

HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

9,000 BTUs / 12,000 BTUs



Inverter



LA090HSV (H/P Model)

- C** 9,000 BTUs Cooling
- H** 10,800 BTUs Heating

LA120HSV (H/P Model)

- C** 11,200 BTUs Cooling
- H** 13,300 BTUs Heating

FEATURES:

- | | | | |
|--|---|--|--|
| <ul style="list-style-type: none"> • Inverter (Variable speed compressor) • Energy saving • R410a Refrigerant • Gold Fin™ Anti-corrosion • Self-cleaning indoor coil • Cooling/Heating/Fan mode • Jet cool/Jet heat • Chaos Wind • 4-Way Auto Swing | <ul style="list-style-type: none"> • Ultra quiet operation • Sleep mode • Dehumidifying mode • Auto restart • Auto Changeover • Built-in low ambient standard, down to 14°F (cooling mode) • 24-Hour on/off timer • Plasma air purifying system | <p>Interior Unit Includes:</p> <ul style="list-style-type: none"> • Wall unit • Installation plate & hardware • Remote control, batteries, holder & holder hardware • Installation manual • Accessory -Model#:PQRCVSL0(QW)
(Wired Wall Thermostat) | <p>Exterior Unit Includes:</p> <ul style="list-style-type: none"> • Exterior unit • Exterior unit has sufficient refrigerant for charging indoor coil and a 41' line set (line set not included) |
|--|---|--|--|

Available from Apr, 2011

* Specification can be changed without notification

System Model #	LA090HSV	LA120HSV
Indoor Model #	LAN090HSV	LAN120HSV
Outdoor Model #	LAU090HSV	LAU120HSV
Performance		
Capacity (BTUs)	C 9,000 H 10,800	C 11,200 H 13,300
EER	13.3	12.5
SEER	20	20
HSPF	11.0	11
Air Circulation (CFM H/M/L)	350/280/210	350/280/210
Fan Speeds	7/Auto/Chaos	7/Auto/Chaos
Dehumidification (pts/hr)	2.6	3.0
Indoor dB(A)*	38/33/24/19	39/33/24/19
Outdoor dB(A)*	45	45
Electrical		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208-60-1	230/208-60-1
Indoor Dimensions		
W x H x D (inches)	34 13/16 x 11 1/4 x 8 1/16	34 13/16 x 11 1/4 x 8 1/16
Weight (lbs.)	24.3	24.3
Outdoor Dimensions		
W x H x D (inches)	30 5/16 x 21 7/16 x 11 5/16	30 5/16 x 21 7/16 x 11 5/16
Weight (lbs.)	77.2	77.2
Thermostat Range		
Cooling / Heating (°F)	64-86/60-86	64-86/60-86

*LG verified sound ratings

Warranty: 3 years parts; 5 years compressor.

See page 17 for electrical specifications, refrigerant line requirements & formulas. See page 25 for installation materials.



HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

18,000 BTUs / 24,000 BTUs

- LA180HSV (H/P Model)**
- C** 18,200 BTUs Cooling
 - H** 22,000 BTUs Heating

- LA240HSV (H/P Model)**
- C** 22,000 BTUs Cooling
 - H** 27,600 BTUs Heating

* Energy Star / Eligible For Tax Benefit is only eligible for LA180HSV, not LA240HSV



FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Gold Fin™ Anti-corrosion
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Wind
- 4-Way Auto Swing

- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14°F (cooling mode)
- 24-Hour on/off timer
- Plasma air purifying system

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Accessory
- Model#:PQRCVSL0(QW)
- (Wired Wall Thermostat)

Exterior Unit Includes:

