SEE // HEAR // FEEL

THE QUIETCOOL DIFFERENCE

PRODUCT CATALOG

2015

QuietCool®

ADVANCED WHOLE HOUSE FANS

QuietCool
ADVANCED WHOLE HOUSE FANS

SAVES

Reduces utility costs.

COOLS

Increased energy savings.

VENTILATES

Better health & increased comfort.

EXHAUSTS

Cleaner and more pristine air.

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QuietCoolSystems.com

QC MANUFACTURING // HEADQUARTERS

COMPANY HISTORY

The QuietCool story is the quintessential American success story, actually invented in a garage!

One day, back in 1999, our founder and inventor – an electrical contractor by trade – was installing a traditional whole house fan into a customer's home when the customer exclaimed, "I wish someone would invent a quiet whole house fan!"

And just like every great American invention that begins in a garage, our founder tinkered and tweaked his prototype QuietCool fan until he had a workable, saleable product.

The first QC-1500 came to market in 2003, and the rest is history. In March 2009, QC Manufacturing was awarded U.S. Patent #7497774 for the QuietCool whole house fan system and we've never looked back.

Today, QuietCool is manufactured and assembled in our 43,000 square foot plant in beautiful Temecula, California.

The entire QuietCool team is committed to building the quietest and most energy efficient whole house fans on the market today. We think you'll agree we're achieving this goal while we continue pursuing the American dream of innovation in the modern "green energy" industry.

QC-1500 // EST. 2003

OUR HANDS-ON // PROCESS

QC MANUFACTURING, INC.

In February 2013, we moved into our new 43,000 square foot facility in order to meet the manufacturing demands anticipated in the coming years.

Besides using multiple fabrication and manufacturing processes, we assemble the entire product line on site. As well, we have a modern Research & Development Department that has produced such innovations as our highest-rated energy-efficient motors used in our Energy Saver (ES) line of fans. We not only have the quietest systems, but our ES fans are rated the most energy efficient by the California Energy Commission, too.

All QuietCool systems are engineered and tested to the highest industry standards in our own airflow testing facility. Our facility is state of the art and uses the accepted standards of the Home Ventilation Institute. By using the HVI-916 standard in our testing operation, we are assured that our airflow claims are accurate before submitting them to the CEC.

Every day we strive to bring new and innovative products to market. From our humble beginnings we now have multiple fan lines for whole house ventilation, attic ventilation, and garage ventilation. With QuietCool, every possible home ventilation configuration is possible.

We operate by the principle that in everything we do, we strive to improve peoples' lives. Our dealers and customers tell us we're succeeding.

TESTING FACILITY // HVI

OUR MODEL HOME // FT. QUIETCOOL

WHAT IS QUIETCOOL?

QuietCool is the revolutionary whole house fan and ventilation product that has taken America by storm. QuietCool users across America experience significant savings when they turn their air conditioners OFF and turn their QuietCool systems ON.

