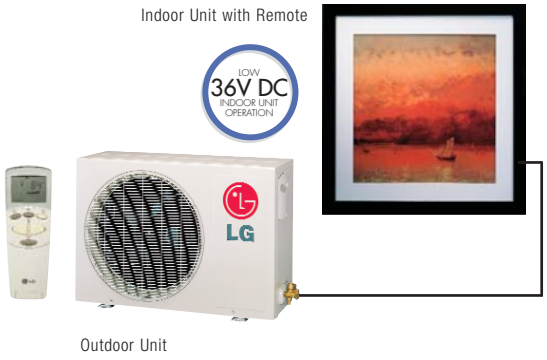
ART COOL™

ART COOL MINI-SPLIT SINGLE ZONE

Customized good looks

The slim, contemporary styling of the Art Cool™ models will appeal to today's discerning customer. The 9,000 and 12,000 BTU picture models come with a frame that allows the customer to modify and personalize the unit with their own artwork or photography – the ultimate in custom design. Other indoor units are available in popular finishes and colors to compliment any décor.

Ductless Mini-Split Air conditioning Systems from LG maximize the efficiency and economics of ductless technology. Now you can bring more attractive, cost effective solutions to your commercial and residential customers, providing single zone systems in both air conditioning and heat pump models.



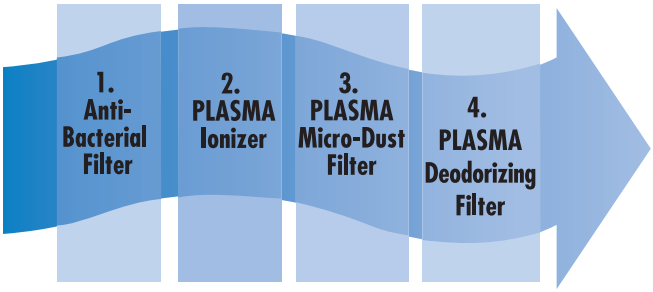
Available styles and finishes

Mini-Split
ARTCOOL™ Indoor Unit
Customizable Art Panel

Mini-Split
ARTCOOL™ Indoor Unit
Mirror Finish

Mini-Split
ARTCOOL™ Indoor Unit
Metal Finish

Neo Plasma



Outstanding air purification

The wall unit features LG's Neo Plasma Air Purifying System that provides excellent indoor air quality. Freshen the air anytime, whether cooling a room or operating in fan only mode.

9,000 BTUs

LA090CP (A/C Model)
- C 9,000 BTUs **Cooling**

LA090HP (H/P Model)
- C 9,000 BTUs **Cooling**
- H 9,000 BTUs **Heating**

12,000 BTUs

LA120CP(A/C Model)
- C 12,000 BTUs **Cooling**

LA120HP (H/P Model)
- C 12,000 BTUs **Cooling**
- H 12,000 BTUs **Heating**

Features:
- Customizable art panel
- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Self-cleaning indoor coil
- Dehumidifying mode
- Chaos Swing
- Three-way cooling
- Jet Cool
- Cooling mode
- Heating mode (H/P model only)
- Fan mode
- Auto operation
- Manual power switch
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- 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