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

Available from Apr, 2011

* Specification can be changed without notification

System Model #	LA180HSV	LA240HSV
Indoor Model #	LAN180HSV	LAN240HSV
Outdoor Model #	LAU180HSV	LAU240HSV
Performance		
Capacity (BTUs)	C 18,200 H 22,000	C 22,000 H 27,600
EER	12.6	10.8
SEER	20.5	20.0
HSPF	9.7	10.0
Air Circulation (CFM H/M/L)	600/510/420	600/510/420
Fan Speeds	7/Auto/Chaos	7/Auto/Chaos
Dehumidification (pts/hr)	5.5	5.5
Indoor dB(A)*	45/40/35	45/40/35
Outdoor dB(A)*	53	53
Electrical		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208-60-1	230/208-60-1
Indoor Dimensions		
W x H x D (inches)	40 9/16 x 12 13/16 x 9 7/8	40 9/16 x 12 13/16 x 9 7/8
Weight (lbs.)	37.5	37.5
Outdoor Dimensions		
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.)	132.3	132.3
Thermostat Range		
Cooling / Heating (°F)	64-86/60-86	64-86/60-86

*LG verified sound ratings



HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

9,000 BTUs

LS091HSV (H/P Model)

- C** 9,000 BTUs Cooling
- H** 10,800 BTUs Heating



Inverter



FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Gold Fin™ Anti-corrosion
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Wind
- 4-Way Auto Swing

- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14°F (cooling mode)
- 24-Hour on/off timer
- Plasma air purifying system

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Accessory
- Model#:PQRCVSL0(QW)
(Wired Wall Thermostat)

Exterior Unit Includes:

- Exterior unit
 - Exterior unit has sufficient refrigerant for charging indoor coil and a 41' line set (line set not included)
- ETL# : 3091879

System Model

LS091HSV

Indoor Model #

LSN091HSV

Outdoor Model #

LSU091HSV

Performance

Capacity (BTUs)

- C** 9,000
- H** 10,800

EER

13.3

SEER

20

HSPF

11.0

Air Circulation (CFM H/M/L)

350/280/210

Fan Speeds

7/Auto/Chaos

Dehumidification (pts/hr)

2.6

Indoor dB(A)*

38/33/24/19

Outdoor dB(A)*

45

Electrical

Rated Voltage Outdoor

230/208-60-1

Rated Voltage Indoor

230/208-60-1

Indoor Dimensions

34 13/16 x

W x H x D (inches)

11 1/4 x

8 1/4

Weight (lbs.)

24.3

Outdoor Dimensions

30 5/16 x

W x H x D (inches)

21 7/16 x

11 5/16

Weight (lbs.)

77.2

Thermostat Range

Cooling / Heating (°F)

64-86/60-86

*LG verified sound ratings

HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

12,000 BTUs / 16,000 BTUs



- LS121HSV (H/P Model)**
- C** 11,200 BTUs Cooling
 - H** 13,300 BTUs Heating

- LS161HSV* (H/P Model)**
- C** 16,300 BTUs Cooling
 - H** 20,200 BTUs Heating

FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Gold Fin™ Anti-corrosion
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Wind
- 4-Way Auto Swing

- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14°F (cooling mode)
- 24-Hour on/off timer
- Plasma air purifying system

- Interior Unit Includes:**
- Wall unit
 - Installation plate & hardware
 - Remote control, batteries, holder & holder hardware
 - Installation manual
 - Accessory
 - Model#:PQRCVSL0(QW)
 - (Wired Wall Thermostat)

- Exterior Unit Includes:**
- Exterior unit
 - Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)
- ETL# : 3091879

* This model will be discontinued.

Before you issue purchase order, please contact LG sales team to verify inventory status

System Model #	LS121HSV	LS161HSV*
Indoor Model #	LSN121HSV	LSN161HSV
Outdoor Model #	LSU121HSV	LSU161HSV
Performance		
Capacity (BTUs)	C 11,200 H 13,300	C 16,300 H 20,200
EER	12.5	12.5
SEER	20	19
HSPF	11.3	9.7
Air Circulation (CFM H/M/L)	350/280/210	530/470/400
Fan Speeds	7/Auto/Chaos	7/Auto/Chaos
Dehumidification (pts/hr)	3.0	4.0
Indoor dB(A)*	39/33/24/19	42/38/34
Outdoor dB(A)*	45	51
Electrical		
Rated Voltage Outdoor	230/208-60-1	230/208-60-1
Rated Voltage Indoor	230/208-60-1	230/208-60-1
Indoor Dimensions		
W x H x D (inches)	34 13/16 x 11 1/4 x 8 1/4	40 1/2 x 12 3/4 x 9 7/8
Weight (lbs.)	24.3	37.5
Outdoor Dimensions		
W x H x D (inches)	30 5/16 x 21 7/16 x 11 5/16	34 5/16 x 25 13/16 x 12 5/8
Weight (lbs.)	77.2	101.4
Thermostat Range		
Cooling / Heating (°F)	64-86/60-86	64-86/60-86

