

# MINI-SPLIT STANDARD AIR CONDITIONERS SINGLE ZONE

Mini-Split Standard systems utilize the same duct-free technology as Art Cool units in a streamlined, low profile design. Models are available in a variety of sizes from 9,000 through 30,000 BTUs. LG's Mini-split standard air conditioners are easy to install, efficient and cost effective.

**Available styles**



Mini-Split Standard Indoor Unit  
White  
9,000-24,000 BTUs



Heat Pump Inverter  
White  
30,000 BTUs



**MINI-SPLIT STANDARD**



Indoor Unit



Outdoor Unit



\*9,000 - 24,000 BTUs units only



# HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

## 9,000 BTUs

**LS092CE (A/C Model)**

**C** 9,000 BTUs Cooling

**LS092HE (H/P Model)**

**C** 9,800 BTUs Cooling

**H** 9,800 BTUs Heating



### FEATURES:

- |   |   |   |  |
|---|---|---|--|
| <ul style="list-style-type: none"> <li>• R-410A Refrigerant</li> <li>• Plasma air purifying system</li> <li>• Gold Fin™ Anti-corrosion</li> <li>• Dehumidifying mode</li> <li>• Chaos Swing</li> <li>• Jet Cool</li> <li>• Cooling mode</li> <li>• Heating mode (H/P model only)</li> <li>• Fan mode</li> <li>• Auto operation</li> </ul> | <ul style="list-style-type: none"> <li>• Manual power switch</li> <li>• Defrost control (H/P model only)</li> <li>• Temperature display on indoor unit</li> <li>• Auto sleep mode</li> <li>• Auto restart</li> <li>• 24-Hour on/off timer</li> <li>• Built-in low ambient standard, down to 0°F (cooling mode)</li> </ul> | <ul style="list-style-type: none"> <li>• Ultra-quiet operation</li> <li>• Evaporator frost control</li> </ul> <p><b>Interior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Wall unit</li> <li>• Installation plate &amp; hardware</li> <li>• Remote control, batteries, holder &amp; holder hardware</li> </ul> | <ul style="list-style-type: none"> <li>• Installation manual</li> </ul> <p><b>Exterior Unit Includes:</b></p> <ul style="list-style-type: none"> <li>• Exterior unit</li> <li>• Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)</li> </ul> <p>MEA #: 316-06-E</p> |
|---|---|---|--|

System Model #	LS092CE	LS092HE
Indoor Model #	LSN092CE	LSN092HE
Outdoor Model #	LSU092CE	LSU092HE
<b>Performance</b>		
Capacity (BTUs)	<b>C</b> 9,000	<b>C</b> 9,800 <b>H</b> 9,800
SEER	13	13
Air Circulation (CFM H/M/L)	250/210/170	330/280/230
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	2.6	3.0
Indoor dB(A)*	36/31/28	41/36/34
Outdoor dB(A)*	48	48
<b>Electrical</b>		
Rated Voltage Outdoor	115-60-1	115-60-1
Rated Voltage Indoor	36V DC	36V DC
<b>Indoor Dimensions</b>		
W x H x D (inches)	33 1/16 x 10 5/8 x 6 1/32	35 3/16 x 11 5/8 x 6 1/2
Weight (lbs.)	15.4	20.5
<b>Outdoor Dimensions</b>		
W x H x D (inches)	30 5/16 x 21 5/16 x 9 5/8	30 5/16 x 21 5/16 x 9 5/8
Weight (lbs.)	66.1	72.8
<b>Thermostat Range</b>		
Cooling / Heating (°F)	64-86	64-86/60-86

\*LG verified sound ratings

# HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

## 12,000 BTUs

### LS122CE (A/C Model)

**C** 11,500 BTUs Cooling

### LS122HE (H/P Model)

**C** 11,500 BTUs Cooling

**H** 11,500 BTUs Heating



## FEATURES:

- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation

- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 0°F (cooling mode)

- Ultra-quiet operation
  - Evaporator frost control
- Interior Unit Includes:**
- Wall unit
  - Installation plate & hardware
  - Remote control, batteries, holder & holder hardware

- Installation manual

### Exterior Unit Includes:

- Exterior unit
  - Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)
- MEA #: 316-06-E

