

SLIMSIX SYSTEM



PRODUCT SHEET

VS-S6

PRODUCT CLASSIFICATION:

Venting Product

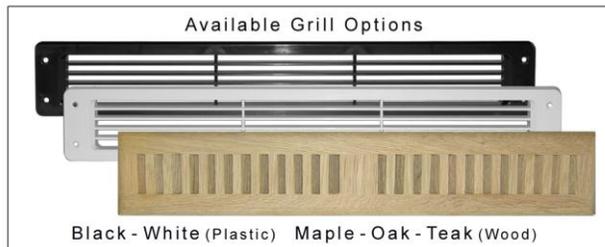
Definitions: Venting Product

Designed to vent and cool a system as a whole. Typical application is to vent cabinets, enclosures, closets, rooms.

Note: This is not intended for rack installation, it will not fit in an equipment rack

DESCRIPTION:

A professional grade ventilation product primarily designed for venting applications that requires a more narrow design such as cabinet toe kick or in doors, top of cabinets... For venting application it includes and utilizes a sleek grill to provide an improved aesthetic.



INSTALLATION OVERVIEW:

For venting applications it is installed by cutting an opening 2 3/8"x15 5/8" into the surface to install the unit (cabinet, door, enclosure...). The fan unit is then mounted into that opening and the grill installs over the unit.

Alternative Mounting Option. With this method, a 2x4" hole is cut which fits a recessed grill, the fan unit is then mounted inside the cabinet over the opening. The opening is sufficient for the airflow of the unit.



PURCHASING INFORMATION:

The unit is offered as a package including fan unit, power supply, and grill (2x15 plastic grill with optional wood grills). Can also utilize 2x4" grills with the units (sold separately).

The unit is also available configured for Intake or Exhaust.

INTAKE CONFIGURATION MOVES AIR FROM FRONT TO BACK



↑ FRONT VIEW ↓

EXHAUST CONFIGURATION MOVES AIR FROM BACK TO FRONT



↑ REAR VIEW ↓

CONTROL OPTIONS:

This unit can be run full time with no controller or it can be turned on and off with a switched outlet on the equipment (if available). Fan speed, thus airflow, can also be manually controlled via the variable voltage power supply with 7 to 9V used for silent operation and 12V used for more aggressive cooling. This product can also be used with Cool Components controllers. The controllers simply plug inline between the power supply and fan unit. The Basic (TC-BSC) controller provides On/Off control and for most applications for this unit, the 88F degree version would be appropriate (TC-BSC-88). The Advanced LT Controller (TC-ALTv2) provides On/Off and Variable Fan Speed control and has 3 modes/set points (80, 90, 100F degree on/off point) and also features an alarm at 115F. The Advanced System Controllers (TC-ASC & TC-ASC2) feature 'all the bells and whistles' (fully programmable, contact closures, trigger...).

The units can also be used with other 12V DC and PWM controllers.



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SPECIFICATIONS: General Specifications

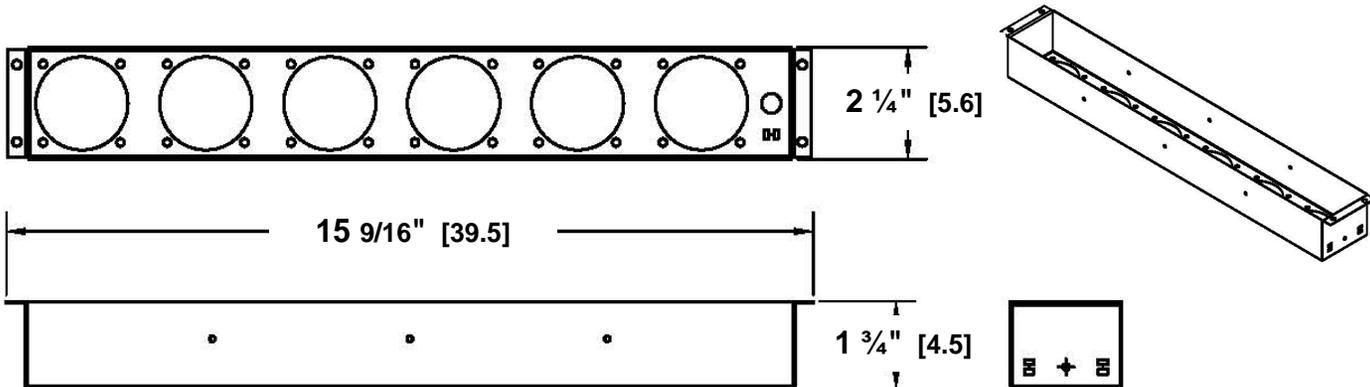
Dimensions: 15 9/16" x 2 1/4" x 1 3/4" / 39.5cm x 5.6cm x 4.5cm (WxHxD)
Construction: Heavy Gauge Steel (Black Powder Coating)
Cooling System: Six Magnetic Bearing Variable Voltage 50mm DC Fans
Life Expectancy: Housing: Lifetime / Fans: 70,000 Hours
Airflow: ~35 cfm to 78 cfm (See note)
Noise: Silent to 29dB dependent on system settings (See note)
Required Hole Size: 2 3/8" x 15 5/8"

Power Specifications Includes PS-600 (Regulated 600mA)

Power: 2-Pin FastWire Power System (Ensure Proper Polarity – Tip to +)
Voltage/Amperage: 7-9V DC for Normal Operation, 12V DC for More Aggressive Cooling
Current: 325mA at 12V DC

Note: There are many challenges and misrepresentations when it comes to CFM and Noise specifications. One issue is limited standards for testing but perhaps the biggest issue is marketers more concerned with 'specs on paper' versus 'in the field'. CCI has been in biz more than 15 years and has the experience, high grade fans and supplies (only company using advanced technology bearings), proper approach (variable speed) and simply a reputation for quality products that operate as designed and specified.

DRAWING FOR HOUSING:



For general representation only

TROUBLESHOOTING:

The product is typically very reliable with very few issues. If the fans stop operating, first step in troubleshooting is if a temperature controller is being used, remove the controller and see if the fans run. Second is to check the power supply by reading the voltage with a voltmeter (or try with another fan unit if available). Ensure while testing that proper polarity is followed (Tip aligned with +). If still not functioning the fans may have failed and require replacement. If the fans makes an odd noise and have ensured nothing is interfering with the fan blades then the fan motor/bearing may have failed which is very rare. Also ensure the unit is not creating any sort of vibrations which can create odd noises.

If require additional assistance, please email support@coolcomponents.com

LONGEVITY & WARRANTY INFORMATION:

This unit is considered a 'lifetime' product. While the fans are rated to last 70,000 hours, the housings will last a lifetime and essentially indefinitely due to the heavy duty steel housing and finishing. Simply replace the fan assembly as necessary and the unit will once again be 'like new' with no need to shop for and re-order complete units...

This product is warranted for 3 years with proof of purchase from an authorized dealer, distributor, retailer. The warranty does not cover products that have been modified, damaged, or used in a way inconsistent with their intended purpose.

For warranty information or to file a claim, please email rainfo@coolcomponents.com