

Job Name/Location:

Tag #:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other \_\_\_\_\_

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

**LS186HE**

Standard Single Zone

Outdoor Unit (ODU)-LSU186HE Indoor Unit (IDU)-LSN186HE

**Performance:****Cooling:**

Capacity (Btu/h)	17,800
SEER	13.0
EER	8.9

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

**Heating:**

Capacity (Btu/h)	17,800
HSPF	7.7

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 W  
Outdoor: 47°F DB/43°F WB**Electrical:****Outdoor Unit:**

Power Supply (V <sup>1</sup> /Hz/Ø)	208-230/60/1
MOP (A)	20
MCA (A)	14.2
Cooling Rated Amps (A)	10.4
Heating Rated Amps (A)	10.4
Compressor A (A)	5.7
Compressor B (A)	4.8
Fan Motor (A)	0.7

MOP - Maximum Overcurrent Protection MCA - Minimum Circuit Ampacity

**Indoor Unit:**

Power Supply (V/Hz/Ø)	36V DC
Cooling Power Input (kW)	2.0
Heating Power Input (kW)	2.0

**Piping:**

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	1/2
Additional Refrigerant (oz/ft)	0.22
Max Pipe Length (ft) <sup>2</sup>	66
Piping Length (no add'l refrigerant, ft)	25
Max Elevation (ft)	23

**Features:**

- 4 Fan speeds
- 24-Hour on/off timer
- Auto operation
- Auto restart
- Auto sleep mode
- Chaos wind
- Defrost control
- Evaporator frost control
- Fan mode
- Manual power switch
- Multi power system™
- Plasma air purifying system
- Jet cool
- Temperature display on indoor unit
- Ultra-quiet operation



PQWRHSFO

**Operating Range:****Outdoor Unit:**

Cooling (°F DB)	70-115
Heating (°F DB)	34-75

**Indoor Unit:**

Cooling (°F DB)	64-90
Heating (°F DB)	61-86

**Unit Data:**

Refrigerant Type	R410A
Refrigerant Control	Check Valve & Capillary Tube
Refrigerant Charge (lbs)	2.87
ODU Sound Pressure Max (±3 dB(A)) <sup>3</sup>	53
IDU Sound Pressure (H/M/L) (±3 dB(A)) <sup>3</sup>	46/43/41
ODU Net Weight (lbs)	124.3
ODU Shipping Weight (lbs)	134.0
IDU Net Weight	28.6
IDU Shipping Weight (lbs)	35.3
Heat Exchanger Coating	GoldFin™
Communication Cable (No x AWG) <sup>4</sup>	4 x 18

ODU - Outdoor Unit IDU - Indoor Unit

**Fan:**

ODU Type	Propeller
IDU Type	Cross Flow
Fan Speeds (Fan/Cooling/Heating)	3/4/3
Quantity (ODU + IDU)	1 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
ODU Max Air Flow Rate (CFM)	1,164
IDU Max Air Flow H/M/L (CFM)	560/490/430
Dehumidification (pts/hr)	5.3

**Notes:**

- Acceptable operating voltage: 187V-253V.
- Piping lengths are equivalent.
- Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
- All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code.
- See Engineering Manual for sensible and latent capacities.
- Power wiring cable size must comply with the applicable local and national code.
- This unit comes with a dry helium charge.
- 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.
- Must follow installation instructions in the applicable LG installation manual.

**Standard Features:**

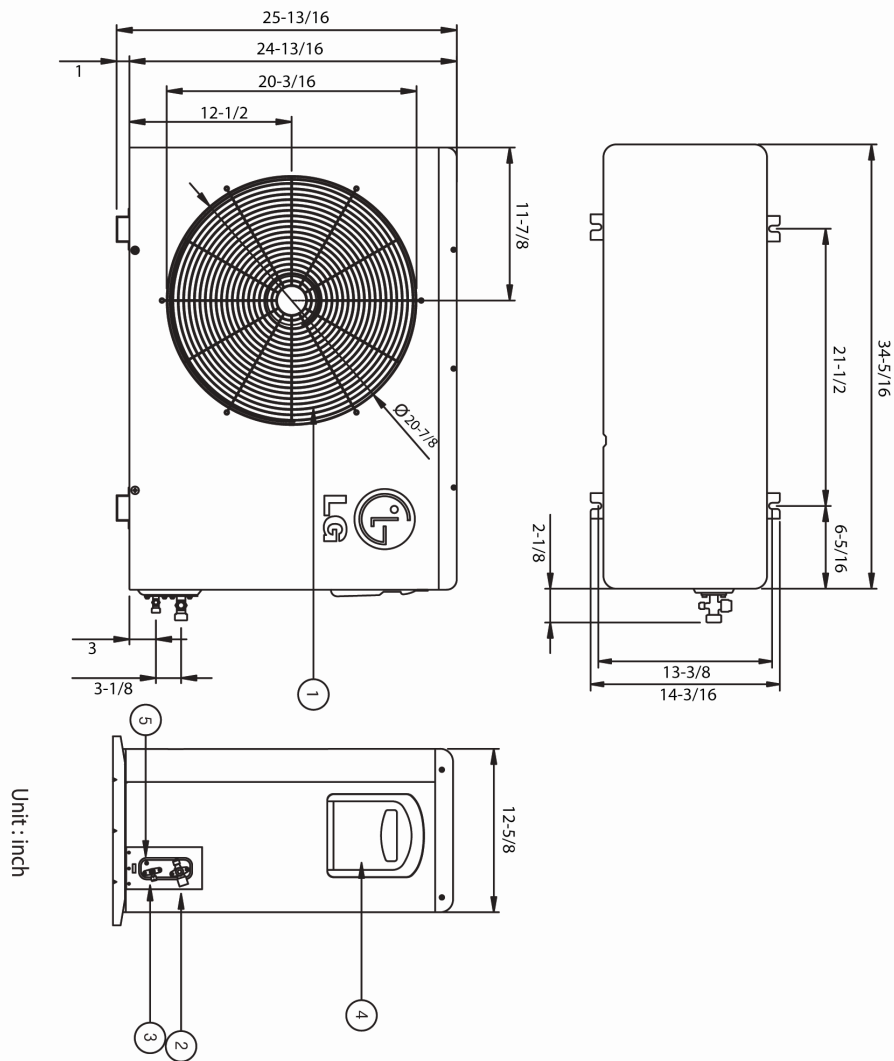
- Limited Five Year Compressor Warranty
- Limited Two Year Functional Parts Warranty



Outdoor Unit (ODU)-LSU186HE  
Standard Single Zone



Tag #: \_\_\_\_\_  
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Item No.	Part name	Remarks
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Indoor Unit (IDU)-LSN186HE  
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