

# Home Comfort

## FRS123LS1

### Ductless Mini-Split Air Conditioner



FRS123LW1<sup>1</sup> Indoor



FRS123LC1<sup>1</sup> Outdoor

#### Product Dimensions Evaporator (Indoor) Model

Height	11-1/2"
Width	36-1/4"
Depth	8-7/8"

#### Product Dimensions Condenser (Outdoor) Model

Height	23-1/4"
Width	29-15/16"
Depth	11-1/4"

#### More Easy-To-Use Features

##### Energy and Cost Savings

A split system helps avoid the energy losses that normally come with ductwork. This loss can amount to up to 40% due to leaks, tears and long lengths.

##### Multi-Speed Fan

Features three different fan speeds, for more cooling flexibility.

##### Sleep Mode

Quiet operation keeps you cool without keeping you awake. Plus, Sleep Mode gradually increases room temperature after being activated.

##### Quickly Cools

Turbo Mode for that quick cool-down when you first turn it on.

##### Comfort Control Design

Easily control the direction of your cool air, wherever your unit is.

##### Effortless™ Restart

Automatically resumes operating at its previous settings when power is restored to your unit.

##### 24-Hour On/Off Timer

Performance	BTUs
Cool	12,000

<sup>1</sup>Photo may not represent actual model.

## Signature Features

### Effortless™ Temperature Control

Our air conditioners maintain the preset room temperature, so you will remain comfortable at all times.

### Ready-Select® Controls

Easily select options with the touch of a button.

### Remote Control

Allows you to precisely control the temperature and fan speed from across the room.

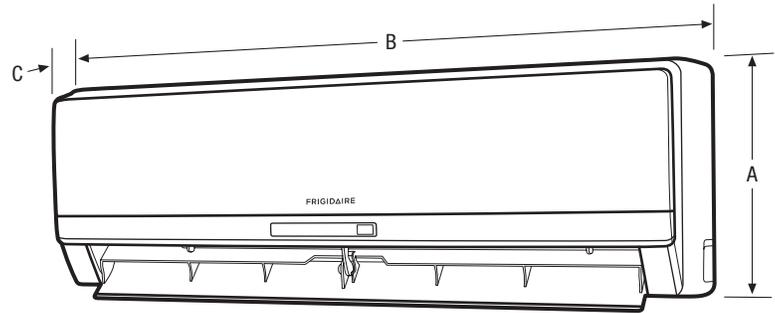
### Effortless™ Clean Filter

Our antimicrobial filter cleans the air, removing harmful bacteria.

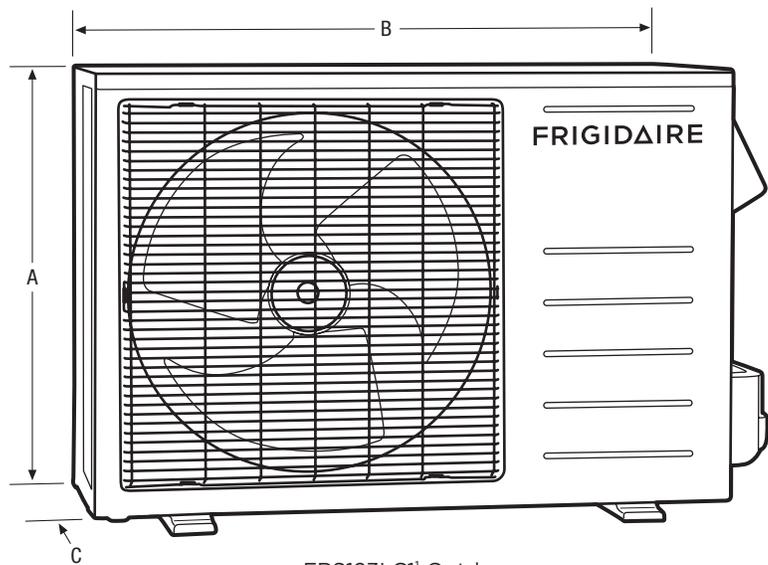
<b>Model Numbers</b>	
System Model Number	FRS123LS1
Indoor Unit Part Number	FRS123LW1
Outdoor Unit Part Number <sup>1</sup>	FRS123LC1
<b>Performance</b>	
BTU (Cool)	12,000
Cooling Area (Sq. Ft.)	640
SEER (Air Conditioner)	13
Inverter Technology	
<b>Electrical</b>	
Volts (Cool) Indoor/Outdoor	DC 35V /115V
Amps (Cool) Indoor/Outdoor	0.9/10
Watts (Cool) Indoor/Outdoor	25/1090
Fuse (Amps) Indoor/Outdoor	3.15/ 20
<b>Features</b>	
Controls	Ready-Select® Controls
Fan Speeds (Cool/Fan)	3/3
Low Voltage Start-Up	Yes
Turbo Fan	Yes
Auto Fan	Yes
Energy Saver	Yes
Sleep Mode	Yes
24-Hour On/Off Timer	Yes
Remote Control	Full-Function
Air CFM (High/Med/Low) Indoor	470/412/370
Air Direction Control (Vert./Horz.)	Yes/Yes
Air Discharge (Full-Width)	Bottom
Filter Type	Antimicrobial Mesh
Filter Access	Slide-Out
Air Direction Control - Horizontal	Manual
Air Direction Control - Vertical	Swing
dB (Indoor) (High/Med/Low)	47/43/40
dB (Outdoor)	56
Warranty <sup>2</sup>	Yes
<b>Included Accessories</b>	
Drain Kit (Outdoor Unit)	Yes
Installation Plate (Indoor Unit)	Yes
Line Set (Indoor Unit)	Yes
Remote Holder (Indoor Unit)	Yes
<b>Certifications</b>	
ENERGY STAR®	
Performance	AHRI
<b>Specifications</b>	
Refrigerant	R410a
Shipping Weight (Approx.) Indoor	33 Lbs.
Shipping Weight (Approx.) Outdoor	86 Lbs.