System Model #	LS122CE	LS122HE
Indoor Model #	LSN122CE	LSN122HE
Outdoor Model #	LSU122CE	LSU122HE
<b>Performance</b>		
Capacity (BTUs)	<b>C</b> 11,500	<b>C</b> 11,500 <b>H</b> 11,500
SEER	13	13
Air Circulation (CFM H/M/L)	330/280/230	330/280/230
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	3.0	3.0
Indoor dB(A)*	41/36/34	41/36/34
Outdoor dB(A)*	48	48
<b>Electrical</b>		
Rated Voltage Outdoor	115-1-60	115-1-60
Rated Voltage Indoor	36V DC	36V DC
<b>Indoor Dimensions</b>		
W x H x D (inches)	35 3/16 x 11 5/8 x 6 1/2	35 3/16 x 11 5/8 x 6 1/2
Weight (lbs.)	20.5	20.5
<b>Outdoor Dimensions</b>		
W x H x D (inches)	30 5/16 x 21 5/16 x 9 5/8	30 5/16 x 21 5/16 x 9 5/8
Weight (lbs.)	72.8	72.8
<b>Thermostat Range</b>		
Cooling / Heating (°F)	64-86	64-86/60-86

\*LG verified sound ratings

# HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

## 18,000 BTUs

**LS182CE** (A/C Model)

**C** 18,000 BTUs Cooling

**LS182HE** (H/P Model)

**C** 19,500 BTUs Cooling

**H** 19,500 BTUs Heating



### FEATURES:

- Multi Power System™
- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)

- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer

- Ultra-quiet operation
- Evaporator frost control

#### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

#### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

MEA #: 316-06-E

System Model #	LS182CE	LS182HE
Indoor Model #	LSN182CE	LSN182HE
Outdoor Model #	LSU182CE	LSU182HE

#### Performance

Capacity (BTUs)	<b>C</b> 18,000/17,800	<b>C</b> 19,500/19,000 <b>H</b> 19,500/19,000
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SEER	13	13
Air Circulation (CFM H/M/L)	460/380/320	530/450/370
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	5.3	6.6
Indoor dB(A)*	41/38/36	46/41/38
Outdoor dB(A)*	55	57

#### Electrical

Rated Voltage Outdoor	230/208-60-1	230/208-60-1
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Rated Voltage Indoor	36V DC	36V DC
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Indoor Dimensions	LS182CE	LS182HE
W x H x D (inches)	42 15/16 x 11 13/16 x 7 1/32	42 15/16 x 11 13/16 x 7 1/32

Weight (lbs.)	28.6	28.6
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Outdoor Dimensions	LS182CE	LS182HE
W x H x D (inches)	34 5/16 x 25 13/16 x 12 5/8	34 5/16 x 31 1/2 x 12 5/8

Weight (lbs.)	149.9	169.6
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#### Thermostat Range

Cooling / Heating (°F)	64-86	64-86/60-86
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\*LG verified sound ratings

Warranty: 2 years parts; 5 years compressor.

See page 18 for electrical specifications, refrigerant line requirements & formulas. See page 19 for installation materials.



# HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE

## 24,000 BTUs

**LS242CE** (A/C Model)  
 C 22,500 BTUs Cooling

**LS242HE** (H/P Model)  
 C 22,500 BTUs Cooling  
 H 22,500 BTUs Heating



### FEATURES:

- Multi Power System™
- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-corrosion
- Dehumidifying mode
- Chaos Swing
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)

- Fan mode
- Auto operation
- Manual power switch
- Defrost control (H/P model only)
- Temperature display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer

- Ultra-quiet operation
  - Evaporator frost control
- Interior Unit Includes:**
- Wall unit
  - Installation plate & hardware
  - Remote control, batteries, holder & holder hardware
  - Installation manual

- Exterior Unit Includes:**
- Exterior unit
  - Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)
- MEA #: 316-06-E

System Model #	LS242CE	LS242HE
Indoor Model #	LSN242CE	LSN242HE
Outdoor Model #	LSU242CE	LSU242HE

### Performance

Capacity (BTUs)	C 22,500/22,100	C 22,500/22,100 H 22,500/22,100
SEER	13	13
Air Circulation (CFM H/M/L)	530/450/370	530/450/370
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hr)	6.6	6.6
Indoor dB(A)*	46/41/38	46/41/38
Outdoor dB(A)*	57	57

