PROPER VENTILATION IS IMPORTANT!

There is a silent war underway in your attic. Your insulation, structure, paint, and roofing materials are under attack from heat and moisture (present in every attic). In the summer, excessive heat build-up in your attic can top 150 degrees. In the winter, excessive attic moisture can actually condense to water droplets.

The only way to get rid of damaging heat and moisture is with a proper attic ventilation system of intake and exhaust vents. Left unventilated, heat and moisture can cause expensive damage in a home. With a proper ventilation system of intake and exhaust vents, stale air is continually replaced by fresh air, removing excessive heat and moisture.

LOMANCO VENTS PROTECT HOMES FROM HEAT AND MOISTURE

SELECTING EXHAUST VENTS

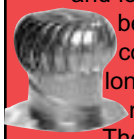
Lomanco provides three types of exhaust vents: static, wind driven and power. When installed in conjunction with the proper number and type of intake vents, any of these exhaust vents will do the job. It's just a matter of the most suitable choice for your home.

STATIC EXHAUST VENTS (ROOF LOUVERS)

There are several Lomanco Roof Louver models available in both aluminum and plastic. These louvers require a hole to be cut in the roof. The Lomanco Ventilation Guide will tell you the correct number of these vents.

WIND DRIVEN EXHAUST VENTS (TURBINES)

Lomanco's turbine ventilators feature upper and lower ball-bearing construction for long life and NO maintenance.



These turbines will turn in the slightest breeze. Both the 12" WhirlyBird™ and the 14" Big Whirly™ are unconditionally guaranteed.

RIDGELINE VENTS

Lomanco's OmniRidge™ and OmniRoll™ RidgeLine vents are installed on the ridge peaks of your roof and provide exhaust through a long hole in the peak of the roof. OmniRidge™ comes in 4 foot sections. OmniRoll™ comes in 20 foot roll.

POWER VENTS

The Lomancool 2000 operates automatically by a thermostat. It can also be equipped with a humidistat which will automatically operate the vent in conditions of high attic humidity, regardless of temperature.

TRIANGULAR AND RECTANGULAR LOUVERS

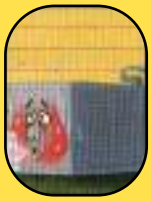
feature heavy duty all aluminum construction, 8 x 8 perma-coated insect screens and a wide variety of sizes. These vents are built to insure maximum air flow and weather protection.

Prevent Problems of Heat and Moisture

SHINGLES
Shingle manufacturers clearly state that improper attic ventilation will void their warranty. Trapped attic heat can literally boil your shingles.

STRUCTURE
Heat and moisture can cause rotting and deterioration of the structural members of your home. When heat and moisture are not removed, the floor under your feet and the rafters over your head are at risk.

INSULATION
Wet insulation is like wet clothing, it doesn't hold heat as well. When trapped moisture wets your insulation, your "R" factor is dramatically reduced.



AIR CONDITIONER
Trapped attic heat radiates to living areas in your home. This overworks your air conditioner and needlessly makes your utility bills higher.

PAINT
Moisture moves through walls and is trapped beneath the surface of the wood. When not vented away, this trapped moisture eventually leads to peeling, cracking and blistered paint.

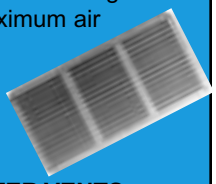
ICE DAMS
Melting and refreezing snow on your roof can cause ice dams due to lack of ventilating. This can cause leaking roof and deterioration of roof decking.

SELECTING INTAKE VENTS

Lomanco intake vents are the perfect match for Lomanco exhaust vents. There are three types - one to match your needs perfectly.

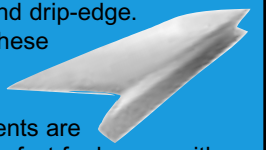
UNDER EAVE CORNICE VENTS

are all aluminum with built-in perma-coated insect screens. Louvers are designed for maximum air flow.



STARTER VENTS

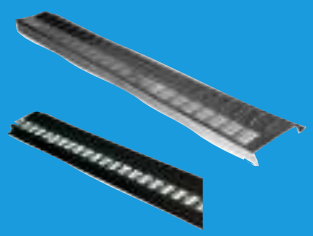
are a combination continuous soffit vent and drip-edge. These



vents are perfect for homes with little or no roof overhang. When these vents are used, it is recommended that the vent be installed on entire length of the soffits.

CONTINUOUS SOFFIT VENTS

are ideal for homes with narrow overhangs. When used, these vents should be installed along the entire length of the soffit if possible.

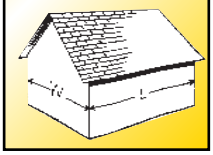


Lomanco, Inc.
P.O. Box 519 • 2101 West Main • Jacksonville, AR 72076
800-643-5596 Fax: 501-982-1258
e-mail: *info@lomanco.com*
www.lomanco.com

VENTILATION GUIDE

1 Determine Your Attic Size In Square Feet

Multiply width in feet by length to determine square footage.



