



Whole House Fans

ULTRA QUIET, SUPER EFFICIENT FREE COOLING

TAHOE
Series

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



PSC Motor & Fan



AirLoc™ Gravity damper doors

2 speed/8 hour timer



WHF-WC Optional Wireless Control

Decorative Intake Grille



Model T6.5 Dual Fan Design



Models T1 thru T5 Single Fan Design

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.



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. Effective Ventilation Cooling.**

- Active Ventilation Cooling
- Effective Ventilation Cooling
- Rapid Ventilation Cooling

House Square Footage (Sq. Ft.) x 1.5 = Fan CFM
 House Square Footage (Sq. Ft.) x 2.0 = Fan CFM
 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 10ft plus it is recommended to use CFM Factor of 2.5 - 3 per sq. ft.

Tahoe 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-T1	1,980	1,583	203	7.80	.13	52	1 spd/NA	16" x 7ft	14.25 x 22.25	16 x 24	R-5	3.2	6.3
VentCool-T2	2,369	1,932	295	6.55	.15	54	2spd/8hr	16" x 7ft	14.25 x 22.25	16 x 24	R-5	3.9	7.7
VentCool-T3	3,339	2,759	350	7.88	.13	53	2spd/8hr	18" x 7ft	14.25 x 22.25	16 x 24	R-5	5.5	11.0
VentCool-T4	4,590	3,640	430	8.47	.12	56	2spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	7.3	14.6
VentCool-T5	5,902	4,123	630	6.54	.15	59	2spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	8.2	16.5
VentCool-T6.5	5,951	4,631	778	5.95	.17	60	4spd Dual Fan	(2) 18" x 7ft	14.25 x 36.25	16 x 38	R-5	9.3	18.5

*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.



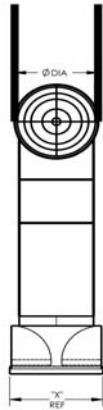
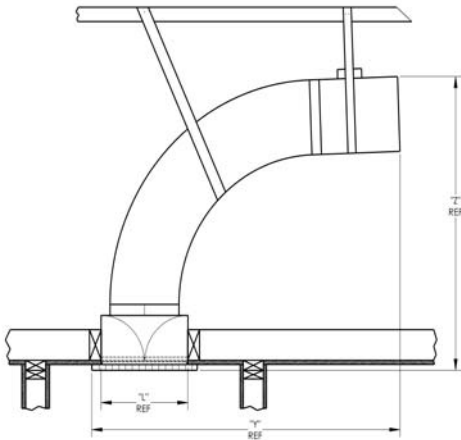
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 Corona, CA
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ENGINEERING DATA VENTCOOL TAHOE SERIES

DIMENSIONAL DATA

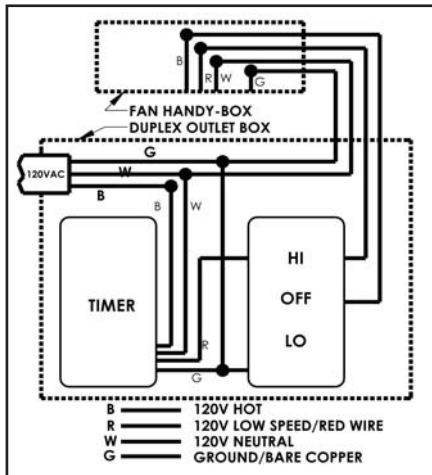


VentCool Models	Dimensions (inches)				
	X ¹	Y ²	Z ²	L	DIA
VentCool T1	17	47	47	22	16
VentCool T2	17	47	47	22	18
VentCool T3	17	47	47	22	18
VentCool T4	17	47	47	30	20
VentCool T5	17	47	47	30	22
VentCool T6.5 ³	17	47	47	36	18

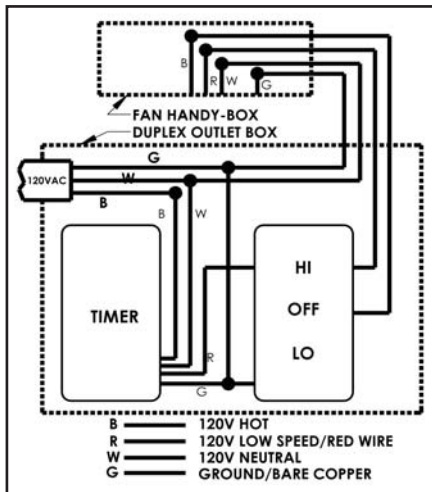
¹X includes flanged dimensions

²Y and Z are dependent on bend radius. Duct supplied is 7 feet in length.

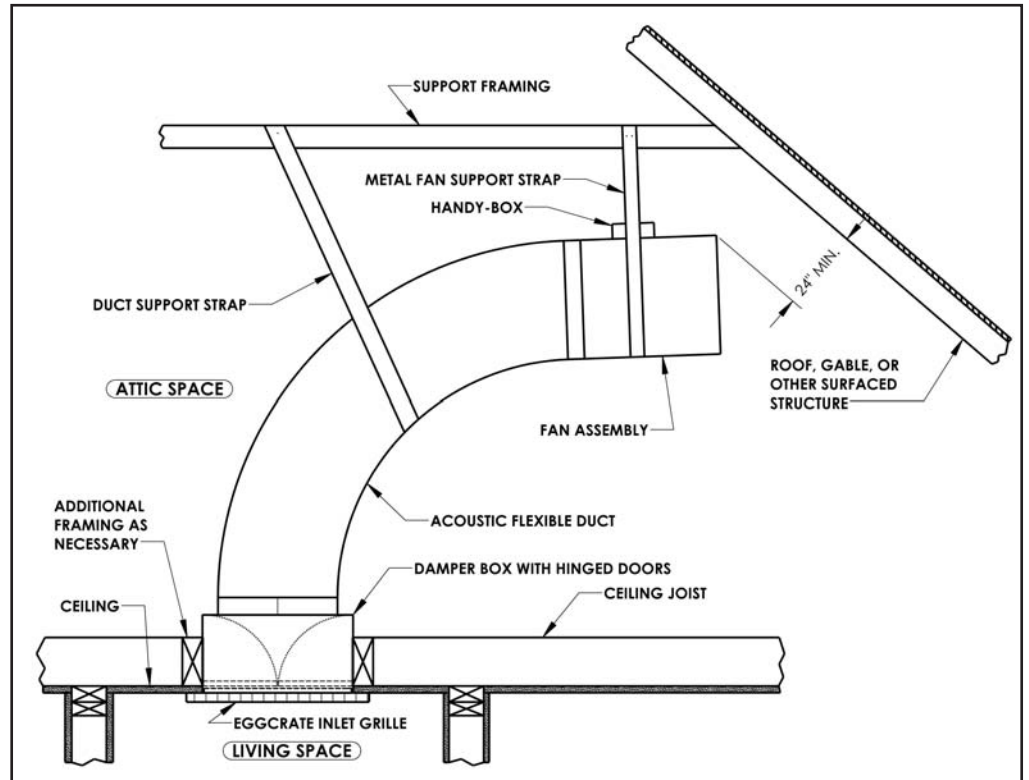
³T6.5 includes two ducts and two fans.



ELECTRICAL - 2 SPEED CONTROL



ELECTRICAL - 4 SPEED CONTROL



TYPICAL INSTALLATION - VENTCOOL TAHOE SERIES

PROJECT INFORMATION

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



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