

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**LMDN186HV**

Multi F Ceiling Concealed Duct
18,000 Btu/h Indoor Unit

**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 ¹ /Hz/Ø)	208-230/60/1
Rated Amps (A)	0.80

Piping:

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	1/2
Drain OD, ID (in)	1-1/4, 1
Temperature Sensor	Thermistor

Features:

- 2 Thermistor control
- Auto operation
- Auto restart
- Control lock function
- Internal Condensate Pump
- Inverter (variable speed fan)
- Group control

Included Accessories:

- Simple Controller with Mode - AKB72955816

Optional Accessories (sold separately)

- ☐ LG Programmable Thermostat - PREMTB10U0
- ☐ Simple Controller with Mode (Black) - PQRVCLOQ
- ☐ Simple Controller with Mode (White) - PQRVCLOQW
- ☐ Simple Controller without Mode (Black) - PQRCHCA0Q
- ☐ Simple Controller without Mode (White) - PQRCHCA0QW
- ☐ AC Smart Premium - PQCSW421E0A
- ☐ ACP Premium - PQCP22A1
- ☐ ACP Standard - PQCP22N1
- ☐ LonWorks Gateway - PQNFB16A1
- ☐ BACnet Gateway - PQNFB17C1
- ☐ AC Ez - PQCSZ250S0
- ☐ Dry Contact Unit Dry Contact Unit (1 contact, 24 VAC external power) - PQDSB1
- ☐ Dry Contact Unit Dry Contact Unit (2 input, power from indoor unit) - PQDSBC
- ☐ Dry Contact for Third Party Thermostat - PQDSBNGCM1

For a complete list of available accessories, contact your LG representative.

Operating Range:

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

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure ² H/M/L (±3 dB(A))	36/34/31
Primary Filter	Washable Pre-filter
Net Unit Weight (lbs)	51
Shipping Weight (lbs)	57

Fan:

Type	Sirocco
Quantity	3
Motor/Drive	Brushless Digitally Controlled/Direct
Airflow Rate H/M/L (CFM)	530/441/353
External Static Pressure ^{3 4} (in wg)	0.1
Minimum External Static Pressure ⁵	0.0
Maximum External Static Pressure ⁵	0.2

Notes:

- Acceptable operating voltage: 187V-253V.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
- 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 power/communication cable to be minimum 18 American wire gage (AWG), 4-conductor, stranded, shielded and must comply with applicable local and national code.
- Power wiring cable size must comply with the applicable local and national code.
- This 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.
- Must follow installation instructions in the applicable LG installation manual.



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Multi F Ceiling Concealed Duct

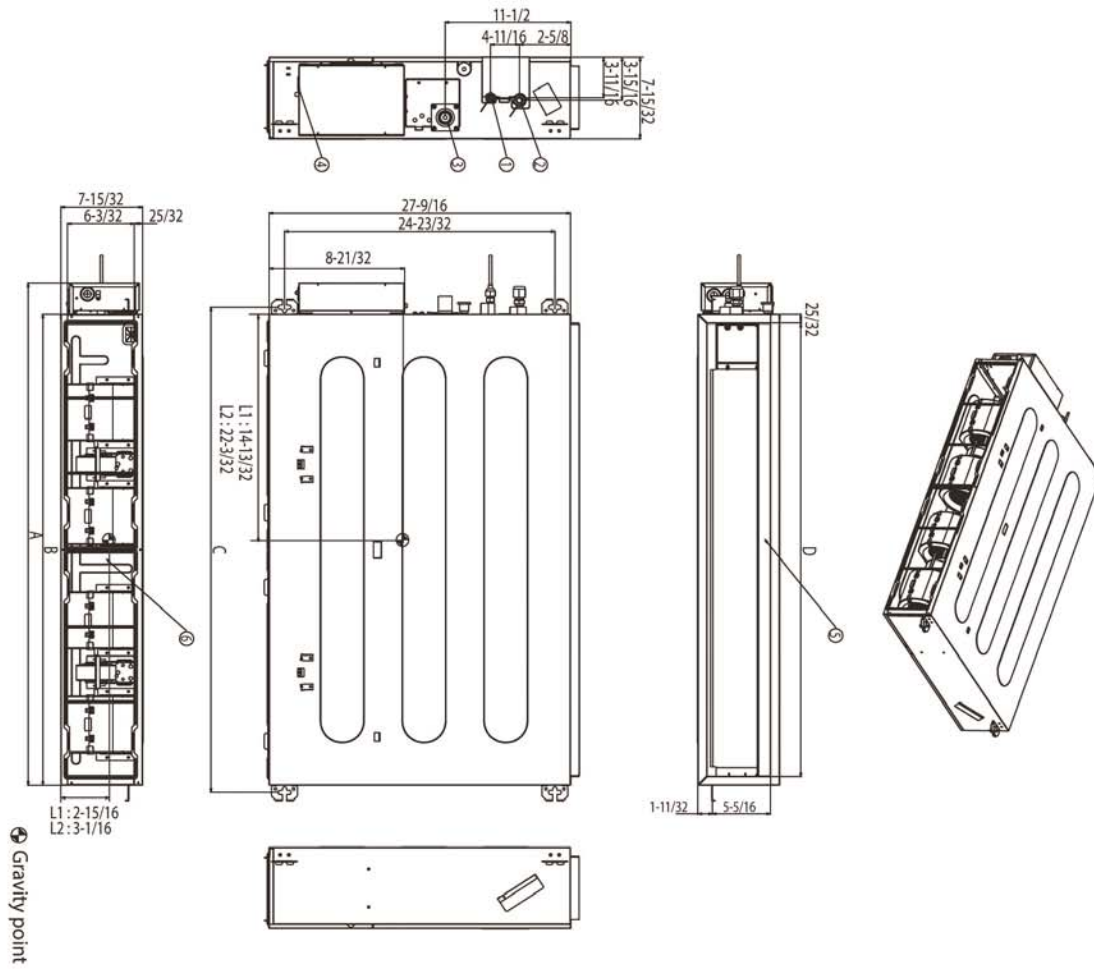
18,000 Btu/h Indoor Unit



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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	

(unit: inch)

Model Number	A	B	C	D
LMDN096HV	30-15/32	27-9/16	28-27/32	25-31/32
LMDN126HV	38-11/32	35-7/16	36-23/32	33-27/32
LMDN186HV				

(unit: inch)