



Whole House Fans

ULTRA QUIET, SUPER EFFICIENT FREE COOLING

VentCool® uses up to **90%** LESS ENERGY than standard air conditioning mode.



SUMMIT Series

ECM Motor & Fan



AirLoc™ Gravity damper doors

10 speed/8 hour timer



Optional Remote Control

Decorative Intake Grille



Save on Air Conditioning Costs

The benefits of free cooling begin with dramatic energy savings. VentCool Whole House Fans use up to 90% less energy than running compressor-based air conditioning units. As the cooler air circulates through the home, it cools the structure and everything in it. With thermal mass cooling, the air conditioning isn't needed until later in the day. This free cooling translates into less use of the air conditioning system and significant cost savings.



- 3 models
- Select menu of airflow capacities to meet design requirements
- AirLoc™ Gravity Damper
- ECM motor

Fan Model Selection

Perform a simple measure and calculate method to select the proper VentCool Whole House Fan model. Determine the house square footage (sq. ft.) and multiply by the ventilation cooling Fan CFM factor. Choose from Active, Effective, or Rapid ventilation cooling equations below to determine Whole House Fan top speed capacity. Go to the Fan Airflow (GROSS) CFM column and match your results to the corresponding VentCool Model. **The most commonly applied CFM Factor is 2 CFM per sq. ft. for Effective Ventilation Cooling.**

- Active Ventilation Cooling: House Square Footage (Sq. Ft.) x 1.5 = Fan CFM
- Effective Ventilation Cooling: House Square Footage (Sq. Ft.) x 2.0 = Fan CFM
- Rapid Ventilation Cooling: House Square Footage (Sq. Ft.) x 2.5 = Fan CFM

Note: Homes with many rooms that have high vaulted ceilings will increase the need for CFM capacity. High ceiling homes 10 ft plus it is recommended to use a CFM Factor of 2.5 - 3 CFM per sq. ft.

Summit Series with AirLoc™ Gravity Damper

Model	Fan Airflow (GROSS) CFM	HVI-916 std. Title 24 (NET) CFM	Watts	CFM per Watts	Watts per CFM	Sound Level (dBA)	Speed Control Timer	Acoustical Silencer Duct	Rough Opening (inches)	Grille Dimensions (inches)	Damper Blade R-Value	Attic Venting* (sq. ft.)	Open Window† (sq. ft.)
	Sizing 2 cfm/sqft	Sizing 1.5 cfm/sqft											
VentCool-2.4	3,480	3,131	325	9.63	.10	59	10 spd/12hr	20" x 7ft	14.5 x 22.5	16.5 x 24.5	R-5	6.3	12.5
VentCool-3.4	4,230	3,342	292	11.45	.09	52	10spd/12hr	20" x 7ft	22.5 x 26.5	24.5 x 28.5	R-5	6.7	13.4
VentCool-4.9	6,048	5,202	850	6.12	.16	60	10spd/12hr	20" x 7ft	22.5 x 26.5	24.5 x 28.5	R-5	10.4	20.8

*Adequate attic ventilation must be available for the fan to operate efficiently. Recommended 1 sq. ft. of net free ventilation area per 500 CFM of fan airflow.

† Windows must be opened to safely and effectively operate the fan. Recommended 1 sq. ft. of open windows per 250 CFM of fan airflow.

Fan Airflow CFM is derived by method of test with measurement equipment in accordance with AMCA International. Home Ventilation Institute (HVI-916) Standard CFM Specifications are derived by method of test recognized by CA Title 24 for use in Residential New Construction (RNC) new home modeling by energy consultants and builders.