REMEMBER
A properly functioning ventilation system consists of **INTAKE** and **EXHAUST VENTILATORS**
***This ventilation guide* is calculated to tell you the proper number and type of intake and exhaust vents to achieve FHA Minimum Property Standards for attic ventilation.**

2 Choose an Exhaust System Based on Your Attic Size

EXHAUST SYSTEM	EXHAUST VENTS	Area to be ventilated.(Attic floor space) in square feet					
		1000	1500	2000	2500	3000	3500
WHIRLY BIRDS	BIB-12	2	2	3	4	4	5
	BEB14	2	2	2	3	3	4
POWER VENTS	2000	1	2	2	3	3	4
	1800	1	NR	NR	NR	NR	NR
ROOF LOUVERS	550	5	8	10	12	15	17
	600	4	6	8	10	12	14
	750	5	8	10	12	15	17
	770	4	6	7	9	11	12
	135	2	3	4	5	5	6
	845	6	9	12	15	18	21
	865/860P	4	6	8	10	12	14
GABLE VENTS	905	2	NR	NR	NR	NR	NR
	907	2	2	NR	NR	NR	NR
	909	2	2	2	2	NR	NR
	911	2	2	2	2	2	2
	12X18	2	NR	NR	NR	NR	NR
	14X24	2	NR	NR	NR	NR	NR
	18X24	2	2	NR	NR	NR	NR
	24X30	2	2	2	2	NR	NR
RIDGE VENTS	*LPR-10	2	2	3	4	4	5
	*LPR-8	2	3	4	5	5	6
	*VUR-10	2	2	3	4	4	5
	*OR-4	4	5	7	9	10	12
	*OR-20**	14'	20'	27'	34'	40'	47'
	*LOR9-4	6	9	11	14	17	20
	*LOR-30**	22'	33'	44'	55'	66'	77'

***NOTE: Ridge Vent requirement is minimum. However, we recommend venting full length of ridge.**
****OmniRoll/LoOmniRoll in linear feet, not pieces.**

3 Choose Intake Vents Based on Chosen Exhaust System

EXHAUST SYSTEM CHOSEN	INTAKE VENTS	Area to be ventilated.(Attic floor space) in square feet					
		1000	1500	2000	2500	3000	3500
WHIRLY BIRDS	C416	42	84	84	126	126	168
	C616	30	58	58	86	86	114
	C816	16	32	32	48	48	64
	105/190	14	29	29	44	44	58
	140	12	24	24	36	36	48
	SV-10	16	33	33	50	50	67
POWER VENTS	C416	42	42	84	84	84	126
	C616	30	30	58	58	58	86
	C816	16	16	32	32	32	48
	105/190	14	14	28	28	28	36
	140	12	12	24	24	24	36
	SV-10	16	16	32	32	32	40
ROOF LOUVERS & GABLE VENTS	C416	10	16	20	24	30	34
	C616	8	10	14	18	20	24
	C816	4	6	8	10	12	14
	105/190	4	6	6	10	10	12
	140	4	6	6	8	10	10
	SV-10	4	6	8	10	12	14

Linear feet used		12ft		20ft		30ft		40ft		50ft	
Required NFA (in²)		216	132	360	220	540	330	720	440	900	550
RIDGE VENTS	Series	*All	LOR	*All	LOR	*All	LOR	*All	LOR	*All	LOR
	C416	10	6	16	9	22	14	30	18	36	22
	C616	6	4	10	6	16	9	20	12	26	15
	C816	4	3	6	4	10	6	12	7	14	9
	105/190	4	2	6	4	8	5	10	7	12	8
	140	4	2	6	3	8	4	10	5	12	7
	SV-10	4	3	6	4	10	6	12	7	16	6

NOTE: When using soffit panel systems, we recommend all vented panels be used. Also check with manufacturer for their net free area. (Average NFA is 6 sq. in. per foot) *Does not include LOR series shown separate.

All above calculations are based on 1/300 rule, which are accepted by FHA, UBC, CABO, BOCA, SBCCI. If your code requires 1/150 rule, please double the requirements.

DO'S AND DON'TS FOR ATTIC VENTILATION.

- **DO** install all Exhaust Ventilation at the **SAME HEIGHT** within a common attic area. Installation of exhaust vents at more than one level on a roof allows the upper exhaust vent to wrongly pull air in from lower exhaust vent rather than from the soffit Intake Vents.
- **DON'T** install exhaust vents at different heights.
- **DON'T** install Ridge Vents down the hip.
- **DO** install **ONLY ONE TYPE** of Exhaust Ventilation within a common attic area. Exhaust Vents pull air from the easiest Intake source. The use of two or more types of exhaust vents such as Power Vents with Roof Vents or Gable Vents with Ridge Vents or Roof Vents could make one of these vents act as intake instead of pulling air from the soffit vents.
- **DON'T** mix different types of exhaust vents.
- **DO** install a **BALANCED SYSTEM** of Intake and Exhaust Ventilation. 50% Intake and 50% Exhaust is a balanced system. Improper intake may lead to snow or rain infiltration into the exhaust vents.

Ask the expert at:

www.lomanco.com

Foundation Vents

MODEL	Area to be ventilated in square feet					
	1000	1500	2000	2500	3000	3500
106L	8	12	15	19	23	27
179	9	13	18	22	26	30
189	7	10	13	17	20	23
199	13	19	25	31	37	44
J209	11	16	21	26	31	36

Lomanco, Inc.
P.O. Box 519 • 2101 West Main
Jacksonville, AR 72076
501-982-6511
800-643-5596 Fax: 501-982-1258
E-mail: info@lomanco.com

LO394 **1009**