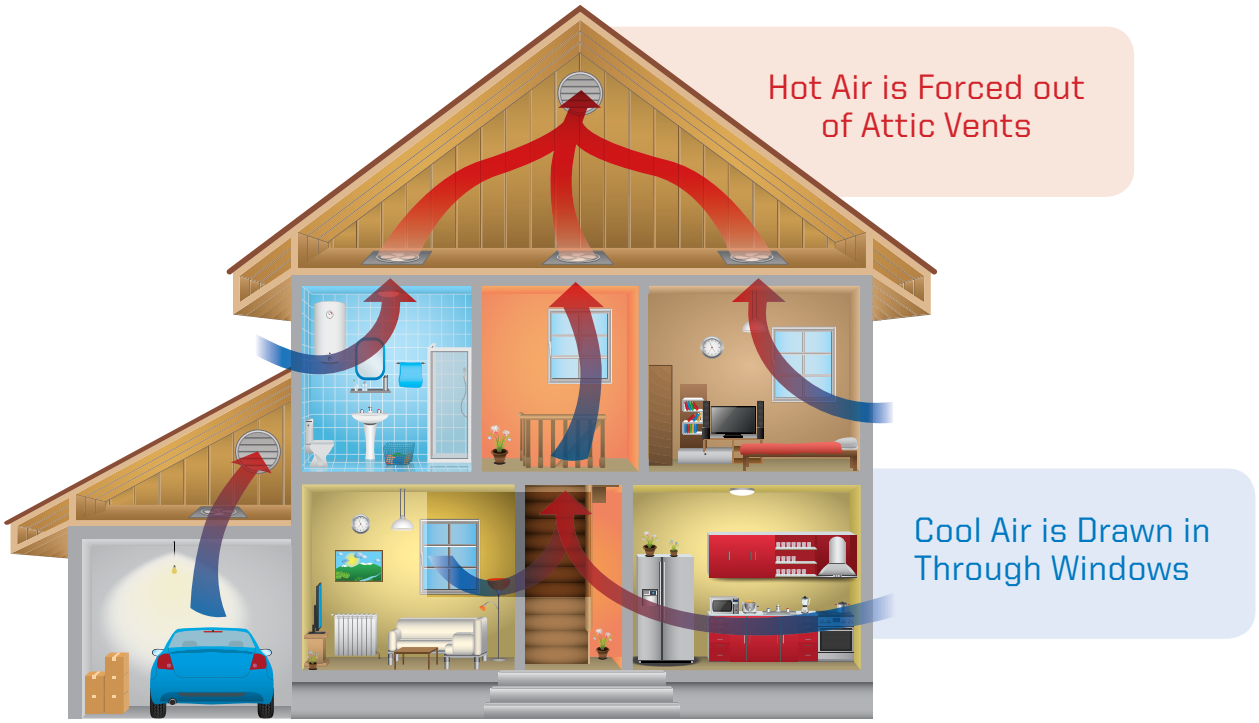
Whole house fans are not new! They have been around since the 1950's, and they do exactly what they claim to do; move a lot of air! Whole house fans were first used as an inexpensive way to ventilate a home, cool it down, and save money. Instead of turning on the air conditioning unit - which uses a lot of electricity, which costs a lot of money - whole house fans were designed as an alternative to A/C.

QUIETCOOL // QC ES-3100

The problem was that the traditional, old fashioned whole house fan sounded like a helicopter in the attic and, as a result, people would turn it on for just a few minutes at a time. And whole house fans need to run for long periods of time in order to do their job properly. We'll talk more about that in a moment, but understand this; no matter how well old fashioned whole house fans worked, nobody liked them because they were so loud!

Then, along came QuietCool! We simply re-invented the mousetrap... made it better, quieter, and more energy efficient!

QuietCool is the patented whole house fan and ventilation system that is whisper-quiet compared to the traditional, old fashioned system. And because it's quiet, people will let it run for hours and hours at a time, allowing the system to do its work!



THERMAL MASS COOLING

Reality talk – what do many people do when they come home after work and it's really hot inside their home, but the outside temperature has nicely cooled down? Instead of turning on their A/C, many people open up their windows and allow a nice cross breeze to enter their home, which not only feels good, but also cools the home down.

Tech talk – The "passive" cross breeze described above becomes an "active" breeze for QuietCool homeowners, and this is the key to thermal mass cooling.

Passive breezes within a home will eventually cool the ambient air to a comfortable level, but will not move enough air to cool the mass within the home.

