Job Name/Location:
Tag #:

Date:

PO No.:

Architect:

For: File Resubmit

Approval Other

GC:

LG



Rep:

(Project Manager)

Mech:

## LS240HEV1

Mega 220V Single Zone Inverter

Outdoor Unit (ODU) - LSU240HEV1 Indoor Unit (IDU) - LSN240HEV1





## Performance:

Cooling:

 Capacity (Min/Rated/Max) (Btu/h)
 3,685 ~ 22,000 ~ 24,000

 SEER
 17.0

 EER
 10.76

Heating:

Capacity (Min/Rated/Max) (Btu/h)  $3,685 \sim 22,000 \sim 24,226$  HSPF 9.0

HSPF - Heating Seasonal Performance Factor

Cooling Nominal Test Conditions: Heating Nominal Test Conditions: Indoor: 80°F DB/67°F WB Indoor: 70°F DB/60°F WB
Outdoor: 95°F DB/75°F WB Outdoor: 47°F DB/43°F WB

#### **Electrical:**

Power Supply (V¹/Hz/Ø)	208-230/60/1

## **Outdoor Unit:**

MOP (A)	20
MCA (A)	15
Cooling Rated Amps (A)	11.52
Heating Rated Amps (A)	11.08
Compressor (A)	10.72
Fan Motor (A)	0.40

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

## **Total Power Input:**

Cooling Power Input (kW)	2.05
Heating Power Input (kW)	1.94

## Piping:

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	5/8
Additional Refrigerant (oz/ft)	0.33
Max Pipe Length (Min/Max) (ft) <sup>2</sup>	9.8/65.6
Piping Length (no add'l refrigerant, ft)	24.6
Max Elevation (ft)	32.8

## **Controls Features:**

•24-Hour on/off timer

•2-Way (up/down) auto swing

Auto changeover

Auto restart

connection

•Condensate sensor

Energy saving

•Inverter (variable speed compressor)

•Jet cool/Jet heat

•Self-cleaning indoor coil

•Sleep mode

•Ultra quiet operation

## **Operating Range:**

**Outdoor Unit:** 

Cooling (°F DB) Heating (°F WB)	14-118 14-65
Indoor Unit:	
Cooling (°F WB)	53-75

Heating (°F DB)	60-86
Cooling (°F WB)	53-75

#### **Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs)	2.64
ODU Sound Pressure (±3 dB(A)) <sup>3</sup>	53
IDU Sound Pressure ±3 (H/M/L/Sleep) dB(A) <sup>3</sup>	45/40/35/29
ODU Net Unit Weight (lbs)	95
ODU Shipping Weight (lbs)	104
IDU Net Unit Weight (lbs)	28
IDU Shipping Weight (lbs)	34
Heat Exchanger Coating	GoldFin™

### Fan:

ODU Type		Propeller	
IDU Type		Cross Flow	
Fan Speeds (Fan/Cooling/Heating)		4/4/4	
Quantity (ODU + IDU)		1 + 1	
Motor/Drive	Brushless Digitally	ss Digitally Controlled/Direct	
ODU Max Air Flow Rate (CFM)		1,766	
IDU Air Flow Rate H/M/L (CFM)		600/494/388	
Dehumidification (pts/hr)		4.88	

## 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 1996.

4.All power/communication cable to be minimum 18 AWG. 4-conductor, stranded, shielded

and must comply with applicable local and national code.

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.

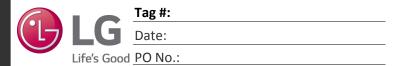
 $9. \\ Must follow in stallation instructions in the applicable LG in stallation manual.$ 

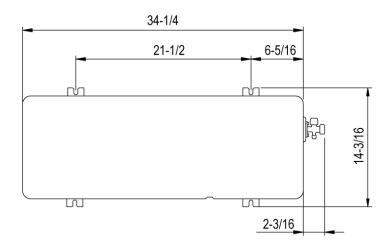


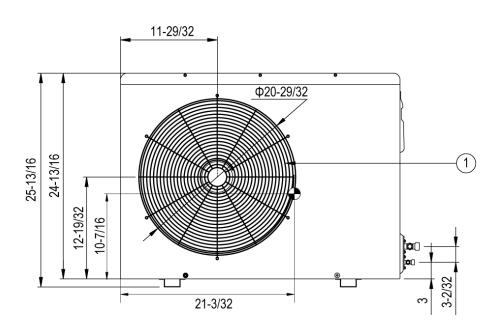


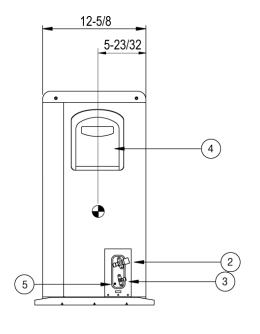
# Outdoor Unit (ODU) - LSU240HEV1

Mega 220V Single Zone Inverter









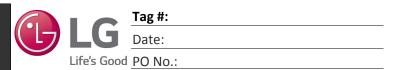
Center of gravity

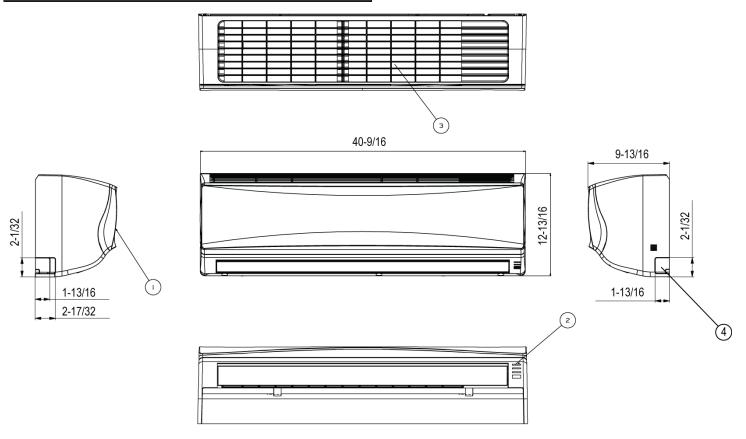
Unit: inch

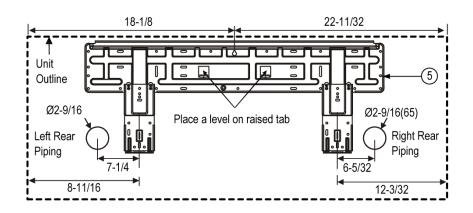
Item No.	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

## Indoor Unit (IDU) - LSN240HEV1

Mega 220V Single Zone Inverter







Unit: inch

Item No.	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Knockout hole	For pipe and cable
5	Installation Plate	