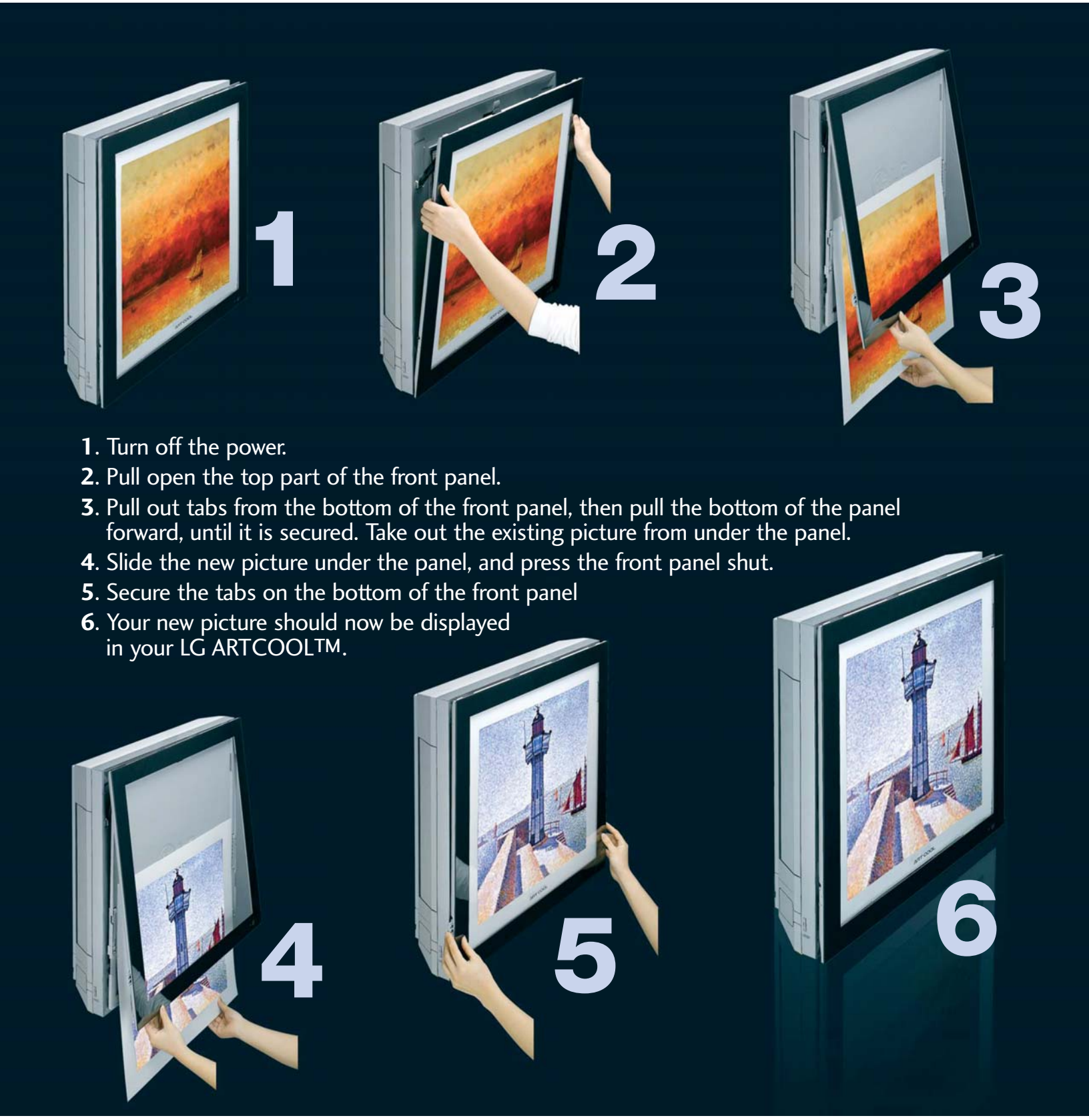
System Model #	**LA090CP**	**LA090HP**	**LA120CP**	**LA120HP**
Indoor Model #	LA090CPI	LA090HPI	LAN120CPI	LAN120HPI
Outdoor Model #	LA090CPO	LA090CPO	LAU120CPO	LAU120HPO
Performance				
Capacity (BTUs)	C 9,000	C 9,000 H 9,000	C 12,000	C 12,000 H 12,000
SEER	13	13	13	13
Air Circulation (CFM H/M/L)	283/230/177	283/230/177	330/261/194	330/261/194
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hour)	2.6	2.6	3.0	3.0
Indoor dB(A)*	35/30/25	35/30/25	41/35/29	41/35/29
Outdoor dB(A)*	48	48	48	48
Electrical				
Rated Voltage Outdoor	115-60-1	115-60-1	115-60-1	115-60-1
Rated Voltage Indoor	36V DC	36V DC	36V DC	36V DC
Indoor Dimensions	23 5/8 x	23 5/8 x	23 5/8 x	23 5/8 x
W x H x D (inches)	23 5/8 x	23 5/8 x	23 5/8 x	23 5/8 x
	5 3/4	5 3/4	5 3/4	5 3/4
Weight (lbs.)	30.9	30.9	30.9	30.9
Outdoor Dimensions	30 5/16 x	30 5/16 x	30 5/16 x	30 5/16 x
W x H x D (inches)	21 5/16 x	21 5/16 x	21 5/16 x	21 5/16 x
	9 5/8	9 5/8	9 5/8	9 5/8
Weight (lbs.)	66.1	66.1	70.5	70.5
Thermostat Range				
Cooling / Heating (°F)	64-86	64-86/60-86	64-86	64-86/60-86

