



# WHOLE HOUSE FANS

ULTRA QUIET, SUPER EFFICIENT FREE COOLING

VentCool®  
uses up to  
**90%**  
LESS ENERGY  
than residential  
air conditioning,  
mechanical cooling.



Model S6.5 Dual Fan Design

**SUMMIT**  
Series

4-Blade, ECM Fan Assembly



AirLoc™ R-5 Gravity Damper

WTT 3 spd Digital  
Timer or Temperature Control



Optional RTT Remote  
Timer or Temperature Control

Decorative Intake Grille



Models S2 thru S5  
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 result 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 per sq. ft.

## Summit Series "S-Class" with AirLoc™ Gravity Damper

Model	Part Number	Fan Airflow (GROSS)	HVI-916 std. Title 24 (NET) CFM	Watts	CFM per Watts	Watts per CFM	Sound Level (dBA)	Digital Speed Control Time/Temp	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-S2	602603102	2,576	2,078	210.4	9.87	.10	54	3 spd/8hr	16" x 7ft	14.25 x 22.25	16 x 24	R-5	2.77	4.16
VentCool-S3	602603103	2,740	2,210	203.6	10.85	.09	53	3 spd/8hr	18" x 7ft	14.25 x 22.25	16 x 24	R-5	2.95	4.42
VentCool-S4	602603104	4,522	3,647	383.3	9.51	.10	56	3 spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	4.86	7.29
VentCool-S5	602603105	5,224	4,213	657.9	6.40	.15	61	3 spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	5.62	8.43
VenCool-S6.5	602603165	6,065	5,506	425.7	12.93	.07	60	3 spd/8hr	(2) 16" x 7ft	14.25 x 36.25	16 x 38	R-5	7.57	11.01

\*Adequate attic ventilation must be available for the fan to operate efficiently. Recommended 1 sq. ft. of net free ventilation area per 750 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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## DESCRIPTION

VentCool Whole House Fans are mechanical ventilation cooling systems. The occupant-controlled system allows for low temperature outdoor air to be introduced in a home or building through open windows. The indoor air is circulated to cool the living space and exhausted into the attic where it is then vented to the outdoors. Outdoor air will warm relative to the indoor temperature and the low energy ventilation cooling fan is disengaged and windows closed.

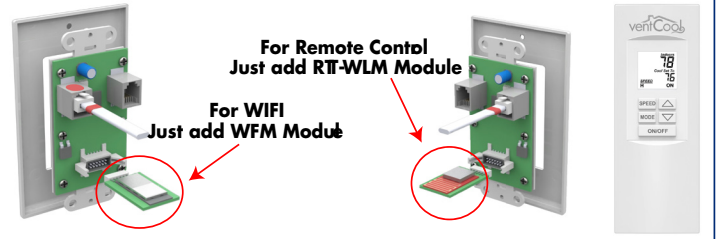
VentCool use up to 90% less energy than standard air conditioning mode.



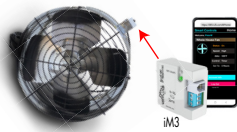
For information on selecting a VentCool whole house fan, contact your local VentCool dealer or call Tech Support at 800-742-8368

Controls Included with WHF		Optional Upgrades		
WTT Digital Wall Mount Temp/Timer/Spd Control with 50 ft. RJ12 Cable P/N: 580011702	FC3JF Fan Relay P/N: 580011801	WLM-RTT Remote Digital Temp/Timer/Spd Control with Remote Mod Interface P/N: 580011704	WFM WiFi Module Interface P/N: 580011705	iM3 WiFi Switch Module Assembly P/N: 580011703

## Look How Easy It Is To Add Wifi Or A Remote Control To Your Fan



## True Wireless Installation Made Easy With iM3



Your Smart Phone is the Control

- Eliminate fishing wire in the wall
- Eliminate use of fixed point wall control
- Just connect iM3 to fan relay in attic and sync

## FEATURES

- AirLoc™ R-5 Gravity Damper with Plaster Guard (PG)
- 20 ft Power Cord with NEMA 5-15 Plug
- Electronically Commutated Motor (ECM)

## ELECTRICAL REQUIREMENTS

VentCool Models	Dedicated Circuit (Amps)	Voltage	Motor HP
S2	15	120v	1/3
S3	15	120v	1/3
S4	15	120v	1/2
S5	15	120v	3/4
S6.5	15	120v	1/3 (2X)



Field Controls  
2630 Airport Rd  
Kinston, NC 28504

Field Controls  
9154 Stellar Court  
Corona, CA 92883

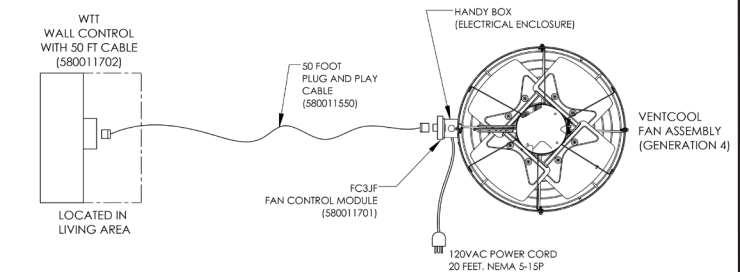
252-522-3031

Fax: 1 (800) 367-7942

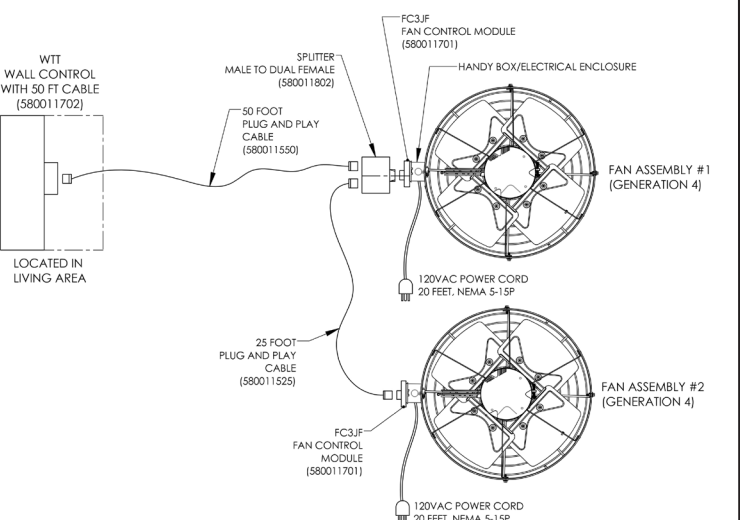
Visit us at [www.fieldcontrols.com](http://www.fieldcontrols.com)

951-277-0304

Form #4420



**WIRING DIAGRAM:**  
**INTERCONNECTION CABLE CONTROL DIAGRAM FOR SUMMIT S2 THROUGH S5 MODELS**



**WIRING DIAGRAM:**  
**INTERCONNECTION CABLE CONTROL DIAGRAM FOR SUMMIT S6.5**