Intake Louvers

Model LE47 - Fixed



Features/Specifications:

- Extruded aluminum
- Weather resistant
- Available in fixed or adjustable blades
- Bird screen standard
- Multiple options and colors available
- 1 year warranty

Proper sizing for LE47

1. Divide the required CFM by the maximum recommended free area velocity (822 FPM)
2. Select a louver from the free area chart that meets the minimum free area requirements.

Example: 6000 CFM air flow

Step 1.

Min. Free Area = Design CFM / Max Recommended Velocity

= 6000 = 7.299 Sq. Ft.

822

Step 2.

From the free area table the approximate louver size is 36”W x 60”H (7.47 Sq. Ft.)

LE47 Free Area in square feet

HEIGHT \ WIDTH	12”	24”	36”	48”	60”	72”	84”	96”
12”	0.29	0.66	1.04	1.41	1.79	2.12	2.49	2.87
24”	0.69	1.59	2.49	3.40	4.30	5.08	5.98	6.88
36”	1.18	2.70	4.22	5.75	7.27	8.61	10.13	11.60
48”	1.68	3.85	6.03	8.21	10.38	12.29	14.47	16.60
60”	2.08	4.77	7.47	10.16	12.85	15.21	17.90	20.60
72”	2.57	5.90	9.24	12.57	15.91	18.82	22.16	25.40
84”	2.97	6.83	10.69	14.55	18.41	21.79	25.65	29.50
96”	3.46	7.94	12.42	16.91	21.39	25.31	29.80	34.20

Free area is the actual open area of the louver, approximately 45% of face area.

The standard screen included in the base price of all LE47 & LE47A louvers is 1/2” .051 expanded

Louver Information:

EDP #	Catalog No.
94322	LE47 Fixed Intake Louver, 12”W x 12”H
94200	LE47 Fixed Intake Louver, 12”W x 18”H
94201	LE47 Fixed Intake Louver, 12”W x 24”H
94202	LE47 Fixed Intake Louver, 12”W x 30”H
94203	LE47 Fixed Intake Louver, 12”W x 36”H
94204	LE47 Fixed Intake Louver, 12”W x 42”H
94205	LE47 Fixed Intake Louver, 12”W x 48”H
94206	LE47 Fixed Intake Louver, 12”W x 54”H
94207	LE47 Fixed Intake Louver, 12”W x 60”H
94208	LE47 Fixed Intake Louver, 12”W x 66”H
94209	LE47 Fixed Intake Louver, 12”W x 72”H
94210	LE47 Fixed Intake Louver, 12”W x 78”H
94211	LE47 Fixed Intake Louver, 12”W x 84”H
94212	LE47 Fixed Intake Louver, 12”W x 90”H
94213	LE47 Fixed Intake Louver, 12”W x 96”H
94214	LE47 Fixed Intake Louver, 18”W x 12”H
94318	LE47 Fixed Intake Louver, 18”W x 18”H
94387	LE47 Fixed Intake Louver, 18”W x 24”H
94215	LE47 Fixed Intake Louver, 18”W x 30”H
94216	LE47 Fixed Intake Louver, 18”W x 36”H
94217	LE47 Fixed Intake Louver, 18”W x 42”H
94218	LE47 Fixed Intake Louver, 18”W x 48”H
94219	LE47 Fixed Intake Louver, 18”W x 54”H
94220	LE47 Fixed Intake Louver, 18”W x 60”H
94221	LE47 Fixed Intake Louver, 18”W x 66”H
94222	LE47 Fixed Intake Louver, 18”W x 72”H
94223	LE47 Fixed Intake Louver, 18”W x 78”H
94224	LE47 Fixed Intake Louver, 18”W x 84”H
94225	LE47 Fixed Intake Louver, 18”W x 90”H
94226	LE47 Fixed Intake Louver, 18”W x 96”H
94296	LE47 Fixed Intake Louver, 24”W x 12”H
94227	LE47 Fixed Intake Louver, 24”W x 18”H
94315	LE47 Fixed Intake Louver, 24”W x 24”H
94228	LE47 Fixed Intake Louver, 24”W x 30”H
94314	LE47 Fixed Intake Louver, 24”W x 36”H
94229	LE47 Fixed Intake Louver, 24”W x 42”H
94313	LE47 Fixed Intake Louver, 24”W x 48”H
94230	LE47 Fixed Intake Louver, 24”W x 54”H
94231	LE47 Fixed Intake Louver, 24”W x 60”H
94232	LE47 Fixed Intake Louver, 24”W x 66”H
94233	LE47 Fixed Intake Louver, 24”W x 72”H
94234	LE47 Fixed Intake Louver, 24”W x 78”H
94235	LE47 Fixed Intake Louver, 24”W x 84”H
94236	LE47 Fixed Intake Louver, 24”W x 90”H
94237	LE47 Fixed Intake Louver, 24”W x 96”H
94238	LE47 Fixed Intake Louver, 30”W x 12”H
94239	LE47 Fixed Intake Louver, 30”W x 18”H

