

Job Name/Location:

Tag #:

Date:

For: File Resubmit
Approval Other

PO No.:

Architect: GC:

Engr: Mech:

Rep: (Company) (Project Manager)



LD187HV4

Single Zone Low Static Ducted

Outdoor Unit (ODU) - LUU189HV, Indoor Unit (IDU) - LDN187HV4

Performance:

Cooling:

Cooling (Min~Rated~Max, Btu/h)	7,400 ~ 18,000 ~ 21,100
SEER	18
EER	11.5

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

Heating:

Heating (Min~Rated~Max, Btu/h)	6,800 ~ 20,000 ~ 21,800
HSPF	10
Max. Heating @ Indoor 70°F DB	
Outdoor 17°F WB	18,000 (90%)
Outdoor 5°F WB	16,000 (80%)
Outdoor -4°F WB	14,000 (70%)

HSPF - Heating Seasonal Performance Factor

Cooling Nominal Test Conditions:

Indoor: 80°F DB / 67°F WB

Outdoor: 95°F DB / 75°F WB

Heating Nominal Test Conditions:

Indoor: 70°F DB / 60°F WB

Outdoor: 47°F DB / 43°F WB

Outdoor Unit:

MOP (A)	30
MCA (A)	20
Cooling / Heating Rated Amps (A)	15.9 / 15.9
Compressor (A)	13.5
Fan Motor (IDU + ODU) (A)	2.4

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Total Power Input:

Cooling Power Input (kW)	1.56
Heating Power Input (kW)	2

Piping:

Installed Liquid Pipe (in., O.D.)	3/8
Installed Vapor Pipe (in., O.D.)	5/8
Liquid Line (in., O.D.)	1/4
Vapor Line (in., O.D.)	1/2
Additional Refrigerant (oz./ft.)	0.43
Min. / Max. Pipe Length ² (ft.)	6.6 / 164
Piping Length (no add'l refrig., ft.)	24.6
Max. Elevation (ft.)	98.4

Features:

- ESP control fan
- Hot start
- Internal Condensate Pump
- Inverter (variable speed)
- IDU compatible with Multi F ODUs
- Smart Diagnosis
- Optional Wi-Fi control
- Auto restart
- Control lock
- Group control
- Timer (on/off)
- Sleep Mode

Required Accessories (sold separately):

Controller (Any LG wired remote controller)

Optional Accessories:

- MultiSITE™ CRC1 - PREMTBVCO
- MultiSITE CRC1+ - PREMTBVC1
- MultiSITE Comm. Mgr-PBACNBTR0
- PI-485 - PMNFP14A1
- Dry Contact - PDRYCB300
- Wi-Fi Module - PWFMD200
- Base Pan Heater- PQSH1200
- Low Ambient Kit (Cooling operation to -40°C) -PAG-HS6/PAG-HS7/PQCA0
- Simple Controller- PQRCVCLQW
- RS3 Remote Controller- PREMTB100
- Aux Heater Relay kit- PRARH0

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

Electrical:

Power Supply ¹ (V/Hz/Ø)	208-230/60/1
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System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	3.75
ODU Sound Pressure ³ (Cooling / Heating)	48 / 52
IDU Sound Pressure ³ (Cooling / Heating)	36 / 34 / 31
ODU Net / Shipping Weight (lbs.)	127.8 / 140.0
IDU Net / Shipping Weight (lbs.)	48.5 / 57.3
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Sirocco
Fan Speeds (Fan/Cool/Heat)	3 / 3 / 3
Quantity (ODU + IDU)	1 + 3
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Max. Air Flow Rate (CFM)	2,048
IDU Air Flow H/M/L (CFM)	530 / 441 / 353
Dehumidification (pts./hr.)	2.4
Factory Set ESP (in wg)	0.1
Minimum External Static Pressure	0.0
Maximum External Static Pressure	0.2

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 is to be minimum four-conductor, 18 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. The indoor 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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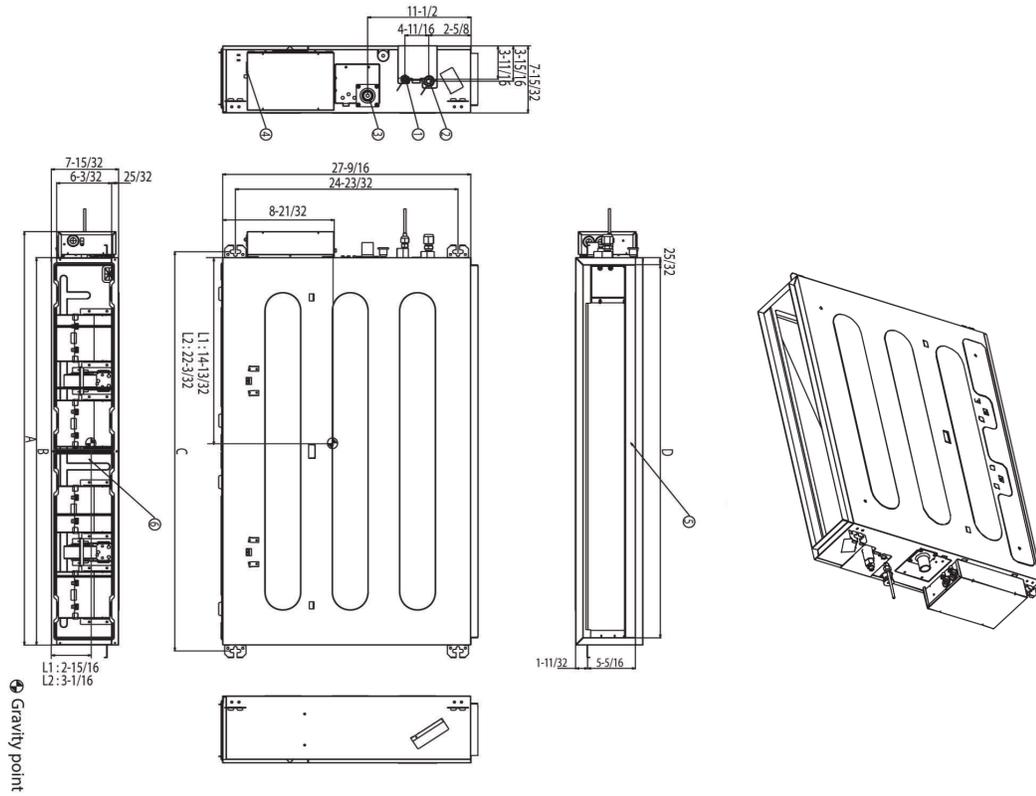
Outdoor Unit (ODU) - LUU189HV, Indoor Unit (IDU) - LDN187HV4



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Number	Name	Description
1	Liquid pipe connection	(unit: inch)
2	Gas pipe connection	
3	Drain pipe connection	
4	Power supply connection	
5	Air discharge	
6	Air suction	