*LG verified sound ratings



HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

18,000 BTUs

LS181HSV (H/P Model)

- C** 18,200 BTUs Cooling
- H** 22,000 BTUs Heating



Inverter



FEATURES:

- Inverter (Variable speed compressor)
- Energy saving
- R410a Refrigerant
- Gold Fin™ Anti-corrosion
- Self-cleaning indoor coil
- Cooling/Heating/Fan mode
- Jet cool/Jet heat
- Chaos Wind
- 4-Way Auto Swing

- Ultra quiet operation
- Sleep mode
- Dehumidifying mode
- Auto restart
- Auto Changeover
- Built-in low ambient standard, down to 14°F (cooling mode)
- 24-Hour on/off timer
- Plasma air purifying system

Interior Unit Includes:

- Wall unit
- Installation plate & hardware
- Remote control, batteries, holder & holder hardware
- Installation manual
- Accessory
- Model#:PQRCVSL0(QW)
(Wired Wall Thermostat)

Exterior Unit Includes:

- Exterior unit
 - Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included)
- ETL# : 3091879

System Model

LS181HSV

Indoor Model #

LSN181HSV

Outdoor Model #

LSU181HSV

Performance

Capacity (BTUs)



18,200
22,000

EER

12.6

SEER

18.2

HSPF

9.7

Air Circulation (CFM H/M/L)

600/510/420

Fan Speeds

7/Auto/Chaos

Dehumidification (pts/hr)

5.5

Indoor dB(A)*

45/40/35

Outdoor dB(A)*

53

Electrical

Rated Voltage Outdoor

230/208-60-1

Rated Voltage Indoor

230/208-60-1

Indoor Dimensions

40 9/16 x

W x H x D (inches)

12 13/16 x
9 7/8

Weight (lbs.)

37.5

Outdoor Dimensions

34 5/16 x

W x H x D (inches)

31 1/2 x
12 5/8

Weight (lbs.)

132.3

Thermostat Range

Cooling / Heating (°F)

64-86/60-86

*LG verified sound ratings

Warranty: 2 years parts; 5 years compressor.

See page 17 for electrical specifications, refrigerant line requirements & formulas. See page 25 for installation materials.



HIGH WALL DUCT-FREE • MINI-SPLIT HIGH EFFICIENCY SINGLE ZONE

24,000BTUs



LS240HSV (H/P Model)

- C** 22,000 BTUs Cooling
- H** 27,600 BTUs Heating



FEATURES:

- | | | | |
|--|--|---|---|
| <ul style="list-style-type: none"> • Inverter (Variable speed compressor) • Energy saving • R410a Refrigerant • Gold Fin™ Anti-corrosion • Self-cleaning indoor coil • Cooling/Heating/Fan mode • Jet cool/Jet heat • Chaos Wind • 4-Way Auto Swing | <ul style="list-style-type: none"> • Sleep mode • Dehumidifying mode • Auto restart • Auto Changeover • Built-in low ambient standard, down to 14°F (cooling mode) • 24-Hour on/off timer • Plasma air purifying system | <p>Interior Unit Includes:</p> <ul style="list-style-type: none"> • Wall unit • Installation plate & hardware • Remote control, batteries, holder & holder hardware • Installation manual • Accessory <p>-Model#:PQRCVSL0(QW)
(Wired Wall Thermostat)</p> | <p>Exterior Unit Includes:</p> <ul style="list-style-type: none"> • Exterior unit • Exterior unit has sufficient refrigerant for charging indoor coil and a 25' line set (line set not included) <p>ETL# : 3091879</p> |
|--|--|---|---|