EDP #	Catalog No.
94377	LE47 Fixed Intake Louver, 30”W x 24”H
94312	LE47 Fixed Intake Louver, 30”W x 30”H
94240	LE47 Fixed Intake Louver, 30”W x 36”H
94241	LE47 Fixed Intake Louver, 30”W x 42”H
94242	LE47 Fixed Intake Louver, 30”W x 48”H
94243	LE47 Fixed Intake Louver, 30”W x 54”H
94244	LE47 Fixed Intake Louver, 30”W x 60”H
94245	LE47 Fixed Intake Louver, 30”W x 66”H
94246	LE47 Fixed Intake Louver, 30”W x 72”H
94247	LE47 Fixed Intake Louver, 30”W x 78”H
94248	LE47 Fixed Intake Louver, 30”W x 84”H
94249	LE47 Fixed Intake Louver, 30”W x 90”H
94250	LE47 Fixed Intake Louver, 30”W x 96”H
94391	LE47 Fixed Intake Louver, 36”W x 12”H
94251	LE47 Fixed Intake Louver, 36”W x 18”H
94349	LE47 Fixed Intake Louver, 36”W x 24”H
94252	LE47 Fixed Intake Louver, 36”W x 30”H
94311	LE47 Fixed Intake Louver, 36”W x 36”H
94293	LE47 Fixed Intake Louver, 36”W x 42”H
94310	LE47 Fixed Intake Louver, 36”W x 48”H
94253	LE47 Fixed Intake Louver, 36”W x 54”H
94254	LE47 Fixed Intake Louver, 36”W x 60”H
94255	LE47 Fixed Intake Louver, 36”W x 66”H
94256	LE47 Fixed Intake Louver, 36”W x 72”H
94257	LE47 Fixed Intake Louver, 36”W x 78”H
94259	LE47 Fixed Intake Louver, 36”W x 84”H
94260	LE47 Fixed Intake Louver, 36”W x 90”H
94261	LE47 Fixed Intake Louver, 36”W x 96”H
94262	LE47 Fixed Intake Louver, 42”W x 12”H
94263	LE47 Fixed Intake Louver, 42”W x 18”H
94264	LE47 Fixed Intake Louver, 42”W x 24”H
94266	LE47 Fixed Intake Louver, 42”W x 30”H
94269	LE47 Fixed Intake Louver, 42”W x 36”H
94308	LE47 Fixed Intake Louver, 42”W x 42”H
94270	LE47 Fixed Intake Louver, 42”W x 48”H
94273	LE47 Fixed Intake Louver, 42”W x 54”H
94276	LE47 Fixed Intake Louver, 42”W x 60”H
94278	LE47 Fixed Intake Louver, 42”W x 66”H
94279	LE47 Fixed Intake Louver, 42”W x 72”H
94508	LE47 Fixed Intake Louver, 42”W x 78”H
94509	LE47 Fixed Intake Louver, 42”W x 84”H
94510	LE47 Fixed Intake Louver, 42”W x 90”H
94511	LE47 Fixed Intake Louver, 42”W x 96”H
94512	LE47 Fixed Intake Louver, 48”W x 12”H
94513	LE47 Fixed Intake Louver, 48”W x 18”H
94514	LE47 Fixed Intake Louver, 48”W x 24”H
94515	LE47 Fixed Intake Louver, 48”W x 30”H