<sup>1</sup>Includes 16.4 ft. line set.

<sup>2</sup>Warranty 5 year sealed system/1 year full parts and labor.



FRS123LW1<sup>1</sup> Indoor



FRS123LC1<sup>1</sup> Outdoor

NOTE: For planning purposes only. Always consult local and national electric codes. Refer to Product Installation Guide for detailed installation instructions on the web at [frigidaire.com](http://frigidaire.com).



Product Dimensions	
<b>Indoor -</b>	
A - Height	11-1/2"
B - Width	36-1/4"
C - Depth	8-7/8"
Max. Wall Thickness	18"
<b>Outdoor -</b>	
A - Height	23-1/4"
B - Width	29-15/16"
C - Depth	11-1/4"

<sup>1</sup>Illustration may not represent actual model.

All refrigeration and electrical work must be performed by a certified and licensed refrigeration technician for full parts and labor warranty validation. Insulated line sets and control wires are required and available for Frigidaire split systems in 16.4 ft. length. Each line set is equipped with flare nuts on both ends. Each system requires one line set for each indoor unit installed.

Accessories information available on the web at [frigidaire.com](http://frigidaire.com)

# Ductless Mini-Split System Air Conditioners Servicer Technical Data Sheet

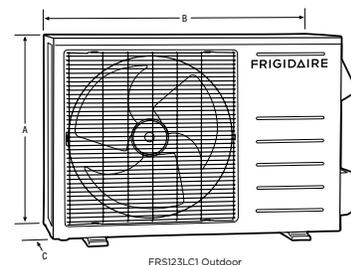
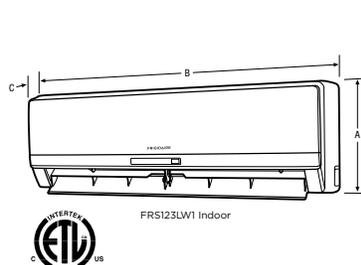
# FRIGIDAIRE®

## FRS123LS1

<b>POWER</b>	
Circuit Amps	17.2 A
Maximum Fuse Size	20.0 A
<b>CAPACITIES</b>	
Cooling	12,000 BTU
Amps	10 A
Watts	1090 W
Min/Max Cooling	n/a
SEER	13.0
EER	14.8422
Low Ambient Temperature	17° C-43° C (62° F-109° F)
Voltage/Frequency/Phase	115V/60Hz/1P
Dehumidification	2.6 PT/H
<b>INDOOR UNIT</b>	
Sound Rating	47/43/40 dB(A)
Net Weight	29 lb
Shipping Weight	33 lb
Dimensions (H x W x D)	11.5" x 36.22" x 8.86"
Full Loaded Amps	0.9 A
Number of Fan Speeds	3
Fan Type	cross flow
RPM at High Speed	1270 rpm
Motor Watts	25 W
Full Loaded Amps	0.9 A
Coil Type	aluminum fin & copper pipe
Fin Type	Hydrophilic aluminium
Pipe Type	innergroove copper pipe
Fin Rows (FPI)	2
Tube Diameter	ϕ 7 mm (9/32")
Drain Connection Size	ϕ 15.4 mm (3/5")
<b>FEATURES</b>	
Controls	electronic
Remote Control	lcd wireless
Temperature Control	17-30° C
Timer	24 hr
Air Louvers	2 pieces
Horizontal	manual
Vertical	swing
Low Voltage Restart	yes
Self-Diagnosis	yes
Quiet Operation	yes
Air Filter	washable, anti-mold
<b>COMPRESSOR</b>	
	<b>EA82X1C-1FZDU1</b>
Controls	rotary
Remote Control	9.9 A
Temperature Control	47.3 A

