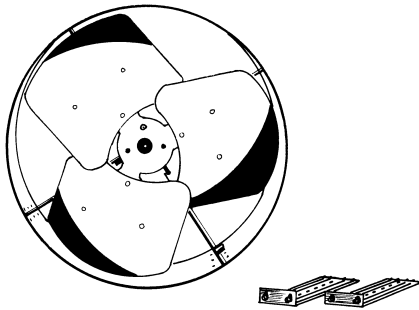


Gable Ventilators

Models AGV14



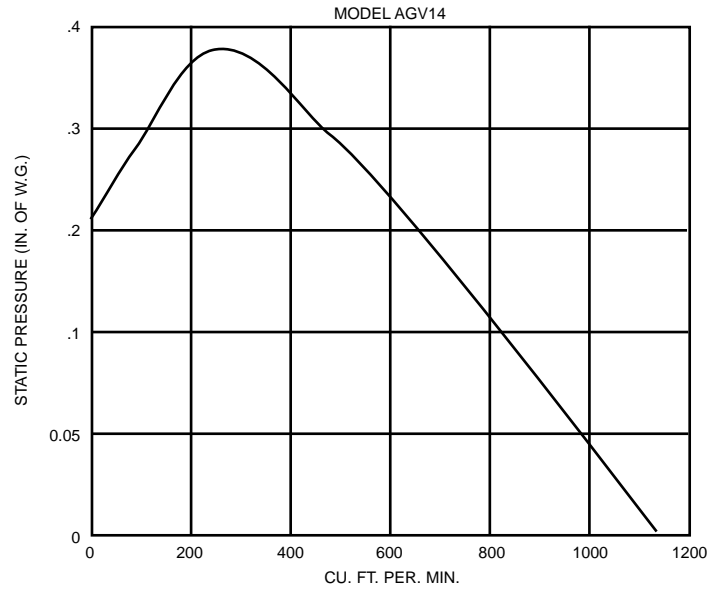
MODEL DESCRIPTION

Marley Engineered Products Model AGV14 Gable Vent is an alternative to a roof mounted power attic space ventilator. Model AGV14 is fully automatic and designed for general ventilating use only in the attic spaces of houses, apartments and other small buildings. Unit can be installed behind existing attic louvers to exhaust hot air or pull in cool air. Model AGV14 is a standard unit designed for average-sized homes. An accessory dehumidistat can be used with this unit to automatically activate in the winter to help eliminate excessive moisture.

FEATURES

- Heavy-duty steel housing.
- Easy to install in existing homes or new construction.
- Optional mounting. Exhaust hot air or pull in cool air.
- (2) Mounting brackets included.
- Pre-wired automatic thermostat in junction box.
- 14" Blade provides 1040 cu.ft. per min.

PERFORMANCE DATA



SUGGESTED SPECIFICATIONS

Gable Ventilators shall bear the HVI Tested Certified Seal and the UL label. Ventilators shall have 24 gauge, cold-rolled formed E.Z.C. steel housing to prevent corrosion. Ventilator blade assembly shall be 14" in diameter consisting of three 20 gauge aluminum petals. A unit mounted junction box shall be provided with an automatic thermostat. Thermostat shall turn on when the temperature rises above 105°F and shall turn off when the temperature drops below 95°F. Ventilator motor shall be a shaped pole type rated at 120V, 60Hz, 2.2 amps and operating at 1550 RPM. Motor shall also have a non-reset thermal protector and be suitably grounded. Ventilator shall be provided with two mounting brackets of 16 gauge galv. steel. Gable Ventilators shall be from Marley Engineered Products, 470 Beauty Spot Road East, Bennettsville, SC 29512

SPECIFICATIONS



HVI CERTIFIED RATINGS

MODEL	BLADE DIA.	VOLTS	AMPS	RPM	CFM	SHP. WT
AGV14	14"	120	2.2	1550	1040	10

REFERENCE	QTY.	REMARKS	Project
			Location
			Architect
			Engineer
			Contractor
			Submitted By
			Date

GENERAL INSTALLATION

1. For a power attic ventilator to effectively cool, it should provide at least ten air changes per hour. To determine the proper CFM rating for a fan that will provide that number of air changes, the total square footage of an attic must be multiplied by .7. This will give CFM rating for the fan needed for an attic. Example; for a home with 1500 square feet of attic space, the calculation would be as follows: $1500 \times .7 = 1050$. A fan with 1050 CFM rating would be needed for such an attic. For dark roofs, 15% should be added to this CFM calculation. If a roof is particularly steep, a slightly higher CFM rating should be sought.
2. The air intake area must be adequate for proper operation of the power attic ventilator. One square foot of free open air inlet per 300 CFM of fan capacity is recommended. See "Attic Intake Area Required" section.

MINIMUM ATTIC INTAKE AREA REQUIRED

Sufficient intake area must be provided in the attic to assure that the fan will not be overloaded and that it will deliver its rated CFM. This can be accomplished with some type of attic venting such as gable louvers or under-eave vents. The table below shows the minimum intake area needed for each fan installed.

