



COOL COMPONENTS
INCORPORATED

AIRFLOW DESCRIPTIONS & APPLICATION CHART

Category 1-5: Five Being Greatest Airflow
Rating is Based on Units Being Run in Whisper Mode (W-CFM)
Max CFM is Listed as 'M-CFM'

Category / CFM Classification	Application / Product	CFM Ratings	Application
Category 1 1-5 ^{CFM}	Appropriate for Cooling or Venting Smaller Components or Systems with Less of a Demand for Cooling and/or Venting		
	Econo-Cooler (CP-EC)	~3 ^{W-CFM} , 4 ^{M-CFM}	Smaller Components or 'Creative' Applications
	Single Fan Unit (CP-SF)	~3 ^{W-CFM} , 4 ^{M-CFM}	Cable/Sat Boxes, DVD Players, Smaller Amps/Receivers
	Slim Vent (VS-SV)	~5 ^{W-CFM} , 11 ^{M-CFM}	Structured Wiring Cans, Projector Enclosures, Cabinets w/Tight Clearances
Category 2 6-20 ^{CFM}	For Cooling Larger Components and Venting Smaller to Mid-Size Cabinets and Enclosures		
	Dual Fan Unit (CP-DF)	~6 ^{W-CFM} , 8 ^{M-CFM}	Amplifiers, Receivers, Video Processors, etc.
	Cabinet Vent (VS-CV)	~8 ^{W-CFM} , 10 ^{M-CFM}	Small to Medium Cabinets & Enclosures. Multiple Units can be used for more demanding applications or for 'push/pull' configurations
Category 3 21-50 ^{CFM}	For Venting Mid to Larger Cabinets and Enclosures		
	HiFlo Lite Vent (VS-CW-103)	~35 ^{W-CFM} , 65 ^{M-CFM}	Larger Cabinets & Enclosures, Closets w/Minimal Airflow Needs
	Universal Cooler (CP-CC-103)	~35 ^{W-CFM} , 66 ^{M-CFM}	Recessed Plasmas, Inside Cabinets, Rack Cooling, Spot Cooling & Venting
Category 4 50-69 ^{CFM}	For Cooling Larger Components and Venting Closets, or Entire Rooms (Very Aggressive Cooling)		
	HiFlo Vent (VS-HFB & VS-HFS)	~60 ^{W-CFM} , 130 ^{M-CFM}	Room & Closet Venting & Large Cabinet Venting
	Component Unit (CP-CC-102-2FN) Basic Model (2 Fans)	~65 ^{W-CFM} , 130 ^{M-CFM}	Amplifiers and Receivers in Racks & Stack Applications
Category 5 70+ ^{CFM}	Extreme Cooling for Larger Components & Venting Racks		
	Component Unit (CP-CC-102-4FN) w/ 4 Fans	~120 ^{W-CFM} , 260 ^{M-CFM}	Large Amplifiers and Drawing Air into Racks
	Component Unit (CP-CC-102-FL) w/ 4 Fans & Exhaust Fans	~135 ^{W-CFM} , 278 ^{M-CFM}	Large Amplifiers, General System Cooling, and for Venting Racks & Systems

Common Installation Scenarios

Install Type	Equipment	Cooling Solution
Cabinet Install: Basic	Receiver, Cable/Sat Box, DVD	Dual Fan Unit for Receiver, Cabinet Vent for Venting Cabinet, Single Fan Unit for Cable/Sat Box (Optional)
	Potential Issues: If the cabinet has doors and the receiver/amp is frequently run at higher volumes or is also being used for distributed audio, additional cooling equipment may be necessary. Consider: Cabinet Vent Package, Single Fan Unit on Cable/Sat Box, Temperature Controller	
Cabinet Install 2: Beyond Basic	Receiver, Cable/Sat Box, DVD Media Server or Additional Amp	Dual Fan Unit for Cooling Receiver, Cabinet Vent Package or HiFlo Lite Vent w/Temp Controller. Single Fan Unit for Cable/Sat Box (Optional)
	Potential Issues: Depending on the type of cabinet, may use the Toe Kick Vent to pull in cooler air.	
Cabinet Install 3: Far Beyond Basic	Rack w/Variou s Components	Component Unit/s and/or Dual Fan Unit for Amps & Receivers, Single Fan Unit for Cable/Sat Boxes, 1 HiFlo Lite Vent w/Temp Controller & Cabinet Toe Kick System OR 1 HiFlo Basic System to Vent Cabinet
	Potential Issues: The key is to not only cool individual components but to also well ventilate the cabinet. This scenario produces significant heat so be conscious to properly protect the system.	
Equipment Closet Install	Various Equipment in Closet	Component Unit/s and/or Dual Fan Unit for Amps & Receivers, Single Fan Unit for Cable/Sat Boxes, HiFlo System to Vent Closet
	Potential Issues: Closet doors should have a gap under the door or other means for air to enter the closet. Do not rely upon HVAC systems to cool or circulate air (HVAC use does not correlate to A/V System Use)	
Projector Enclosures	DLP & LCD Projectors in Enclosure	Slim Vents (2-4 Slim Vents) or Remote Cooler
Structured Wiring Cans	Media Server, Routers, Switches, etc.	Slim Vent (1-2 Slim Vents)
Recessed TV Installs	Recessed LCD & Plasma Installs	Recessed Plasma System or Universal Cooling Unit