### Electrical

Rated Voltage Outdoor	230/208-60-1	230/208-60-1
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Rated Voltage Indoor	36V DC	36V DC
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Indoor Dimensions	LS242CE	LS242HE
W x H x D (inches)	42 15/16 x 11 13/16 x 7 1/32	42 15/16 x 11 13/16 x 7 1/32

Weight (lbs.)	28.6	28.6
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Outdoor Dimensions	LS242CE	LS242HE
W x H x D (inches)	34 5/16 x 31 1/2 x 12 5/8	34 5/16 x 31 1/2 x 12 5/8

Weight (lbs.)	169.6	169.6
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### Thermostat Range

Cooling / Heating (°F)	64-86	64-86/60-86
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\*LG verified sound ratings

# HIGH WALL DUCT-FREE • MINI-SPLIT STANDARD SINGLE ZONE • INVERTER

## 30,000 BTUs

**LS305HV** (H/P Model)

- C** 27,000 BTUs Cooling
- H** 29,000 BTUs Heating



### FEATURES:

- Inverter
- R-410A Refrigerant
- Plasma air purifying system
- Gold Fin™ Anti-Corrosion
- Chaos Swing
- Self-cleaning indoor coil
- Auto changeover
- Jet Cool
- Cooling/Heating/Fan Mode
- Auto sleep mode

- Ultra-quiet operation
- Dehumidifying mode
- Auto restart
- 24-Hour on/off timer
- Built-in low ambient standard, down to 14°F (cooling mode)
- Manual power switch
- Defrost control
- Temperature display on indoor unit

- Evaporator frost control
- Energy Saving

#### Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual

#### Exterior Unit Includes:

- Exterior unit
- Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)

<b>System Model #</b>	<b>LS305HV</b>
Indoor Model #	LSN305HV
Outdoor Model #	LSU305HV
<b>Performance</b>	
Capacity (BTUs)	<b>C</b> 27,000/27,000 <b>H</b> 29,000/29,000
SEER	16
Air Circulation (CFM H/M/L)	710/640/530
Fan Speeds	4/Auto/Chaos
Dehumidification (pts/hr)	7.2
Indoor dB(A)*	47/42/39
Outdoor dB(A)*	58
<b>Electrical</b>	
Rated Voltage Outdoor	230/208-60-1
Rated Voltage Indoor	230/208-60-1
<b>Indoor Dimensions</b>	
W x H x D (inches)	47 3/5 x 13 3/5 x 8 1/4
Weight (lbs.)	37.5
<b>Outdoor Dimensions</b>	
W x H x D (inches)	34 1/4 x 31 1/4 x 12 3/5
Weight (lbs.)	147.7
<b>Thermostat Range</b>	
Cooling / Heating (°F)	64-86 /60-86

\*LG verified sound ratings

# MINI-SPLIT STANDARD SINGLE ZONE

## ELECTRICAL & REFRIGERATION • QUICK REFERENCE

Electrical									
Type	System	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**	
				Indoor	Outdoor				
Mini-Split	A/C	Ⓒ	LS092CE	9,000	36V DC	115	7.0	15	15
Standard	A/C	Ⓒ	LS122CE	11,500	36V DC	115	10.5	15	20
Single Zone	A/C	Ⓒ	LS182CE	18,000	36V DC	230/208	8.6/9.5	15	20
	A/C	Ⓒ	LS242CE	22,500	36V DC	230/208	11.5/12.5	20	30
	H/P	Ⓒ Ⓓ	LS092HE	9,800	36V DC	115	10.5	15	20
	H/P	Ⓒ Ⓓ	LS122HE	11,500	36V DC	115	10.5	15	20
	H/P	Ⓒ Ⓓ	LS182HE	19,500	36V DC	230/208	11.5/12.5	20	30
	H/P	Ⓒ Ⓓ	LS242HE	22,500	36V DC	230/208	11.5/12.5	20	30
	H/P	Ⓒ Ⓓ	LS305HV	27,000/ 29,000	230/208	230/208	13.6/14.0	20	30

All equipment single phase.

NOTE: Please see local electrical codes for proper wire specifications.