EDP #	Catalog No.
94306	LE47 Fixed Intake Louver, 48”W x 36”H
94516	LE47 Fixed Intake Louver, 48”W x 42”H
94304	LE47 Fixed Intake Louver, 48”W x 48”H
94517	LE47 Fixed Intake Louver, 48”W x 54”H
94303	LE47 Fixed Intake Louver, 48”W x 60”H
94518	LE47 Fixed Intake Louver, 48”W x 66”H
94519	LE47 Fixed Intake Louver, 48”W x 72”H
94520	LE47 Fixed Intake Louver, 48”W x 78”H
94521	LE47 Fixed Intake Louver, 48”W x 84”H
94522	LE47 Fixed Intake Louver, 48”W x 90”H
94523	LE47 Fixed Intake Louver, 48”W x 96”H
94524	LE47 Fixed Intake Louver, 54”W x 12”H
94525	LE47 Fixed Intake Louver, 54”W x 18”H
94526	LE47 Fixed Intake Louver, 54”W x 24”H
94527	LE47 Fixed Intake Louver, 54”W x 30”H
94528	LE47 Fixed Intake Louver, 54”W x 36”H
94529	LE47 Fixed Intake Louver, 54”W x 42”H
94530	LE47 Fixed Intake Louver, 54”W x 48”H
94289	LE47 Fixed Intake Louver, 54”W x 54”H
94538	LE47 Fixed Intake Louver, 54”W x 60”H
94539	LE47 Fixed Intake Louver, 54”W x 66”H
94540	LE47 Fixed Intake Louver, 54”W x 72”H
94541	LE47 Fixed Intake Louver, 54”W x 78”H
94542	LE47 Fixed Intake Louver, 54”W x 84”H
94543	LE47 Fixed Intake Louver, 54”W x 90”H
94544	LE47 Fixed Intake Louver, 54”W x 96”H
94545	LE47 Fixed Intake Louver, 60”W x 12”H
94546	LE47 Fixed Intake Louver, 60”W x 18”H
94547	LE47 Fixed Intake Louver, 60”W x 24”H
94548	LE47 Fixed Intake Louver, 60”W x 30”H
94549	LE47 Fixed Intake Louver, 60”W x 36”H
94550	LE47 Fixed Intake Louver, 60”W x 42”H
94551	LE47 Fixed Intake Louver, 60”W x 48”H
94552	LE47 Fixed Intake Louver, 60”W x 54”H
94553	LE47 Fixed Intake Louver, 60”W x 60”H
94554	LE47 Fixed Intake Louver, 60”W x 66”H
94555	LE47 Fixed Intake Louver, 60”W x 72”H
94556	LE47 Fixed Intake Louver, 60”W x 78”H
94557	LE47 Fixed Intake Louver, 60”W x 84”H
94558	LE47 Fixed Intake Louver, 60”W x 90”H
94559	LE47 Fixed Intake Louver, 60”W x 96”H
94560	LE47 Fixed Intake Louver, 66”W x 12”H
94561	LE47 Fixed Intake Louver, 66”W x 18”H
94562	LE47 Fixed Intake Louver, 66”W x 24”H
94563	LE47 Fixed Intake Louver, 66”W x 30”H
94564	LE47 Fixed Intake Louver, 66”W x 36”H
94565	LE47 Fixed Intake Louver, 66”W x 42”H