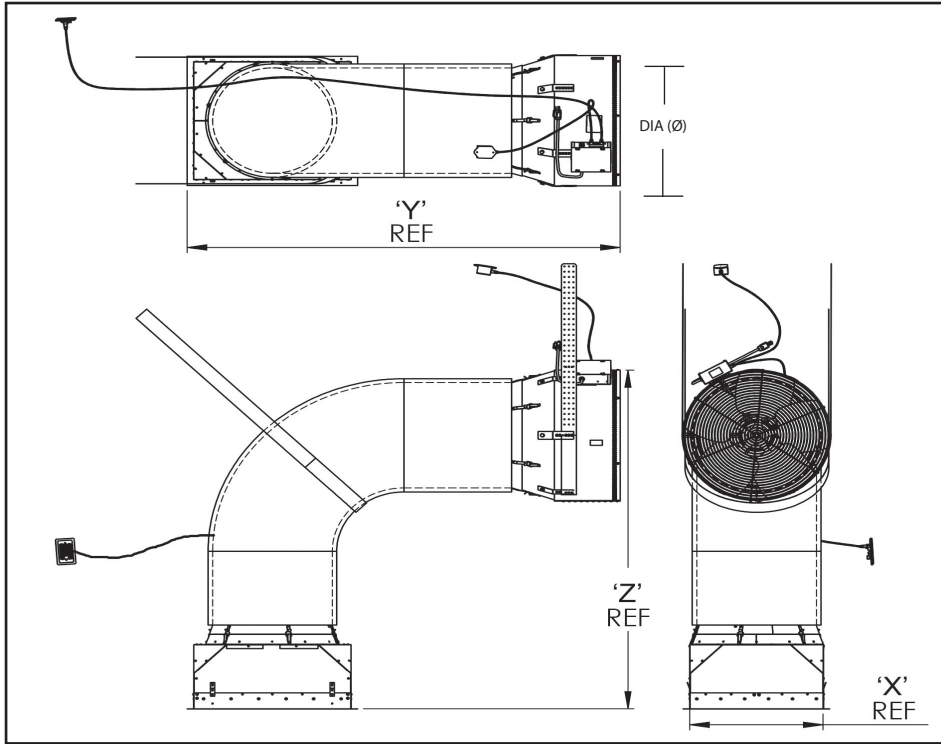
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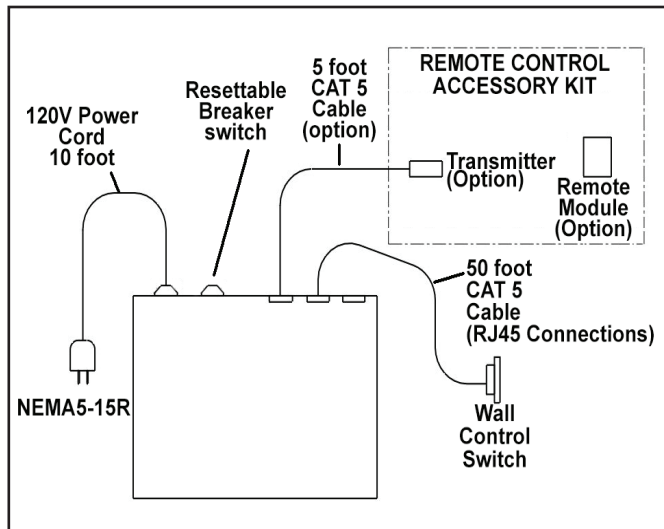
ENGINEERING DATA VENTCOOL

DIMENSIONAL DATA - 2.4, 3.4, AND 4.9 (SEE CHART FOR DIMENSIONS)

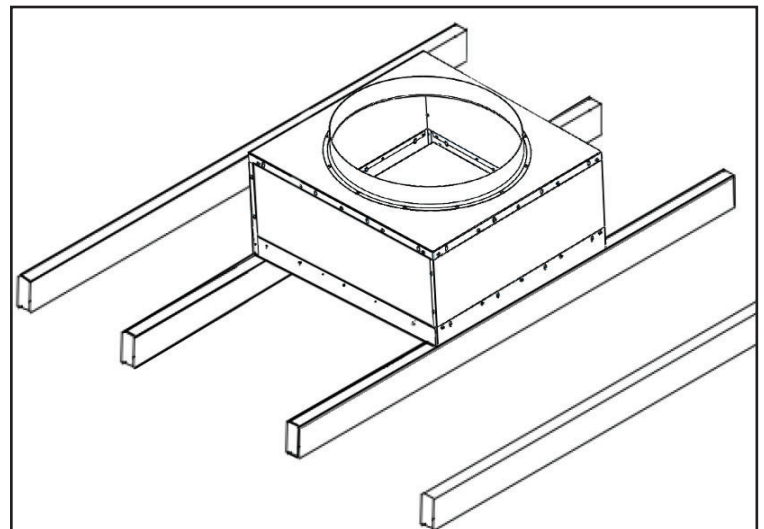


VentCool Models	Dimensions (in inches)			
	X	Y	Z	DIA
2.4	14	64.5	62.3	20
3.4	22.2	72.8	65	24
4.9	22.2	72.8	65	24

(4) Model may be supplied with either 16 or 18 inch diameter fan.



ELECTRICAL CONTROL BOX VENTCOOL 2.4, 3.4 & 4.9



TYPICAL INSTALLATION - VENTCOOL 2.4, 3.4, 4.9



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PROJECT INFORMATION

Quoted by:	Date:
Project:	Remarks:
Quantity:	
Model:	
Site:	
Architect:	
Engineer:	
Contractor:	