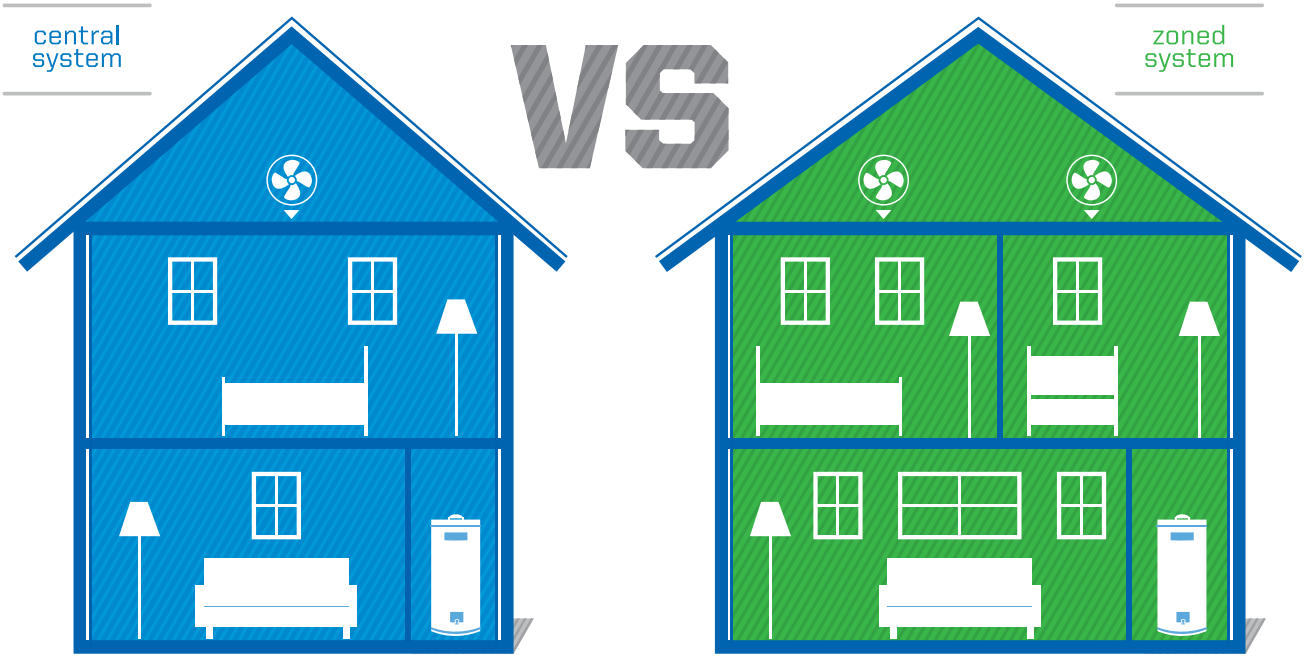
When correctly sized for any size home, a QuietCool system will fully exchange the entire air volume of a home 15-22 times per hour, or about one full air exchange every 3 to 4 minutes

The "active" breeze that is created by a QuietCool system is how QuietCool "works." Mass "cooling" results because the QuietCool system is removing stale hot air and replacing it with fresh cool air; all this occurring at a high rate of speed and volume, 15-22 times per hour.

Therefore, instead of recycling hot, stale ambient air through a closed-loop air conditioning system, the QuietCool system is exchanging hot, stale ambient air with fresh, cool outside air, though an open-loop whole house ventilation system… and at a fraction of the cost of running an air conditioner.

A "cool mass" home does not reheat as much or as quickly as a "hot mass" home. Within a day or two of installing a QuietCool system, homeowners are amazed when they come home after work… it was 90 – 100 ++ degrees outside, and they walk into a home that is… not 90 degrees, but maybe 74, 76 or 78 degrees.

The reason is because the mass of the home has been cooled by the QuietCool system, and thus did not reheat as rapidly throughout the day as a typical home would. The initial reaction from new QuietCool owners is one of amazement and is the reason why so many QuietCool sales are made through referrals.



CENTRAL VS. ZONED SYSTEMS

A centrally installed system is a single fan system that is installed in a central location in the home, as the name implies. A single fan system would typically be installed at the midpoint of a single story home, or at the top of the stairs in a two-story home.

A single QuietCool system will nicely ventilate an entire home, but lacks the individual room control that a zoned system offers. This is what we call a “basic” system.

For the earlier 2000 square foot home example, a Classic or Energy Saver 6400 is a perfect single-fan system that provides the “best” ventilation based on the 3:1 CFM:sq.ft. ratio.

For the same example home, a “good” to “better” single-fan system could be a Classic or Energy Saver 4700 which provides just under 2.5:1 CFM:sq. ft. ratio.

A multi-fan zoned system gives the homeowner maximum control over their ventilation and cooling needs. This is what we call an “advanced” or “superior” system, depending on the line of fans chosen.

All zoned fans can be turned on simultaneously when the entire home needs to be cooled, but a zoned system allows individual bedroom control, for example, and thus zoned systems need to be sized for the zones.

When sizing a zoned system, the combined CFM of all zoned units needs to add up to the total CFM requirements.

As you recall from our previous section “Selecting a System”, our sizing requirements are as follows:

A “good” zoned system would comprise two or more fans whose total CFM = 4000 CFM or more.

A “better” zoned system would comprise two or more fans whose total CFM = 5000 CFM or more.

A “best” zoned system would comprise two or more fans whose total CFM = 6000 CFM or more.