EDP #	Catalog No.
94566	LE47 Fixed Intake Louver, 66”W x 48”H
94567	LE47 Fixed Intake Louver, 66”W x 54”H
94568	LE47 Fixed Intake Louver, 66”W x 60”H
94569	LE47 Fixed Intake Louver, 66”W x 66”H
94570	LE47 Fixed Intake Louver, 66”W x 72”H
94571	LE47 Fixed Intake Louver, 66”W x 78”H
94572	LE47 Fixed Intake Louver, 66”W x 84”H
94573	LE47 Fixed Intake Louver, 66”W x 90”H
94574	LE47 Fixed Intake Louver, 66”W x 96”H
94575	LE47 Fixed Intake Louver, 72”W x 12”H
94576	LE47 Fixed Intake Louver, 72”W x 18”H
94577	LE47 Fixed Intake Louver, 72”W x 24”H
94578	LE47 Fixed Intake Louver, 72”W x 30”H
94579	LE47 Fixed Intake Louver, 72”W x 36”H
94580	LE47 Fixed Intake Louver, 72”W x 42”H
94284	LE47 Fixed Intake Louver, 72”W x 48”H
94581	LE47 Fixed Intake Louver, 72”W x 54”H
94582	LE47 Fixed Intake Louver, 72”W x 60”H
94583	LE47 Fixed Intake Louver, 72”W x 66”H
94584	LE47 Fixed Intake Louver, 72”W x 72”H
94585	LE47 Fixed Intake Louver, 72”W x 78”H
94586	LE47 Fixed Intake Louver, 72”W x 84”H
94587	LE47 Fixed Intake Louver, 72”W x 90”H
94588	LE47 Fixed Intake Louver, 72”W x 96”H
94589	LE47 Fixed Intake Louver, 78”W x 12”H
94590	LE47 Fixed Intake Louver, 78”W x 18”H
94591	LE47 Fixed Intake Louver, 78”W x 24”H
94592	LE47 Fixed Intake Louver, 78”W x 30”H
94593	LE47 Fixed Intake Louver, 78”W x 36”H
94594	LE47 Fixed Intake Louver, 78”W x 42”H
94595	LE47 Fixed Intake Louver, 78”W x 48”H
94596	LE47 Fixed Intake Louver, 78”W x 54”H
94597	LE47 Fixed Intake Louver, 78”W x 60”H
94598	LE47 Fixed Intake Louver, 78”W x 66”H
94599	LE47 Fixed Intake Louver, 78”W x 72”H
94600	LE47 Fixed Intake Louver, 78”W x 78”H
94601	LE47 Fixed Intake Louver, 78”W x 84”H
94602	LE47 Fixed Intake Louver, 78”W x 90”H
94603	LE47 Fixed Intake Louver, 78”W x 96”H
94604	LE47 Fixed Intake Louver, 84”W x 12”H
94605	LE47 Fixed Intake Louver, 84”W x 18”H
94606	LE47 Fixed Intake Louver, 84”W x 24”H
94607	LE47 Fixed Intake Louver, 84”W x 30”H
94608	LE47 Fixed Intake Louver, 84”W x 36”H
94609	LE47 Fixed Intake Louver, 84”W x 42”H
94610	LE47 Fixed Intake Louver, 84”W x 48”H
94611	LE47 Fixed Intake Louver, 84”W x 54”H

EDP #	Catalog No.
94612	LE47 Fixed Intake Louver, 84”W x 60”H
94613	LE47 Fixed Intake Louver, 84”W x 66”H
94614	LE47 Fixed Intake Louver, 84”W x 72”H
94615	LE47 Fixed Intake Louver, 84”W x 78”H
94616	LE47 Fixed Intake Louver, 84”W x 84”H
94617	LE47 Fixed Intake Louver, 84”W x 90”H
94618	LE47 Fixed Intake Louver, 84”W x 96”H
94619	LE47 Fixed Intake Louver, 90”W x 12”H
94620	LE47 Fixed Intake Louver, 90”W x 18”H
94621	LE47 Fixed Intake Louver, 90”W x 24”H
94622	LE47 Fixed Intake Louver, 90”W x 30”H
94623	LE47 Fixed Intake Louver, 90”W x 36”H
94624	LE47 Fixed Intake Louver, 90”W x 42”H
94634	LE47 Fixed Intake Louver, 90”W x 48”H
94635	LE47 Fixed Intake Louver, 90”W x 54”H
94636	LE47 Fixed Intake Louver, 90”W x 60”H
94637	LE47 Fixed Intake Louver, 90”W x 66”H
94638	LE47 Fixed Intake Louver, 90”W x 72”H
94639	LE47 Fixed Intake Louver, 90”W x 78”H
94640	LE47 Fixed Intake Louver, 90”W x 84”H
94641	LE47 Fixed Intake Louver, 90”W x 90”H
94642	LE47 Fixed Intake Louver, 90”W x 96”H
94643	LE47 Fixed Intake Louver, 96”W x 12”H
94644	LE47 Fixed Intake Louver, 96”W x 18”H
94645	LE47 Fixed Intake Louver, 96”W x 24”H
94646	LE47 Fixed Intake Louver, 96”W x 30”H
94647	LE47 Fixed Intake Louver, 96”W x 36”H
94648	LE47 Fixed Intake Louver, 96”W x 42”H
94649	LE47 Fixed Intake Louver, 96”W x 48”H
94650	LE47 Fixed Intake Louver, 96”W x 54”H
94651	LE47 Fixed Intake Louver, 96”W x 60”H
94652	LE47 Fixed Intake Louver, 96”W x 66”H
94653	LE47 Fixed Intake Louver, 96”W x 72”H
94654	LE47 Fixed Intake Louver, 96”W x 78”H
94655	LE47 Fixed Intake Louver, 96”W x 84”H
94656	LE47 Fixed Intake Louver, 96”W x 90”H
94660	LE47 Fixed Intake Louver, 96”W x 96”H

LE47’s are special order items. Orders are non-cancellable and non-returnable.

