WHOLE HOUSE FANS

ULTRA QUIET, SUPER EFFICIENT FREE COOLING

TAHOE Series

- 4-Blade, **PSC** 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

Model T6.5 Dual Fan Design

Models T2 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.

LIMITED 15 YEAR WARRANTY

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.

Tahoe Series with AirLoc™ Gravity Damper

Model	Part Number	Fan Airflow (GROSS) Sizing 2 cfm/sqft	HVI-916 std. Title 24 (NET) CFM Sizing 1.5 cfm/sqft	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.)
VentCool-T2	602601026	2,369	1,932	295	6.55	.15	54	2 spd/8hr	16" x 7ft	14.25 x 22.25	16 x 24	R-5	2.58	7.7
VentCool-T3	602601036	3,339	2,759	350	7.88	.13	53	2 spd/8hr	18" x 7ft	14.25 x 22.25	16 x 24	R-5	3.68	11.0
VentCool-T4	602601048	4,590	3,640	430	8.47	.12	56	2 spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	4.85	14.6
VentCool-T5	602601056	5,902	4,123	630	6.54	.15	59	2 spd/8hr	20" x 7ft	14.25 x 30.25	16 x 32	R-5	5.50	16.5
VentCool-T6.5	602601066	5,951	4,631	778	5.95	.17	60	4spd Dual Fan	(2) 16" x 7ft	14.25 x 36.25	16 x 38	R-5	6.17	18.5

*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.

FIELDCONTROLS
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Assembled in USA

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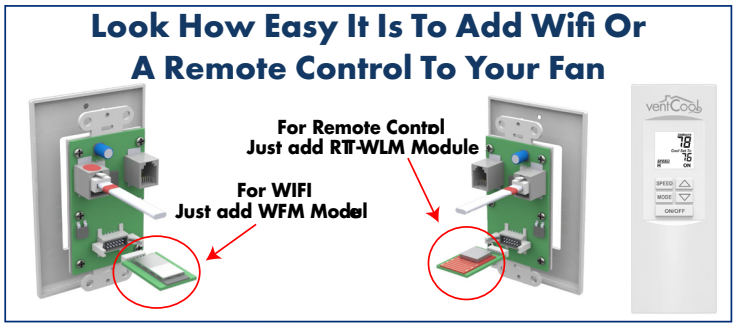
TAHOE Series

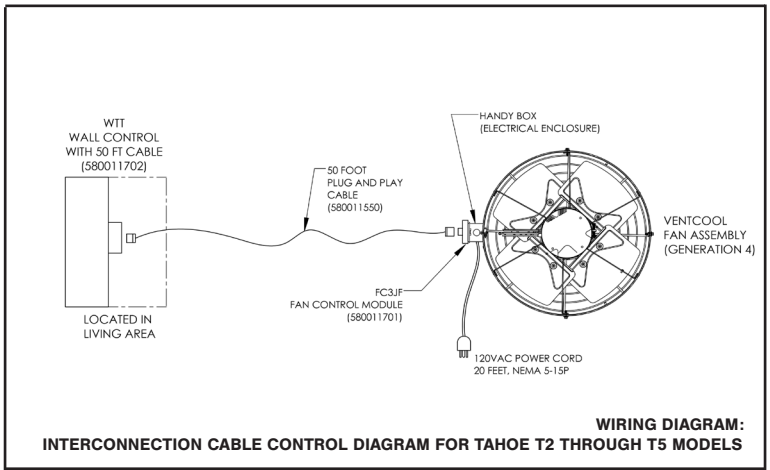
DESCRIPTON

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.

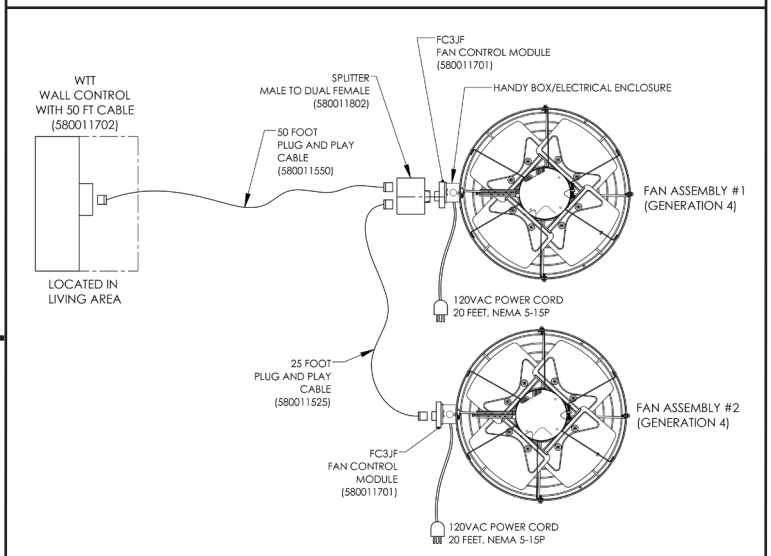


FEATURES

- AirLoc™ R-5 Gravity Damper with Plaster Guard (PG)
- 20 ft Power Cord with NEMA 5-15 Plug
- Permanent Split Capacitor (PSC)



WIRING DIAGRAM:
INTERCONNECTION CABLE CONTROL DIAGRAM FOR TAHOE T2 THROUGH T5 MODELS



WIRING DIAGRAM:
INTERCONNECTION CABLE CONTROL DIAGRAM FOR TAHOE S6.5

ELECTRICAL REQUIREMENTS

VentCool Models	Dedicated Circuit (Amps)	Voltage	Motor HP
T2	15	120v	1/3
T3	15	120v	1/3
T4	15	120v	1/2
T5	15	120v	1/2
T6.5	15	120v	1/3 (2X)

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Form #4420