\*Minimum Circuit Ampacity; \*\*Maximum Overcurrent Protection; \*\*\*For LS182HE, LS242CE/HE

Wire Size	
Minimum wiring requirements suggested by manufacturer.	
Minimum AWG	14-3
	12-3***
Indoor/Outdoor Connecting Cable Minimum AWG	18-4

Refrigerant Line & Formula Specifications <sup>†</sup>									
Type	System	Model	BTUs	Pipe Size		Additional Refrigerant	Max. length each pipe	Max. elevation	
				Liquid	Suction				
Mini-Split	A/C	Ⓒ	LS092CE	9,000	1/4"	3/8"	0.22 oz./ft.	50'	25'
Standard	A/C	Ⓒ	LS122CE	11,500	1/4"	1/2"	0.22 oz./ft.	50'	25'
Single Zone	A/C	Ⓒ	LS182CE	18,000	1/4"	1/2"	0.22 oz./ft.	100'	50'
	A/C	Ⓒ	LS242CE	22,500	1/4"	5/8"	0.22 oz./ft.	100'	50'
	H/P	Ⓒ Ⓓ	LS092HE	9,800	1/4"	1/2"	0.22 oz./ft.	50'	25'
	H/P	Ⓒ Ⓓ	LS122HE	11,500	1/4"	1/2"	0.22 oz./ft.	50'	25'
	H/P	Ⓒ Ⓓ	LS182HE	19,500	1/4"	5/8"	0.22 oz./ft.	100'	50'
	H/P	Ⓒ Ⓓ	LS242HE	22,500	1/4"	5/8"	0.22 oz./ft.	100'	50'
	H/P	Ⓒ Ⓓ	LS305HV	27,000/ 29,000	1/4"	5/8"	0.22 oz./ft.	100'	50'

<sup>†</sup>Each system is pre-charged with enough refrigerant to charge 25 ft. of line and the interior unit.

NOTE: Systems having the outdoor unit mounted above the indoor unit (e.g. basement installations) have the following additional requirement: For systems with elevation of 25 ft. (see chart above and figure A), refrigerant lines must be oil trapped between 8 ft. and 16.4 ft. of elevation. For systems with elevation of greater than 25 ft. (see chart above), refrigerant lines must be oil trapped at least every 16.4 ft. of elevation.

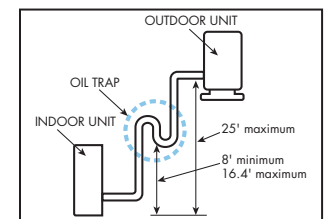


Figure A: Example of 25 ft. maximum elevation.



## DUCT-FREE AIR CONDITIONERS

### LG INTERNET SALES POLICY

## Duct-Free Air Conditioning Products

LG's expressed Duct-Free Air Conditioning warranty policy applies only to products sold and installed by qualified air conditioning contractors.

Because products sold via the Internet cannot be assured of a quality installation by a qualified air conditioning contractor, LG's expressed warranty may not apply to internet sales.

LG supports and recommends that a qualified air conditioning contractor properly size and install all LG Duct-Free Air Conditioning products for optimal performance and long life.

## FOR THE HVAC PROFESSIONAL

### INSTALLATION • MATERIALS

#### Don't forget to **BUY**...

- Mounting screws and anchors (wall mount and ceiling cassette)
- Optional condensate pump (interior wall installation only)
- 1/2" condensate drain tubing
- Hose clamps
- Refrigerant line
- Correct electrical wire to connect indoor and outdoor units based on the LG model chosen (see electrical specifications) and local electrical code requirements
- Closed cell insulating tubing for liquid and suction lines
- Electrical tape
- Condenser mounting pad
- Disconnect and wiring for condenser unit
- Plastic duct and installation hardware to conceal connecting tubing on exterior walls
- Anchor bolts (optional for floor standing)

#### Don't forget to **BRING**...

- Level gauge
- 2 3/4" hole core drill
- Flaring tool set
- Gas leak detector
- Vacuum pump
- Gauge manifold
- Micron gauge
- R-410A Service Port Adapter

## REMEMBER THESE

### OTHER INSTALLATION ITEMS TO CONSIDER



Low Ambient Wiring Kit  
#ICM 326H



Low Voltage Condensate Pump.  
\*24V Condensate Pumps available from Aspen Pumps by calling 732-248-8066

\*LG is not responsible for improper installation.



Wireless Wall Thermostat for Duct Free Systems  
Part # DFSWLWT0A

See page 36 for more details



Recommended source for 18/4 Stranded Shielded Wire required for LG's Duct-Free units (to order call 800-322-3660)