Finish Options

Prime or Clear Lacquer
LouverGard Std. Colors
Kynar Standard Colors (70% Kynar)
Anodize 204-R1 Etch & Clear .7 Mils
Anodize 215-R1 Etch & Clear .7 Mils
Anodize Light, Med. Dk. Bronze or Black, .7 Mils

Optional Louver Screens

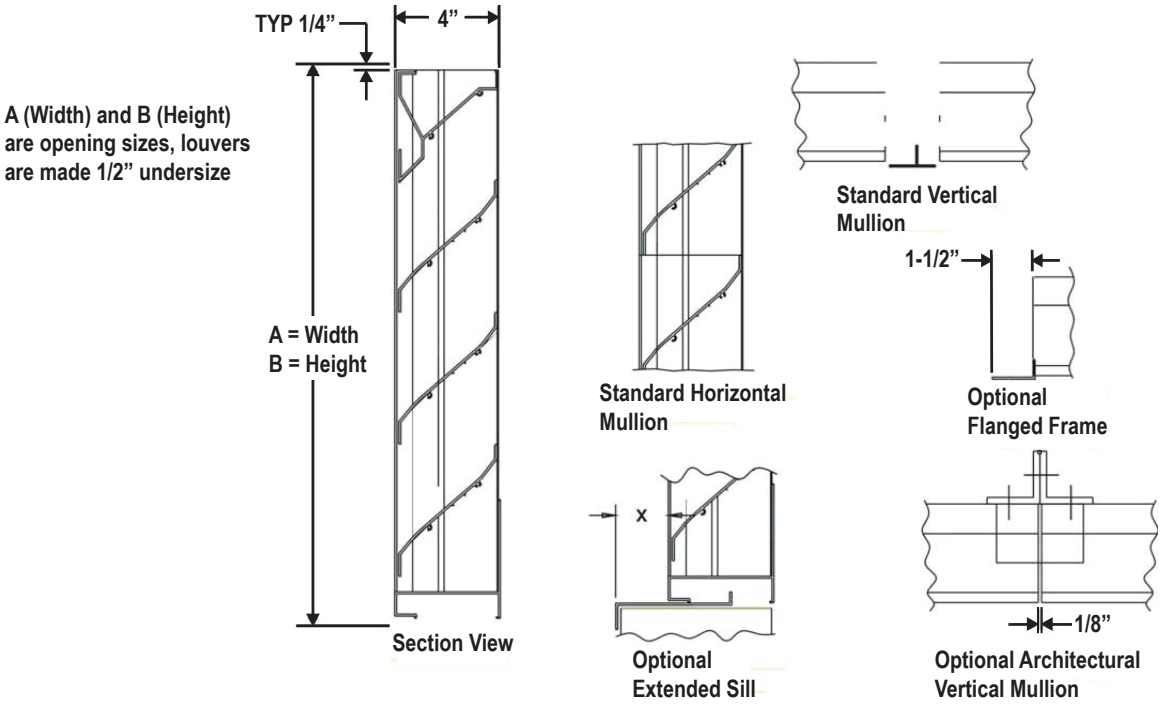
1/2” .063 aluminum screen
1/2” .047 aluminum screen
1/4” .047 aluminum screen
1/2” .041 aluminum screen
1/2” .063 galvanized screen
1/4” .041 galvanized screen
1/2” .047 stainless steel (304) screen
1/2” .063 stainless steel (304) screen
Aluminum insect screen
Galvanized insect screen
Stainless steel insect screen

Available LouverGard colors:

Bone White	Santa Fe Red
Parchment Yellow	Slate Gray
Citation Gold	Brick Red
Sierra White	Medium Bronze
Alamo Tan	Dark Bronze
Squirrel Brown	Coal Black
IBM Blue	Charcoal Black
Dove Gray	Sandstone
Hartford Green	Buckskin
Aged Copper	Terra Cotta

LouverGard is a durable gloss baked enamel for use in protecting interior and exterior metal surfaces. It is formulated to withstand the rigors of weathering and corrosion.

Stationary Intake Louver:



Ordering:

EDP #	Qty.	Catalog No.	Finish	Screen	Comments

Project		Location	
Engineer		Contractor	

Submitted by		Date		Approved by		Date	

Airmaster Fan Company 9229 South Meridian Rd. Clarklake, MI 49234 Phone (517)-764-2300 www.airmasterfan.com
Information subject to change without notice; contact Airmaster.