*LG verified sound ratings

Warranty: 2 years parts and labour; 5 years compressor.
See page 10 for electrical specifications, refrigerant line requirements & formulas.

LG Life's Good

How to replace the picture in your customizable ARTCOOL™ air conditioning unit:



1. Turn off the power.
2. Pull open the top part of the front panel.
3. Pull out tabs from the bottom of the front panel, then pull the bottom of the panel forward, until it is secured. Take out the existing picture from under the panel.
4. Slide the new picture under the panel, and press the front panel shut.
5. Secure the tabs on the bottom of the front panel
6. Your new picture should now be displayed in your LG ARTCOOL™.

12,000 BTUs

LA121CPM (A/C Model)
C 11,500 BTUs **Cooling**

LA121HPM (H/P Model)
C 11,500 BTUs **Cooling**
H 11,500 BTUs **Heating**

Features:
- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Self cleaning indoor coil
- 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)
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- Evaporator frost control
- Ultra-quiet operation

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

System Model #	**LA121CPM**	**LA121CPM**
Indoor Model #	LAN121CPMI	LAN121CPMI
Outdoor Model #	LAU121CPM0	LAU121CPM0
Performance		
Capacity (BTUs)	C 11,500	C 11,500 H 11,500
SEER	13	13
Air Circulation (CFM H/M/L)	330/261/194	330/261/194
Fan Speeds	4/Auto/Chaos	4/Auto/Chaos
Dehumidification (pts/hour)	3.0	3.0
Indoor dB(A)*	41/38/34	41/38/34
Outdoor dB(A)*	48	48
Electrical		
Rated Voltage Outdoor	115-60-1	115-60-1
Rated Voltage Indoor	36V DC	36V DC
Indoor Dimensions	36 x	36 x
W x H x D (inches)	11 3/32 x 6 1/2	11 3/32 x 6 1/2
Weight (lbs.)	20.5	20.5
Outdoor Dimensions	30 5/16 x	30 5/16 x
W x H x D (inches)	21 5/16 x 9 5/8	21 5/16 x 9 5/8
Weight (lbs.)	70.5	70.5
Thermostat Range		
Cooling / Heating (°F)	64-86	64-86/60-86

*LG verified sound ratings

Warranty: 2 years parts and labour; 5 years compressor.
See page 10 for electrical specifications, refrigerant line requirements & formulas.

