonal Performance Factor Heating Nominal Test Conditions:
Cooling Nominal Test Conditions: Indoor: 70°F DB / 60°F WB
Indoor: 80°F DB / 67°F WB Outdoor: 47°F DB / 43°F WB
Outdoor: 95°F DB / 75°F WB

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
MOP (A)	30
MCA (A)	22
Cooling / Heating Rated Amps (A)	6.3 / 8.0
Compressor (A)	14.5
Fan Motor (IDU + ODU) (A)	0.6 + 1.6
Cooling Power Input (Min~Rated~Max, kW)	0.53~1.41~2.85
Heating Power Input (Min~Rated~Max, kW)	0.46~1.80~2.60
Locked Rotor Amps (A)	23

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.)	1/4 Flare
IDU Vapor Connection (in., O.D.)	1/2 Flare
Additional Refrigerant (oz./ft.)	0.43
Min. / Max. Pipe Length (ft.) ²	16.4 / 164
Piping Length (no add'l refriger., ft.)	24.9
Max. Elevation (ft.)	98.4

Features:

- Inverter (Variable Speed Compressor)
- Jet Cool
- Night Quiet Function
- Internal Condensate Pump
- Auto Restart
- Optional Wi-Fi Control
- Swirl Wind
- Auto Changeover
- IDU compatible with Multi F ODUs
- Drain pan heater
- Ultra-quiet Turbo Fan

Included Accessories:

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

Required Accessories:

- Grille Kit - PT-QAGW0

Optional Accessories:

- Ventilation Flange³ - PTVK430
- MultiSITE™ CRC* Controller - PREMTBVC2/C3/C4
- Simple Remote Controller - PREMTCO0U
- Standard III Remote Controller (White / Black) - PREMTB100 / BB10
- Remote Temperature Button Sensor - ZRTBS01
- Deluxe Remote Controller - PREMTA201
- Dry Contacts - PDRYCB100/320/400
- AHU Communication Kit - PAHCMR000
- Auxiliary Heater Kit⁵ - PRARH1
- Wi-Fi Module - PWFMD200
- Low Ambient Wind Baffle (Cooling operation to -4°F) - ZLABGP04A¹¹
- Drain Pan Heater - PQSH1200
- PI-485 - PMNFP14A1

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.
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)	-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.)	4.41
ODU Sound Pressure (Cooling / Heating) (±1 dB[A]) ³	51 / 52
IDU Sound Pressure (H/M/L/SL) (±1 dB[A]) ³	41 / 39 / 36 / 33
ODU Net / Shipping Weight (lbs.)	133.4 / 144.4
IDU Net / Shipping Weight (lbs.)	31.5 / 40
Grille Net Weight (lbs.)	7
Heat Exchanger Coating	GoldFin™

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
Maximum ODU Air Volume (CFM)	2,048
IDU Air Flow (CFM Max./H/M/L)	494 / 460 / 424 / 388
Dehumidification (pts./hr.)	4.28

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. Multi compatible 18k IDUs include socket adapters for refrigerant pipe connections with Single Zone systems.
11. If the optional low ambient wind baffle (ZLABGP04A) is used, one wind baffle is required for each ODU fan. BACnet[®] is a registered trademark of ASHRAE. LonWorks[®] is a trademark of Echelon Corporation.



LGRED[®]

