

Healthy Attic Ventilation Checklist

Name _____ Consultant _____ Sq ft _____

During inspection, please note the following:

Ridge Vent Y N If yes, is there 1.5 inches of opening on each side? Y N

Pocket Vents Y N How Many? _____ Power Fan Y N

Gable Vent Y N If yes, what size is the opening? _____

Soffit Vents Y N Type _____ Size _____ How many _____

Soffit Vents Clear? Y N Proper Chutes Y N How many? _____

Moisture Present Y N Mold Present Y N _____

Bath Fans Vented Properly Y N Notes _____

Exhaust Needs:

Square footage of attic floor _____ x 0.7 = _____ CFM Needed (more if over 6-12 pitch)

20W Fan is maximum 890 CFM / 30W Fan is maximum 1350 CFM

Intake Needs:

Attic Sq Ft / 300 = _____ Sq ft needed x 144 = _____ Sq inches needed

Current Intake for Under-Eave or Continuous:

Amount of vents _____ x NFA Rating _____ = _____ inches

Current Intake for Gable Vents:

Amount of vents _____ x NFA Rating _____ = _____ inches

Current Intake for Aluminum / Vinyl:

Total Sq inches _____ / 144 = _____ Sq ft x NFA Rating _____ = _____ inches

TOTAL _____ inches

Note: To convert sq ft to sq inches: Square ft _____ x 144 = _____ Sq inches

To convert sq inches to sq ft: Square inches _____ / 144 = _____ Sq ft

Important Notes: There MUST be a MINIMUM of 300 inches of NFA for a 20W Fan

There **MUST** be a **MINIMUM** of 450 inches of NFA for a 30W Fan.
Otherwise, it may pull conditioned air out of the home!

Net Free Area Table

One square foot (144 inches) of net free intake is needed for every 300 ft of attic floor space.

Rectangular gable louvers

12" x 12"	56
12" x 18"	82
14" x 24"	145
18" x 24"	150
24" x 30"	324

Low Vents – Intake

16" x 8" under eave	56
16" x 6" under eave	42
16" x 4" under eave	28

Round Vents (Brands Vary)

2" - 1"
3" - 2"
4" - 4"
6" - 10"

Continuous Soffit Vent (2-3/4" wide) (1' length) = 9

Vented Drip Edge (1' length) = 9

Shingle over Edge vent (1' length) = 9

Perforated aluminum soffit 14 One square foot of perforation =

Lanced aluminum soffit One square foot of lancing = 7-9

It is also important to be sure the intake air can actually get into the attic. If you can't see over the top of the insulation at the soffit, you may need baffles (proper chutes). You must have enough to match the intake air at the soffit.

16" on center baffles = 15 inches net free intake

24" on center baffles = 26 inches net free intake