System Model # **LS240HSV**

Indoor Model #	LSN240HSV
Outdoor Model #	LSU240HSV

Performance

Capacity (BTUs)	C 22,000
	H 27,600

EER	12.5
SEER	18.9
HSPF	10.2
Air Circulation (CFM H/M/L)	700/570/450
Fan Speeds	5/Auto/Chaos
Dehumidification (pts/hr)	6.0
Indoor dB(A)*	46/43/39
Outdoor dB(A)*	54

Electrical

Rated Voltage Outdoor	230/208-60-1
Rated Voltage Indoor	230/208-60-1

Indoor Dimensions

W x H x D (inches)	47 5/8 x
	13 5/8 x
	8 1/16

Weight (lbs.)	39.7
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Outdoor Dimensions

W x H x D (inches)	34 5/16 x
	31 1/2 x
	12 5/8

Weight (lbs.)	132.3
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Thermostat Range

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



Accessory

Wired Wall Thermostat for Single Zone Inverter.
(Applicable to LS307HV, LS360HV and LxxxxHSV models only)



PQRCSL0



PQRCSL0QW

HIGH EFFICIENCY SINGLE ZONE • INVERTER

ELECTRICAL & REFRIGERATION • QUICK REFERENCE

Electrical Specifications									
Zone	Type	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**	
				Indoor	Outdoor				
High Efficiency Art Cool Single-Zone	H/P		LA090HSV	9,000	230/208	230/208	6.2/7.4	8.2	15
	H/P		LA120HSV	11,200	230/208	230/208	6.2/7.4	8.2	15
	H/P		LA180HSV	18,200	230/208	230/208	17.8/17.8	16.4	25
	H/P		LA240HSV	22,000	230/208	230/208	17.8/17.8	16.4	25
High Efficiency Wall mounted Inverter	H/P		LS091HSV	9,000	230/208	230/208	6.2/7.4	8.2	15
	H/P		LS121HSV	11,200	230/208	230/208	6.2/7.4	8.2	15
	H/P		LS161HSV	16,300	230/208	230/208	9.2/9.7	12.4	20
	H/P		LS181HSV	18,200	230/208	230/208	17.8/17.8	16.4	25
	H/P		LS240HSV	22,000	230/208	230/208	17.8/17.8	16.8	25

All equipment single phase.

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

*Minimum Circuit Ampacity

**Maximum Overcurrent Protection

Refrigerant Line Specifications***									
Zone	Type	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation	
				Liquid	Suction				
High Efficiency Art Cool Single-Zone	H/P		LA090HSV	9,000	1/4"	3/8"	0.22 oz./ft.	65'	32'
	H/P		LA120HSV	11,200	1/4"	3/8"	0.22 oz./ft.	65'	32'
	H/P		LA180HSV	18,200	3/8"	5/8"	0.38 oz./ft.	98'	49'
	H/P		LA240HSV	22,000	3/8"	5/8"	0.38 oz./ft.	98'	49'
High Efficiency Wall mounted Inverter	H/P		LS091HSV	9,000	1/4"	3/8"	0.22 oz./ft.	65'	32'
	H/P		LS121HSV	11,200	1/4"	3/8"	0.22 oz./ft.	65'	32'
	H/P		LS161HSV	16,300	1/4"	1/2"	0.22 oz./ft.	65'	49'
	H/P		LS181HSV	18,200	3/8"	5/8"	0.38 oz./ft.	98'	49'
	H/P		LS240HSV	22,000	3/8"	5/8"	0.38 oz./ft.	98'	49'

***Each system is pre-charged with enough refrigerant to charge 25 ft. (41 ft. for LA090HSV, LA120HSV, LS091HSV and LS121HSV) of line and the interior unit.

Please choose a proper wire size based on local and state code