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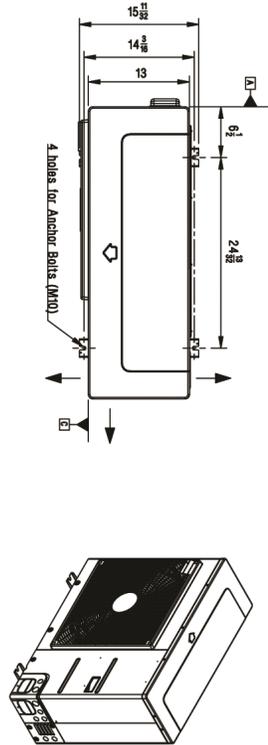
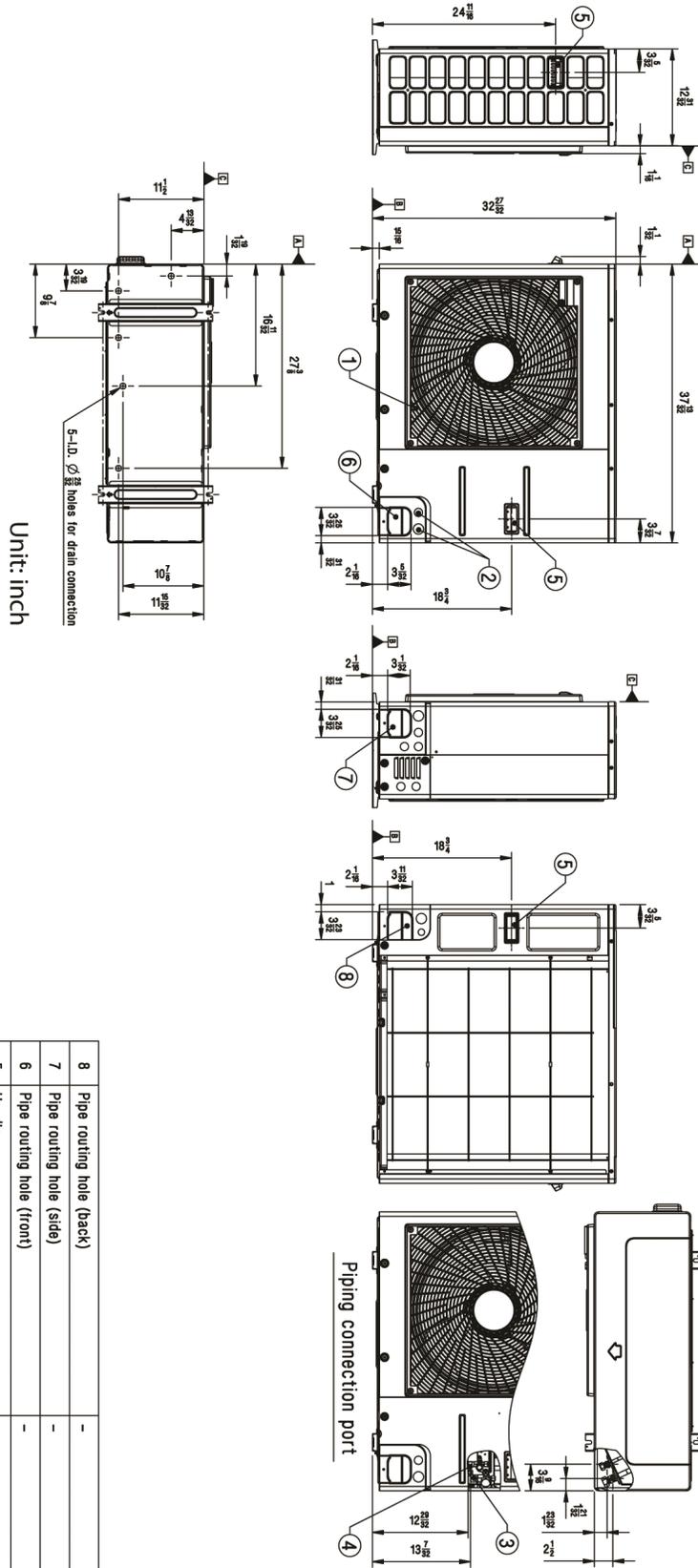
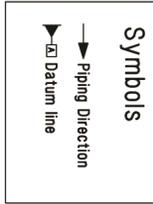
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No.	Part Name	Description
8	Pipe routing hole (back)	-
7	Pipe routing hole (side)	-
6	Pipe routing hole (front)	-
5	Handle	-
4	Liquid Pipe Connection	Flare joint
3	Gas Pipe Connection	Flare joint
2	Power and communication cable Hole	-
1	Air Outlet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

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