

Automatic Ceiling Shutter Information

EXHAUST AIR:

Openings in the attic area are necessary to allow the hot exhaust air to escape. This chart will help you determine the MINIMUM exhaust area that is essential to proper operation:

Model	Min. Free Exhaust Area Req'd.
CA 2421	8 sq. ft.
CA 3021	10 sq. ft.
CC 2422	8 sq. ft.
CC 3022	10 sq. ft.
CC 3023	11 sq. ft.
CC 3622	12 sq. ft.
CC 3623	16 sq. ft.
CC 4223	18 sq. ft.
CC 4823	22 sq. ft.

INLET AIR:

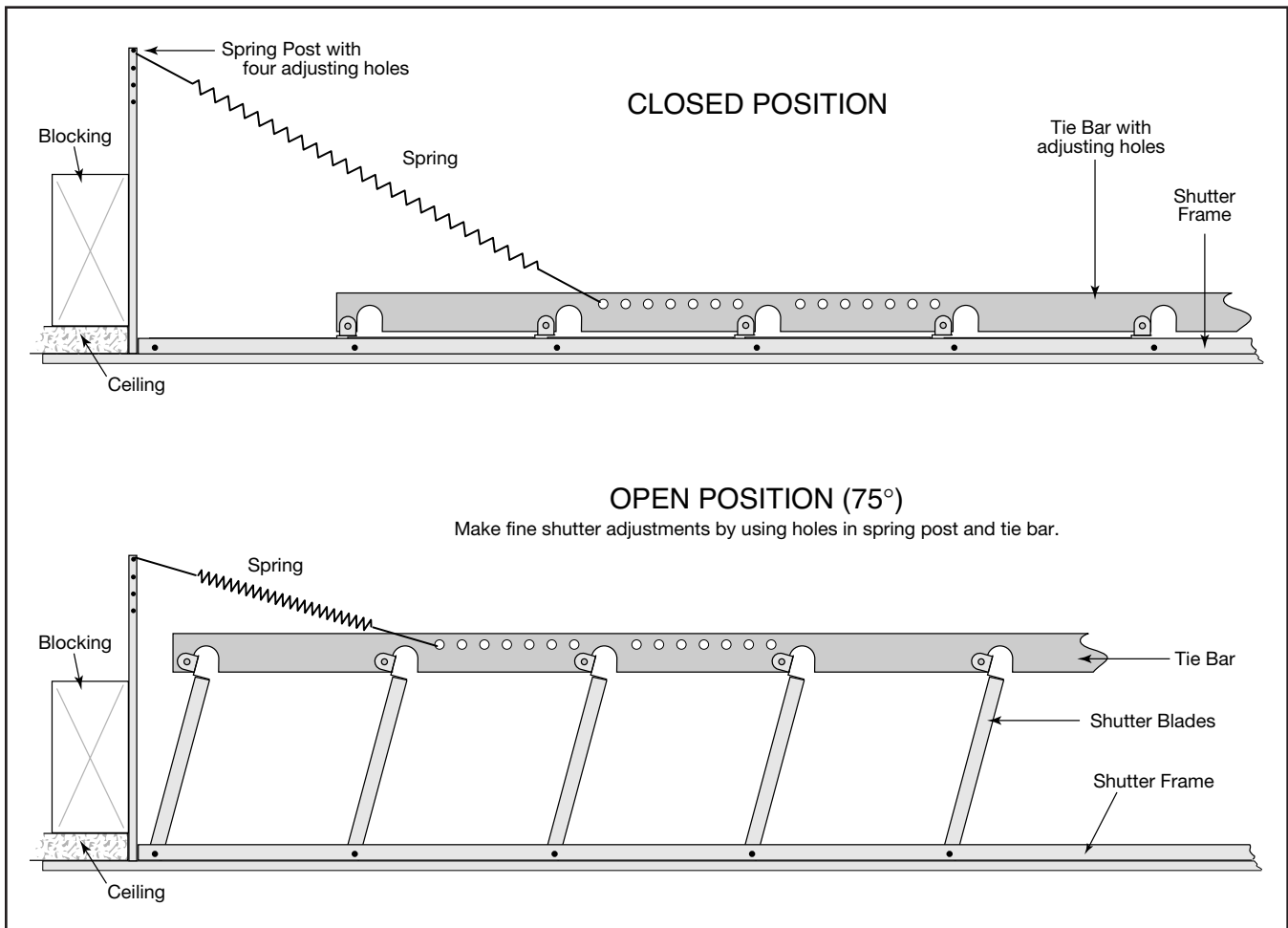
The windows in the house should be opened in each room which you wish to cool. The amount of moving air in a particular room and velocity at which this air

moves can be obtained by changing the window opening.

PROPER MOUNTING OF SHUTTER ASSIST SPRING:

The function of the spring included with your shutter is to assist the shutter to open completely. Because of the variety of shutter models, weights, sizes, etc., there are several holes in which the spring can be inserted.

To help identify which holes will be proper for the shutter as it is applied in your home, open the shutter to about 75° and insert the spring in the holes as indicated in sketch below. If spring is too tight, the shutter will not close. If too loose, the shutter will not open properly. Be sure the shutter does not open over 75° or it may not have enough weight to pull itself closed.



PROBLEM:

1. Shutter does not close completely
2. Shutter does not open when starting fan in low speed, but does open when starting fan in high speed.
3. After attempting Solution #2, shutter still closes on low speed.
4. Shutter apparently operates properly with the exception that it develops a rattle while in the semi-open position.

SOLUTION:

1. Spring has too much tension. Remove end of spring from tie bar and place in holes closer to spring post, to reduce tension, and allow shutter to close properly.
2. Fan should always be turned on high speed first then to low speed, should that be the desired operating speed. By going thru this procedure, shutter should quickly open and remain open during low speed operation.
3. You may find it necessary to move the spring on the tie bar away from the spring post another hole which will tighten the spring.
4. Increase the exhaust area for air to escape from the attic.

CLEANING INSTRUCTIONS:

CLEAN PAINTED SHUTTERS WITH MILD DETERGENT.

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