



# 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™ S-Class Series

ECM Motor Fan Assembly



AirLoc™ 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	Fan Airflow (GROSS)	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-S2	2,576	2,078	210.4	9.87	.10	54	3 spd/12hr	16" x 7ft	14.25 x 22.25	16 x 24	R-5	4.16	4.16
VentCool-S3	2,740	2,210	203.6	10.85	.09	53	3 spd/12hr	18" x 7ft	14.25 x 22.25	16 x 24	R-5	4.42	4.42
VentCool-S4	4,522	3,647	383.3	9.51	.10	56	3 spd/12hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	7.29	7.29
VentCool-S5	5,224	4,213	657.9	6.40	.15	61	3 spd/12hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	8.43	8.43
VentCool-S6.5	6,065	5,506	425.7	12.93	.07	60	3 spd/12hr	(2) 16" x 7ft	14.25 x 36.25	16 x 38	R-5	11.01	11.01

\*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.



**FIELD CONTROLS**  
Improving Indoor Environments  
fieldcontrols.com





# Whole House Fans

ULTRA QUIET, SUPER EFFICIENT FREE COOLING



## 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.

MODEL	PART NUMBER
<input type="checkbox"/> VentCool S2	602603102
<input type="checkbox"/> VentCool S3	602603103
<input type="checkbox"/> VentCool S4	602603104
<input type="checkbox"/> VentCool S5	602603105
<input type="checkbox"/> VentCool S6.5	602603165

## FEATURES

- Reduce or eliminate need for compressor-based cooling
- Galvanized Steel fan housing
- 7ft Acoustical Silencer Insulated Flex Duct (2 lths Md. S6.5)
- AirLoc™ R-5 Gravity Damper
- 20 ft Power Cord with NEMA 5-15 Plug
- Electronically Commutated Motor (ECM)
- Digital Wall Mount 3-Speed Control
- Controlled by Timer or Temperature
- 120VAC, 15 Amp Power, dedicated circuit
- Plaster guard (PG)

## ELECTRICAL REQUIREMENTS

VentCool Models	Dedicated Circuit (Amps)	Voltage	Watts	Motor HP
S2	15	120v	210	1/3
S3	15	120v	204	1/3
S4	15	120v	383	1/2
S5	15	120v	658	3/4
S6.5	15	120v	426	1/3 (2X)

## OPTIONAL ACCESSORIES

- Additional RJ12 50ft Cable 580011550
- Connector, F2F RJ12 Straigh 580011503
- Remote Control Kit 580011704



Field Controls  
2630 Airport Rd  
Kinston, NC 28504

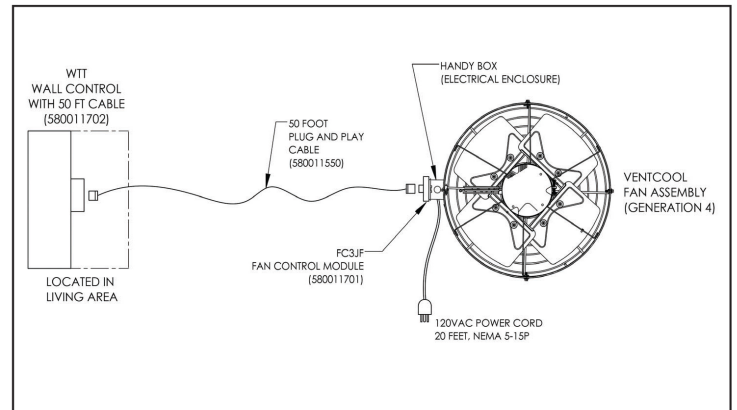
Field Controls  
9154 Stellar Court  
Corona, CA 92883

252-522-3031  
Fax: 1 (800) 367-7942

951-277-0304

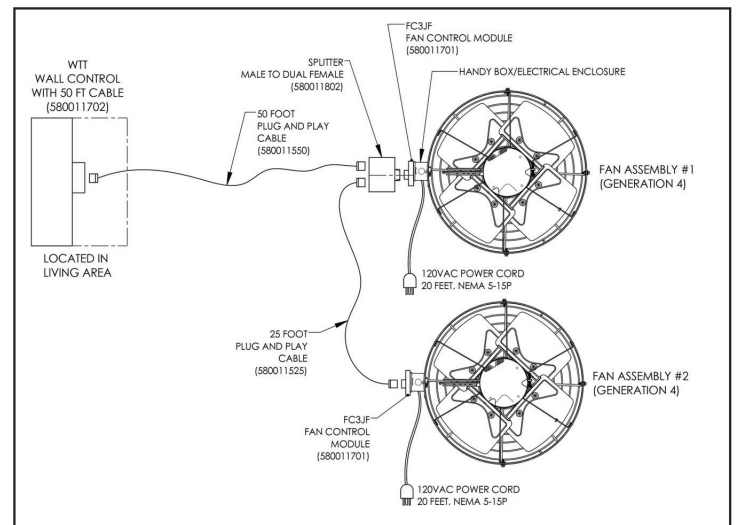
Visit us at [www.fieldcontrols.com](http://www.fieldcontrols.com)

## WIRING



WIRING DIAGRAM:

## INTERCONNECTION CABLE CONTROL DIAGRAM FOR SUMMIT S2 THROUGH S5 MODEL MODELS



WIRING DIAGRAM:

## INTERCONNECTION CABLE CONTROL DIAGRAM FOR SUMMIT S6.5 MODEL