

Job Name/Location:

Tag #:

Date:

For: File Resubmit
Approval Other

PO No.:

Architect: GC:

Engr: Mech:

Rep:

(Company)

(Project Manager)

LDN187HV4

Multi F Ceiling-Concealed Low-Static Duct
18,000 Btu/h



Performance:

Nominal Cooling Capacity (Btu/h)	18,000
Nominal Heating Capacity (Btu/h)	20,800

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

Electrical:

Power Supply (V/Hz/Ø)	208-230/60/1
Rated Amps (A)	0.80

Piping:

Installed Liquid Pipe (in., O.D.)	Ø1/4
Installed Vapor Pipe (in., O.D.)	Ø1/2
Liquid Connection (in., O.D.)	Ø1/4
Vapor Connection (in., O.D.)	Ø1/2
Drain (in., O.D. / I.D.)	1-1/4, 1
Temperature Sensor	Thermistor

Controls Features:

- Two thermistor control
- Auto operation
- Auto restart
- Control lock function
- Drain pump
- Group control
- Inverter (variable speed fan)
- Compatible with accessory Wi-Fi module
- Compatible with applicable Single Zone Outdoor Units (see single zone literature for matching system details)

Optional Accessories:

- ☐ MultiSITE™ CRC2 Controller - PREMTBVC2
- ☐ Auxiliary Heater Kit - PRARH1
- ☐ Wi-Fi Module - PWFMD200
- ☐ Remote Temperature Button Sensor - ZRTBS01
- ☐ Dry Contact for Third Party Thermostat - PDRYCB320
- ☐ Programmable Remote Controller - PREMTB100
- ☐ Delux Remote Controller - PREMTA200

Entering Mixed Air:

Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) dB(A) ²	36 / 34 / 31
Primary Filter	Washable Pre-filter
Net Weight (lbs.)	48.5
Shipping Weight (lbs.)	57.3

Fan:

Type	Turbo
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	530 / 441 / 353
External Static Pressure ^{3,4} (in wg)	0.10
Minimum External Static Pressure ⁵	0.00
Maximum External Static Pressure ⁶	0.20

Notes:

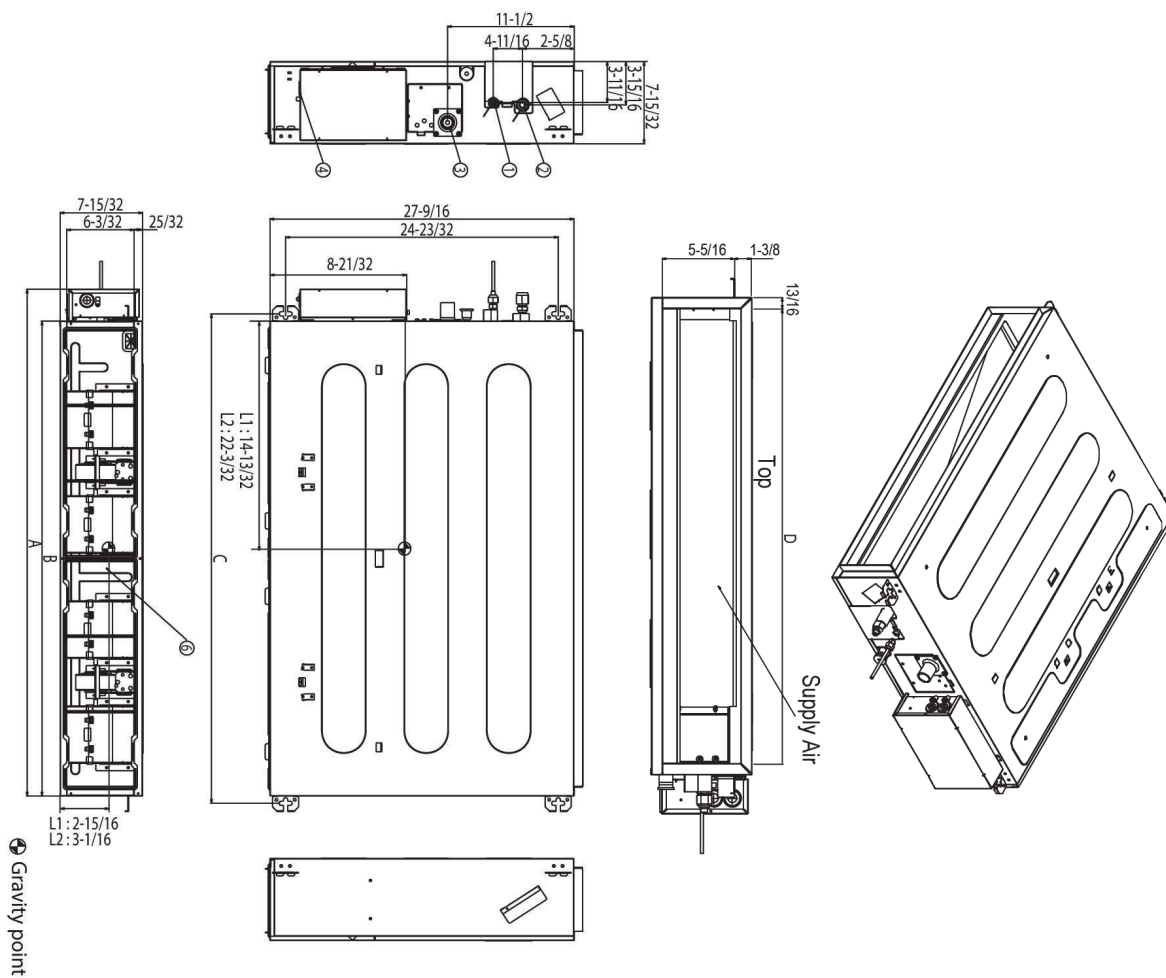
- Acceptable operating voltage: 187V-253V.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 3745.
- Adjust fan speed to correct for static pressure increases when using field-supplied air filter.
- At factory fan speed setting.
- Air flow rate (CFM) at high speed.
- See Engineering Manual for sensible and latent capacities.
- All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of 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.
- Power wiring cable size must comply with the applicable local and national code.
- The indoor unit comes with a dry helium charge.
- Corresponding refrigerant piping length is in accordance with standard length of each outdoor unit and the level difference is 0 ft. All capacities are net with a combination ratio between 95 - 105%.
- Must follow installation instructions in the applicable LG installation manual.



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Number	Name	Description
1	Liquid pipe connection	
2	Gas pipe connection	
3	Drain pipe connection	
4	Power supply connection	
5	Air discharge	
6	Air suction	

Model Number	A	B	C	D
LDN097HV4	30-15/32	27-9//16	28-27/32	25-31/32
LDN127HV4 LDN187HV4	38-11/32	35-7//16	36-23/32	33-27/32