LG Life's Good

18,000 BTUs

LA180CP (A/C Model)

C 18,000 BTUs **Cooling**

Features:
- Multi Power System™
- R-410A Refrigerant
- Neo Plasma Air Purifying System
- Self cleaning indoor coil
- Dehumidifying mode
- Chaos Swing
- Three-way cooling
- Jet Cool
- Cooling mode
- Fan mode
- Auto operation
- Manual power switch
- Temp. display on indoor unit
- Auto sleep mode
- Auto restart
- 24-Hour on/off timer
- 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

System Model #	**LA180CP**
Indoor Model #	LAN180CPI
Outdoor Model #	LAU180CPO
Performance	
Capacity (BTUs)	C 18,000/17,800
SEER	13
Air Circulation (CFM H/M/L)	460/353/247
Fan Speeds	4/Auto/Chaos
Dehumidification (pts/hour)	5.3
Indoor dB(A)*	44/40/36
Outdoor dB(A)*	55
Electrical	
Rated Voltage Outdoor	230/208-60-1
Rated Voltage Indoor	36V DC
Indoor Dimensions	36 1/2 x
W x H x D (inches)	20 19/32 x
	5 25/32
Weight (lbs.)	37.5
Outdoor Dimensions	34 5/16 x
W x H x D (inches)	25 13/16 x
	12 5/8
Weight (lbs.)	149.9
Thermostat Range	
Cooling / Heating (°F)	64-86

*LG verified sound ratings

Warranty: 2 years parts and labour; 5 years compressor.

See page 10 for electrical specifications, refrigerant line requirements & formulas.

Electrical Specifications

ARTCOOL ™	Type	Model	BTUs	Voltage		Rated Amps	MCA*	MOP**
				Indoor	Outdoor			
Single Zone	A/C	LA090CP	9,000	36V DC	115	7.2	15	15
	A/C	LA120CP	12,000	36V DC	115	9.3	15	20
	A/C	LA121CPM	11,500	36V DC	115	10.5	15	20
	A/C	LA180CP	18,000	36V DC	230/208	9.8	15	20
	H/P	LA090HP	9,000	36V DC	115	7.2	15	20
	H/P	LA120HP	12,000	36V DC	115	9.3	15	20
	H/P	LA121HPM	11,500	36V DC	115	10.5	15	20

All equipment single phase.

***Minimum Circuit Ampacity**
****Maximum Overcurrent Protection**

NOTE: Recommend shielded cable for low voltage wiring.
Please see local electrical codes for proper wire specifications.

Wire Size	
Minimum AWG	14-3
Indoor/Outdoor Connecting Cable Shielded	18-4

Refrigerant Line Specifications***

ARTCOOL ™	Type	Model	BTUs	Pipe Size		Additional Refrigerant	Max. Pipe Length	Max. Elevation
				Liquid	Suction			
Single Zone	A/C	LA090CP	9,000	1/4"	3/8"	0.21 oz./ft.	50'	25'
	A/C	LA120CP	12,000	1/4"	1/2"	0.21 oz./ft.	50'	25'
	A/C	LA121CPM	11,500	1/4"	1/2"	0.21 oz./ft.	50'	25'
	A/C	LA180CP	18,000	1/4"	1/2"	0.21 oz./ft.	100'	50'
	H/P	LA090HP	9,000	1/4"	3/8"	0.21 oz./ft.	50'	25'
	H/P	LA120HP	12,000	1/4"	1/2 "	0.21 oz./ft.	50'	25'
	H/P	LA121HP	11,500	1/4"	1/2 "	0.21 oz./ft.	50'	25'

***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 maximum elevation of 25 ft. (see Figure A), refrigerant lines must be oil trapped between 8 ft. and 12 ft. of elevation.
For systems with elevation of greater than 25 ft. Refrigerant lines must be oil trapped at least every 12 ft. of elevation.

* Each system should have a 6-8 inch inverted trap at the condensing unit if mounted above indoor unit.

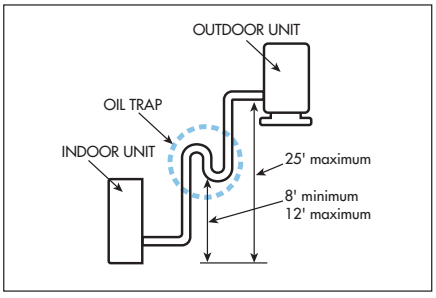


Figure A.
Example: 25 ft. maximum elevation.