<b>REFRIGERANT SYSTEM</b>	
Refrigerant	R410A
Ounces	46.91
Control	capillary
Lineset	16.4 ft
Maximum Height	26 ft
Maximum Line length	65.6 ft
Discharge Vapor Line (od)	ϕ 6 mm (1/4")
Suction (od)	ϕ 12.7 mm (1/2")
<b>OUTDOOR UNIT</b>	
Sound rating	≤ 56 dB (A)
Net Weight	79 lb
Shipping Weight	86 lb
Dimensions (H x W x D)	23.23" x 29.92" x 11.22"
Recommended Fuse	20.0 A
Minimum Amps	0.9 A
Running Current	10 A
Fan Type	Axial
Fan Diameter/Number of Speeds	15.79"-1
Drive Type	asynchronous
Motor Watts	77 W
Number of Poles and RPM	6-880 rpm
CFM (High)	1294
Coil Type	aluminum fin & copper pipe
Fin Type	Hydrophilic aluminium
Pipe Type	innergroove copper pipe
Fin Rows (FPI)	2
Tube Size	ϕ 7 mm (9/32")
<b>OPERATING RANGE</b>	
	<b>Indoor Air</b>
	intake temp
Cooling	32.2° C db/wb 22.8° C db/wb
Heating	21° C db/wb 15° C db/wb
	<b>Outdoor Air</b>
	intake temp
Cooling	43.3° C db/wb 25.6° C db/wb
Heating	18° C db/wb 12° C db/wb
<b>HEATING</b>	
Total Capacity (BTU)	N/A
HSPF	N/A
Amps	N/A
Max Amps	N/A
Power Inputs	N/A
Back Up Strip Heater	N/A
Outdoor Sound Rating	N/A

<b>PRODUCT DIMENSIONS</b>	
<b>Indoor -</b>	
A - Height	11-1/2"
B - Width	36-1/4"
C - Depth	8-7/8"
Max. Wall Thickness	18"
<b>Outdoor -</b>	
A - Height	23-1/4"
B - Width	29-15/16"
C - Depth	11-1/4"



# Ductless Mini-Split System Air Conditioners Submittal Sheet

# FRIGIDAIRE®

## FRS123LS1

Job: \_\_\_\_\_ Reference: \_\_\_\_\_ Construction: \_\_\_\_\_  
 Location: \_\_\_\_\_ Approval: \_\_\_\_\_ Unit Number: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Date: \_\_\_\_\_ Drawing Number: \_\_\_\_\_  
 Submitted to: \_\_\_\_\_ Submitted by: \_\_\_\_\_

POWER	
Circuit Amps	17.2 A
Maximum Fuse Size	20.0 A
CAPACITIES	
Cooling	12,000 Btu
Amps	10 A
Watts	1090 W
Min/Max Cooling	N/A
SEER	13.0
EER	14.8422
Low Ambient Temperature	17° C-43° C (62° F-109° F)
Voltage/Frequency/Phase	115V/60Hz/1P
Dehumidification	2.6 PT/H
INDOOR UNIT	
Sound Rating	47/43/40
Net Weight	29 lb
Shipping Weight	33 lb
Dimensions (H x W x D)	11.5" x 36.22" x 8.86"
Full Loaded Amps	0.9 A
Number of Fan Speeds	3
Fan Type	cross flow
Motor Watts	25 W
Full Loaded Amps	0.9 A
COMPRESSOR	
Type	EA82X1C-1FZDU1 rotary
Amps	9.9 A
Locked Rotor Amps	47.3 A

OUTDOOR UNIT	
Sound Rating	≤ 56 dB (A)
Net Weight	79 lb
Shipping Weight	86 lb
Dimensions (H x W x D)	23.23" x 29.92" x 11.22"
Recommended Fuse	20.0 A
Minimum Amps	0.9 A
Running Current	10 A
Drive Type	asynchronous
Motor Watts	77 W
CFM (high)	1294
FEATURES	
Controls	electronic
Remote Control	lcd wireless
Temperature control	17-30° C
Timer	24 hr
Air Louvers	2 pieces
Horizontal	manual
Vertical	swing
Low Voltage Restart	yes
Self-Diagnosis	yes
Quiet Operation	yes
Air Filter	washable, anti-mold
REFRIGERANT SYSTEM	
Refrigerant	R410A
Ounces	46.91
Lineset	16.4 ft
Maximum Height	26 ft
Maximum Line length	65.6 ft
Discharge Vapor Line (od)	ø 6 mm (1/4")
Suction (od)	ø 12.7 mm (1/2")

PRODUCT DIMENSIONS	
Indoor -	
A - Height	11-1/2"
B - Width	36-1/4"
C - Depth	8-7/8"
Max. Wall Thickness	18"
Outdoor -	
A - Height	23-1/4"
B - Width	29-15/16"
C - Depth	11-1/4"

