Job Name/Location:

Tag No:



File

Mech:

(Project Manager)

Approval

Resubmit

ife's Good

Operating Range:

Cooling (°F DB)

Unit Data: **Refrigerant Type**

Compressor: Type

Quantity Oil / Type

Quantity

Notes:

3745

only.

Motor / Drive

Max. Airflow Rate (CFM)

2. Piping lengths are equivalent.

LMU183HV: 16.4 ft. x 2 = 32.8 ft. LMU243HV: 16.4 ft. x 3 = 49.2 ft. LMU303HV: 16.4 ft. x 4 = 65.6 ft.

LMU363HV: 16.4 ft. x 4 = 65.6 ft.

1. Acceptable operating voltage: 187V - 253V.

3. Sound pressure levels are tested in an anechoic chamber under ISO Standard

5. Power wiring size must comply with the applicable local and national codes. 6. This data is rated 0 ft. above sea level, with 0 ft. level difference between outdoor

and indoor units, and the following refrigerant pipe lengths:

All capacities are net with a combination ratio between 95 - 105%.

8. Refer to the Combintion Data Manual for combination capacity tables.

9. See the Performance Data Manual for sensible and latent capacities.

7. Must follow installation instructions in the applicable LG installation manual.

4. All power / communication cable to be minimum 14 AWG, 4-conductor, stranded, shielded or unshielded wire, and must comply with applicable local and national codes. If shielded, the wire must be grounded to the chassis at the outdoor unit

Fan: Type

Heating (°F WB)

Refrigerant Control

Net / Shipping Weight (lbs.)

Maximum No. of Indoor Units

Heat Exchanger Coating Minimum No. of Indoor Units

Sound Pressure (Cool / Heat) ±1 dB(A)³

Other



14 to 118

-4 to +64

R410A

101.0 / 109.8

Gold Fin™

Twin Rotary

FVC68D

Propeller

Brushless Digitally Controlled/Direct

1

1.766

FFV 49/54

2

2

Architect: GC:

Engr:

Rep: (Company)

LMU183HV

Multi F Inverter Heat Pump Outdoor Unit

Performance:

	Cooling Capacity (MinRated-Max.,	Btu/h)	8,400~18,000	~21,600
	Heating Capacity (MinRated-Max.,	Btu/h)	10,080~22,000	~25,000
Max. Heating Capacity at 5°F (Btu/h)			17,700	
Max. Heating Capacity at 0°F (Btu/h)			16,090	
	Max. Heating Capacity at -4°F (Btu/		14,800	
	EER2			13.5
	SEER2			22.5
	СОР			3.6
	HSPF2			9.6
	Cooling Nominal Test Conditions:	Heating Nominal	Test Conditions:	
	Outdoor: 95°F DB / 75°F WB	Outdoor: 47°F DB	/ 43°F WB	

Electrical:

Power Supply (V/Hz/Ø) ¹	208-230V, 60, 1
MOP (A)	20
MCA (A)	15.8
Recommended Fuse Size (A)	20
Cooling Rated Amps (A)	12.8
Heating Rated Amps (A)	12.8
Compressor (A)	12.0
Fan Motor (A)	0.40
Locked Rotor Amps (A)	16.0
MOP - Maximum Overcurrent Protection	MCA - Minimum Circuit Ampacity

MOP - Maximum Overcurrent Protection

Piping:

Refrigerant Charge (lbs.)	3.97
Liquid Line Connection (in., O.D.)	1/4 x 2
Vapor Line Connection (in., O.D.)	3/8 x 2
Maximum Total Piping ² (ft.)	164.0
Min. / Max. ODU to IDU Piping (ft.)	9.8 / 82.0
Piping Length (no add'l refrigerant, ft.)	98.4
Maximum Elevation between ODU and IDU (ft.)	49.2
Maximum Elevation between IDU and IDU (ft.)	24.6

ODU = Outdoor Unit

Features:

- Auto operation
- Auto restart
- Inverter (variable speed compressor)
- Defrost / Deicing

Optional Accessories:

□ PI-485 - PMNFP14A1 □ MultiSITE Comm. Mgr. -**PBACNBTROA** AC Smart 5 - PACS5A000 \square ACP 5 - PACP5A000 □ Power Distribution Indicator (PDI) Premium - PONUD1S41

IDU = Indoor Unit

- Restart delay (three [3] minutes)
- Self diagnosis
- Soft start
- Low ambient cooling down to 14°F

□ Mobile LGMV - PLGMVW100 Drain Pan Heater - PQSH1203 Low Ambient Baffle Kit (Cooling operation to -4°F) - ZLABGP03A







For a complete list of available accessories, contact your LG representative. For continual product development, LG reserves the right to change specifications without notice.

© LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com



- 4. Electrical characteristics must be considered for electrical work and design. The capacity of power cable and circuit breaker for the outdoor unit must follow local, state, national, and manufacturer requirements.
- 5. For LMU183HV Unit, ports A and B are available.
- 6. For LMU243HV Unit, ports A, B, and C are available.

For continual product development, LG reserves the right to change specifications without notice. © LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com

Job Name/Location:					Tag #:
Date:		For:	File	Resubmit	
PO No.:			Approval	Other	
Architect:	GC:				

Engr:

Rep:

(Company)

(Project Manager)

Mech:

LDN097HV4

Multi F Ceiling-Concealed Low-Static Duct 9,000 Btu/h

Performance:

Nominal Cooling Capacity (Btu/h)	9,	000
Nominal Heating Capacity (Btu/h)	10,	400
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)	(0.40
Piping:		
Installed Liquid Pipe (in., O.D.)	Q	51/4
Installed Vapor Pipe (in., O.D.)	Ø	93/8
Liquid Connection (in., O.D.)	Q	51/4
Vapor Connection (in., O.D.)	Ø	93/8
Drain (in., O.D. / I.D.)	1-1/	/4, 1
Temperature Sensor	Thermi	istor

Controls Features:

- Two thermistor control
- Compatible with accessory Wi-Fi module¹²
- Auto operation Auto restart
- Control lock function
- Compatible with applicable Single Zone Outdoor Units (see single zone literature for match-

ing system details)

- Drain pump • Group control
- Inverter (variable speed fan)

Optional Accessories:

- ☐ MultiSITE[™] CRC1 Controller PREMTBVC0
- □ MultiSITE[™] CRC1+ Controller PREMTBVC1
- □ Simple Remote Controller PREMTCOOU
- Premium Remote Controller PREMTA000
- □ AC Smart Premium PQCSW421E0A
- □ ACP Premium PQCPC22A1
- □ ACP Standard PQCPC22N1
- □ LonWorks Gateway PQNFB16A1
- BACnet Gateway PQNFB17C1
- □ Remote Temperature Button Sensor ZRTBS01
- □ Simple Dry Contact (1 contact, 24 VAC external power) PDRYCB100
- Dry Contact for Third Party Thermostat PDRYCB300
- □ Dry Contact for Economizer PDRYCB400
- □ Auxiliary Heater Kit PRARH1
- UWi-Fi Module PWFMDD200



Entering Mixed Air:

0	
Cooling (°F DB)	57 ~ 77
Heating (°F WB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) dB(A) ²	30 / 26 / 23
Primary Filter	Washable Pre-filter
Net Weight (lbs.)	39
Shipping Weight (lbs.)	46

Fan:

Туре	Turbo
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	318 / 247 / 194
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. 3. Adjust fan speed to correct for static pressure increases when using field-supplied air filter.

- A. At factory fan speed to Control state pressure increases with a speed.
 Air flow rate (CFM) at high speed.
 See Engineering Manual for sensible and latent capacities.

3. 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.
8. 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%.

- 11. Must follow installation instructions in the applicable LG installation manual.
- 12. 9/12MBH models manufactured June 2018 and after; LDN187HV4 upon launch.





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

© LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com

SB_MultiF_LowStaticDucted_LDN097HV4_2018_11_16_133903 Page 1 of 2

LDN097HV4

Multi F Ceiling-Concealed Low-Static Duct 9.000 Btu/h

G Tag No.: _ Date: _

<u>11-1/2</u> 4<u>-11/16 2-5/8</u>

Life's Good PO No.: _



.



L)
<u>m</u>
5.
- T
<
0
õ
≌.
-

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

33-27/32	36-23/32	35-7/16	38-11/32	LDN127HV4 LDN187HV4
25-31/32	28-27/32	27-9/16	30-15/32	LDN097HV4
D	C	в	A	Model Number
unit: inch)	(

For continual product development, LG reserves the right to change specifications without notice. SB_MultiF_LowStaticD © LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com

Job Name/Location:					Tag #:
Date:		For:	File	Resubmit	
PO No.:			Approval	Other	The second s
Architect:	GC:				

Engr:

Rep:

(Company)

(Project Manager)

Mech:

LDN127HV4

Multi F Ceiling-Concealed Low-Static Duct 12,000 Btu/h

Performance:

Nominal Cooling Capacity (Btu/h)		12,000
Nominal Heating Capacity (Btu/h)		13,800
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:		
Installed Liquid Pipe (in., O.D.)		ø1/4
Installed Vapor Pipe (in., O.D.)		ø3/8
Liquid Connection (in., O.D.)		ø1/4
Vapor Connection (in., O.D.)		ø3/8
Drain (in., O.D. / I.D.)		1-1/4, 1
Temperature Sensor	Т	hermistor
Controls Fosturos:		

Controls Features:

- Two thermistor control
- Compatible with accessory Wi-Fi module¹²
- Auto operation • Auto restart

• Drain pump

• Group control

- Control lock function
- Compatible with applicable Single Zone Outdoor Units (see single zone literature for matching system details)
- Inverter (variable speed fan)

Optional Accessories:

- ☐ MultiSITE[™] CRC1 Controller PREMTBVC0
- □ MultiSITE[™] CRC1+ Controller PREMTBVC1
- □ Simple Remote Controller PREMTCOOU
- □ Premium Remote Controller PREMTA000
- □ AC Smart Premium PQCSW421E0A
- □ ACP Premium PQCPC22A1
- □ ACP Standard PQCPC22N1
- □ LonWorks Gateway PQNFB16A1
- BACnet Gateway PQNFB17C1
- □ Remote Temperature Button Sensor ZRTBS01
- □ Simple Dry Contact (1 contact, 24 VAC external power) PDRYCB100
- Dry Contact for Third Party Thermostat PDRYCB300
- □ Dry Contact for Economizer PDRYCB400
- □ Auxiliary Heater Kit PRARH1
- UWi-Fi Module PWFMDD200



Entering Mixed Air:

0	
Cooling (°F DB)	57 ~ 77
Heating (°F WB)	59 ~ 81

Unit Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (H/M/L) dB(A) ²	31 / 28 / 27
Primary Filter	Washable Pre-filter
Net Weight (lbs.)	51
Shipping Weight (lbs.)	60

Fan:

Туре	Turbo
Quantity	1
Motor/Drive	Brushless Digitally Controlled/Direct
Air Flow H/M/L (CFM)	353 / 300 / 247
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. 3. Adjust fan speed to correct for static pressure increases when using field-supplied air filter.

- A. At factory fan speed to Control state pressure increases with a speed.
 Air flow rate (CFM) at high speed.
 See Engineering Manual for sensible and latent capacities.

3. 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.
8. 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%.

- 11. Must follow installation instructions in the applicable LG installation manual.
- 12. 9/12MBH models manufactured June 2018 and after; LDN187HV4 upon launch.





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

© LG Electronics U.S.A., Inc., Englewood Cliffs, NJ. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. /www.lghvac.com

LDN127HV4 Multi F Ceiling-Concealed Low-Static Duct 12.000 Btu/h

G Tag No.: _ Date: _

11-1/2

Life's Good PO No.: _





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

33-27/32	36-23/32	35-7/16	38-11/32	LDN127HV4 LDN187HV4
25-31/32	28-27/32	27-9/16	30-15/32	LDN097HV4
D	С	В	A	Model Number
unit: inch)	(L			



SB_MultiF_LowStaticDucted_LDN127HV4_2018_11_16_133906 ac.com Page 2 of 2

Job Name/Location:					Tag #:		
Date:		For:	File	Resubmit		The second se	
PO No.:			Approval	Other			
Architect:	GC:						
Engr:	Mech	n:				OCCUPIED	
Rep: (Company)	(Project N	lanager)					
PREMTC00U							
Simple Remote Controller				Life's Good		COMPARIDE	

Unit Data:

Maximum No. of Indoor Units	16
(Group Control)	
Temperature Value*	Farenheit (1° Increments) / Celsius
Dimensions	4-3/4" L x 2-3/4" W x 5/8" H
Weight	0.18 lbs.

*Temperature Value depends on equipment.

Operating Range:

Cooling (°F DB)	64 ~ 86
Heating (°F WB)	60 ~ 86

Communications Cabling Specifications (V-Net):

Туре	Field Supplied
Length**	164 feet
Size	22-3 AWG, twisted, stranded,
	unshielded



**Communication cable can be extended to a maximum of 164 feet between controller and indoor unit by using field supplied cable or the Wired Remote Group Control Cable Assembly (PZCWRCG3) or Wired Remote Extension Cable (PZWRC1), maximum of 4.

Standard Features:

- Auto Operation (Dual Setpoint)
- Unit Operation On / Off
- Mode Selection Cool / Heat / Dry / Fan / Auto
- Fan Speed Selection
- Air Flow Direction (available with indoor units equipped for this feature)
- Static Pressure Setting
- Child Lock
- LED Indicator for unit operating status
- Master / Slave Setting for Multiple Controller Installation
- Room Temperature Sensing Location (Zone Controller, Indoor Unit, Two-Thermistor)
- Discharge Vanes Auto Swing / Fixed (available with indoor units equipped for this feature)
- Manual Central Control Addressing

Optional Accessories:

- 33-foot Extension Cable Assembly (PZCWRC1)
- Group Control Cable Kit (PZCWRCG3)

Notes:

- 1. Must follow installation instructions in the applicable LG installation manual.
- 2. Available functions / features may differ based on the connected system.