

Job Name/Location:

Tag #:

Date:

For:	File	Resubmit
	Approval	Other_____

PO No.:

Architect: _____ GC: _____

Engr: _____ Mech: _____

Rep: _____
(Company) (Project Manager)

LQ120HV

Single Zone Low Wall Console

Outdoor Unit (ODU) - LUU120HV, Indoor Unit (IDU) - LQN120HV4



Performance:

Cooling:

Cooling (Min~Rated~Max, Btu/h)	4,500 ~ 10,200 ~ 13,460
SEER2	20.8
EER2	12.6

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

Heating:

Heating (Min~Rated~Max, Btu/h)	5,970 ~ 13,000 ~ 15,000
HSPF2	10.2

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

Electrical:

Power Supply ¹ (V/Hz/Ø)	208-230 / 60 / 1
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Outdoor Unit:

MOP (A)	15
MCA (A)	12.3
Cooling Rated Amps (A)	9.9
Heating Rated Amps (A)	9.9
Compressor(A)	9.0
Fan Motor (IDU + ODU) (A)	0.7 + 0.2
Cooling Power Input (kW)	0.4 ~ 0.81 ~ 1.35
Heating Power Input (kW)	0.55 ~ 1.23 ~ 1.58

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Liquid Line (in., O.D.)	1/4
Vapor Line (in., O.D.)	3/8
Additional Refrigerant (oz./ft.)	0.22
Max. Pipe Length ² (ft.)	66
Piping Length (no add'l refriger., ft.)	24.6
Max. Elevation (ft.)	49

Features:

- Hot start
- Inverter (variable speed fan)
- Auto restart
- Control lock
- Group control
- Timer (on/off)
- Sleep Mode
- Optional Wi-Fi Control

Included Accessories:

Wireless Remote Controller — PQWRHQ0FDB

Optional Accessories:

- MultiSITE™ CRC1 - PREMTBVC0
- MultiSITE CRC1+ - PREMTBVC1
- Simple Controller - PREMTCC00U
- Wi-Fi module with cable - PWFMDDD200
- Low Ambient Wind Baffle (Cooling operation to -4°F) ZLABGP01A
- Drain Pan Heater - PQSH120Z
- Dry Contact for Thermostat - PDRYCB320
- Simple Dry Contact (1 Contact, 24VAC external power) - PDRYCB100
- Dry Contact for Economizer - PDRYCB400
- Premium Remote Controller - PREMTA000

Operating Range:

Outdoor Unit:

Cooling (°F DB)	0 to 118
Heating (°F WB)	-4 to 64

Indoor Unit:

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

System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	2.425
ODU Sound Pressure Max (Cool / Heat) ±3 dB(A) ³	49 / 52
IDU Sound Pressure (H/M/L) ±3 dB(A) ³	39 / 32 / 27
ODU Net / Shipping Weight (lbs.)	74.5 / 80
IDU Net / Shipping Weight (lbs.)	35.9 / 42.5
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Sirocco
Fan Speeds (Fan / Cool / Heat)	4 / 5 / 5
Fan Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Air Circulation (CFM)	988
IDU Air Circulation (Max/H/M/L) (CFM)	353 / 318 / 244 / 184
Dehumidification Rate (pts/hr)	2.5

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, 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 for total and sensible capacities during cooling cycle.
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.

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Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps (excluding ductless systems) must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit www.energystar.gov. (ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.)

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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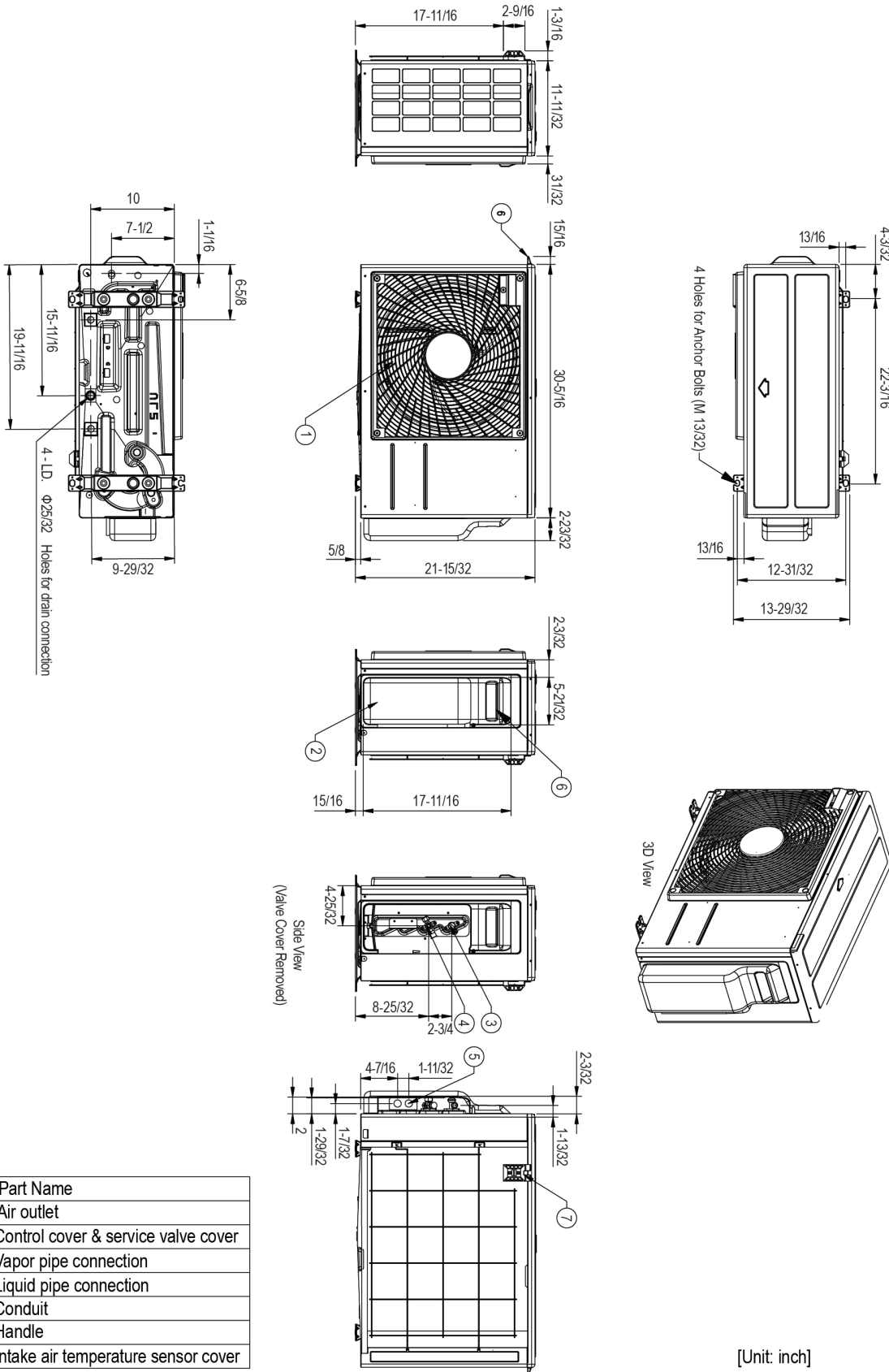
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No.	Part Name
1	Air outlet
2	Control cover & service valve cover
3	Vapor pipe connection
4	Liquid pipe connection
5	Conduit
6	Handle
7	Intake air temperature sensor cover

[Unit: inch]

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