MINIMUM ATTIC INTAKE AREA REQUIRED

(All Areas Are In Squared Feet)

UNRESTRICTED* OPENING REQD.	WOOD LOUVER* OPENING REQD.	METAL LOUVER* OPENING REQD.
3.8	4.8	4.4

*If openings are covered with 1/2" hardware cloth or large mesh expanded metal increase area by 20%. Double area if fly screen is used.

INSTALLATION

NOTE: For maximum operating efficiency, the proper intake air opening must be provided to allow replacement of exhaust air. The best location for air intake is at the opposite end of the attic. See "Attic Intake Air Required" section.

1. This gable ventilator is designed to mount behind existing louvers in your attic. If a louver is not present and one must be installed, it should be mounted in the center of the upper most portion of the gable. The area of the louver should be greater than the outlet area of the ventilator.
2. There are four sets of holes spaced 90° apart in the housing, providing a choice of four depth positions. Reversing the brackets makes eight positions. Select the proper mounting holes to align the bracket and mounting structure on louvers.
3. Fig. 1 shows the ventilator mounted directly against a gable louver. If the louver is sufficiently strong, the mounting brackets may be nailed or screwed to it.
4. If mounting the vent directly to the gable louvers is undesirable, pair of furring strips may be suspended vertically a maximum of 14 3/4" apart.
5. Fig. 2 shows the ventilator mounted on a rectangular louver.
6. For better performance: Cover any open louvered area around vent with plywood or other suitable material. This will improve the efficiency of the air exchange between the attic and the outside. It will also prevent the thermostat from being directly affected by outside air.

INSTALLATION IN EXISTING HOMES

1. Wiring of this unit is done inside of the attic. Remove cover from thermostat / junction box. Bring the power cable at least 6" into the box. Fasten power cable to box with appropriate connector.
2. For standard installation, connect the two leads in the thermostat / junction box to the two supply leads. Attach ground wire from the supply to the green ground screw in the box. See Fig. 3.
3. See Fig. 4 for wiring dehumidistat to ventilator.
4. Replace cover to thermostat / junction box.
5. The ventilator will automatically turn "ON" when the attic temperature rises above 105°F and will turn "OFF" when the temperature drops between 95°F.

FIG. 1

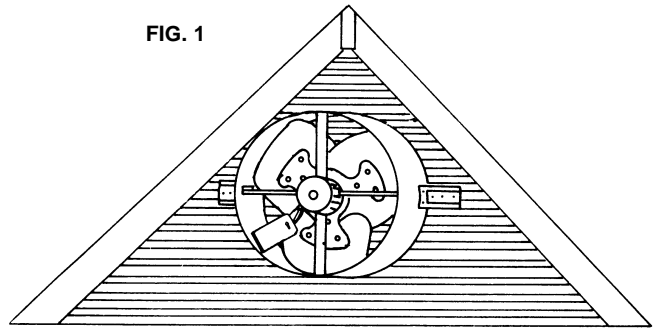


FIG. 2

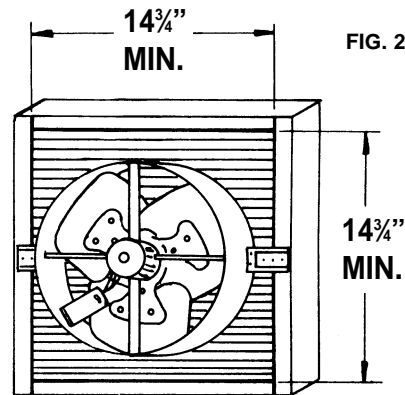


FIG. 3

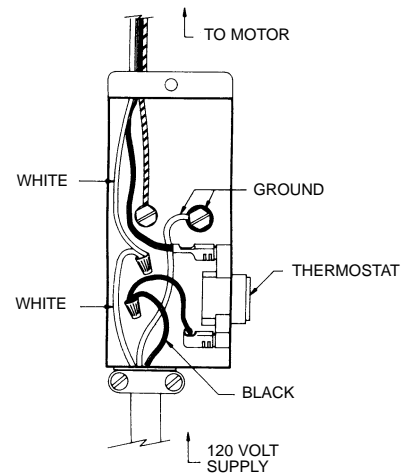
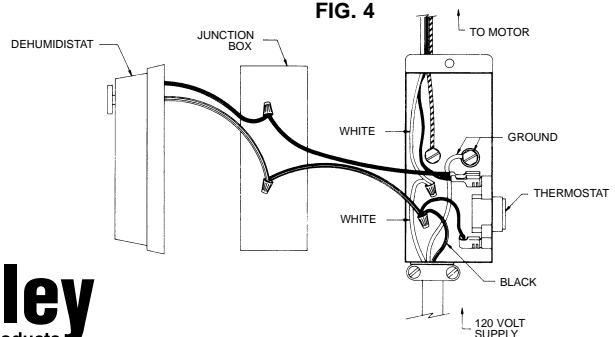


FIG. 4



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For more info visit www.marleymep.com