

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
SEER	20.00
EER	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
HSPF	11.20
Max. Heating @ Indoor 70°F DB (Btu/h)	
Outdoor 17°F WB	22,610
Outdoor 5°F WB	20,000
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: 80°F DB / 67°F WB

Outdoor: 95°F DB / 75°F WB

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

Included Accessories:

- Wireless Remote Controller - PQWRHQ0FDB

Required Accessories:

- ☐ Grille Kit - PT-UQC or PT-QCHWO

Optional Accessories:

- ☐ Simple Controller - PREMT000
- ☐ Premium Controller - PREMTA000
- ☐ MultiSITE™ CRC1 - PREMTBVC0
- ☐ MultiSITE CRC1+ - PREMTBVC1
- ☐ PI-485 - PMNFP14A1
- ☐ Dry Contact - PDRYCB320
- ☐ LonWorks® Gateway - PLNWK100
- ☐ Standard Controller - PREMTB100
- ☐ AC Smart 5 BACnet® Gateway - PACS5A000
- ☐ ACP 5 BACnet Gateway - PACPSA000
- ☐ Outside Air Flange - PTVK430
- ☐ Wi-Fi Module - PWFMD200

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.

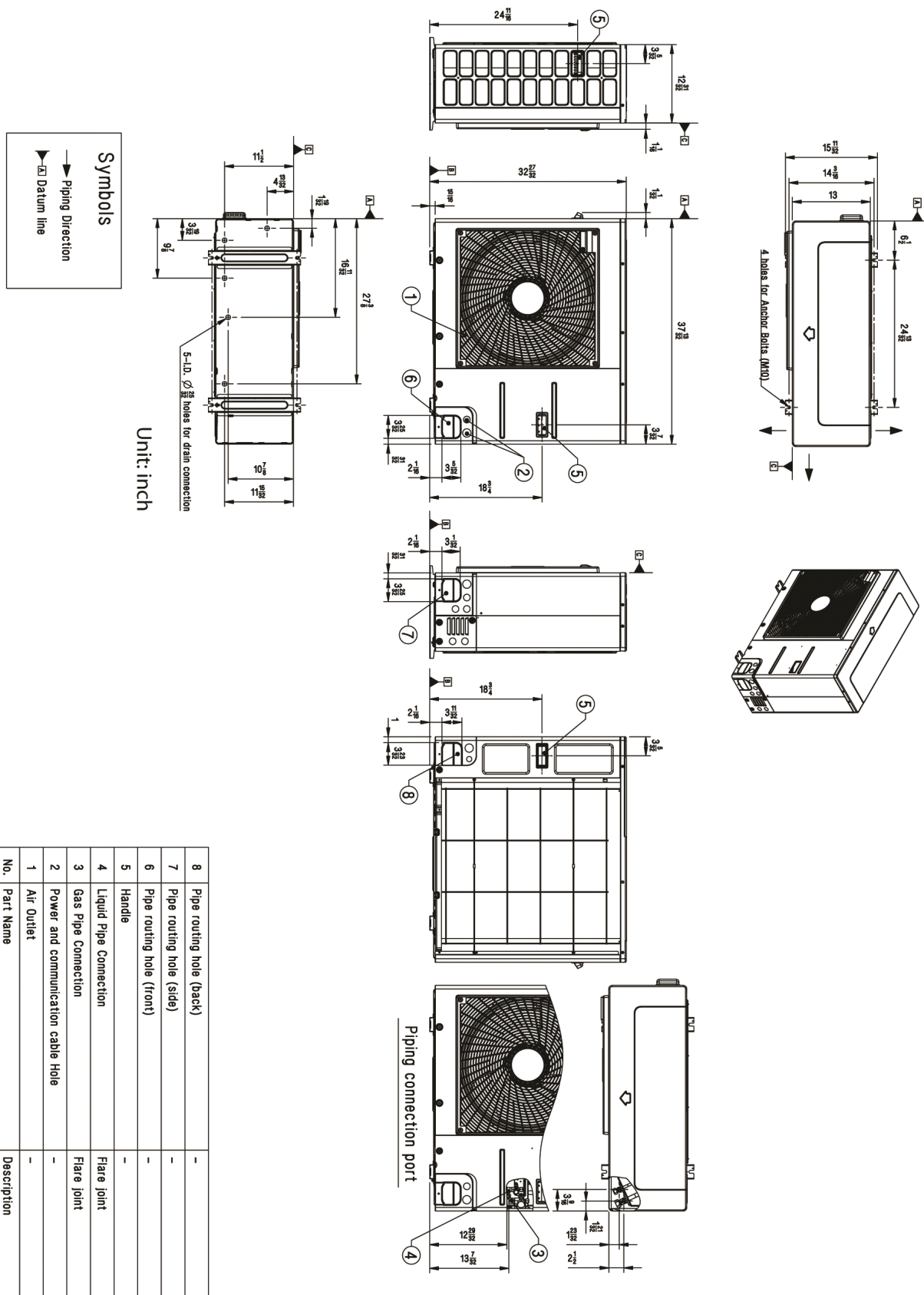
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LGRED®

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Single-Zone 2x2 Four-Way Ceiling Cassette with LGRED°
Outdoor Unit (ODU) - LUU180HHV, Indoor Unit (IDU) - LCN188HV4



PO No.: _____



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	-
No.	Part Name	Description