BUILT THE QUIETCOOL WAY

From the beginning, the first models of QuietCool were built from an understanding of ventilation cooling and the benefits of traditional whole house fans. While traditional whole house fans are centrally located, meaning they are designed to pull air through an entire home, and create a cooling breeze, they are anything but ideal. Visualize mounting a small helicopter in the ceiling of your home... the sound levels are horrendous, the louvers are visually unappealing, and leaky rattling dampers allow heat to flow freely into your home during summer, and cold winter drafts during the colder months. On top of all that, installation is clunky, difficult, and most times, it even requires additional cutting, framing, and construction.

QuietCool addresses and resolves all of the aforementioned negatives as well as leading the industry in positive innovations that are backed by US Patent #7497774. The QuietCool system is whisper quiet, ultra efficient, simple to install and carries an industry leading warranty of up to 15 years. Created by a professional electrician, the inventor of QuietCool had first hand understanding of people's desire for the air movement provided by ceiling fans, as well as the fresh air ventilation provided by whole house fans. QuietCool not only provides high volume, fresh-air-ventilation-cooling, but it is also built with integrity, diligence, & innovation in America.

INTEGRITY + DILIGENCE + INNOVATION

Our core values are embedded in all of the products we manufacture. We believe that our products set the standard upon which the industry is built. Because of our consistent performance above and beyond what the industry standards were a decade ago, our products are setting the bar that all other manufacturers are trying to achieve. We are continually pressing to improve our designs, efficiency, and processes to remain at the top of the fresh air ventilation marketplace. We stand behind everything that we do and we are constantly pushing the envelope of innovation in the whole house fan industry.

ENERGY SAVER

LINE FEATURES

- Classic Series
- Energy Saver ECM Motor
- Patented Design
- Built in the USA
- 10 Year Warranty

QUIETCOOL // QC ES-1500

GREAT PERFORMANCE, JAW-DROPPING EFFICIENCY.

New for 2015, the Energy Saver line has been completely revamped. The Energy Saver now uses the same motor housing and damper design as the Classic line which includes a colored motor housing as well as an upgraded R5 barometric pressurized damper system.

Our Energy Saver line offers some of the most energy efficient fans in the world. Some of our fans are even 100-400% more energy efficient than the typical whole house fans you're probably accustomed to.

We built the Energy Saver line to beat the average efficiency of whole house fans. According to the CEC, the standard efficiency for whole house fans are 9.5 CFM per watt. Our Energy Saver line is almost 200% more efficient at an average of 17.9 CFM per watt. With stats like that, how could you choose any other line?

ENERGY SAVER

BUILT IN USA

FULL 10 YEAR WARRANTY

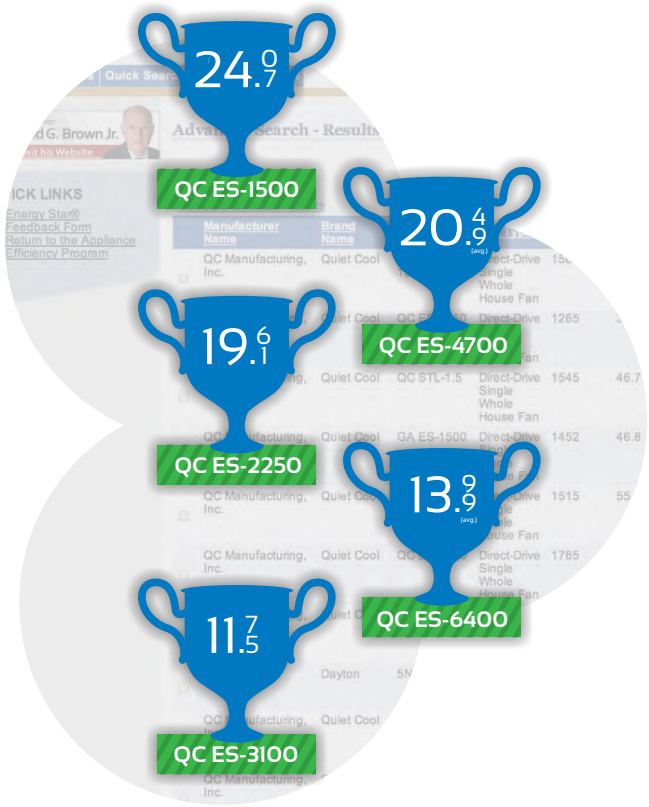
ENERGY SAVER LINE OVERVIEW

The Energy Saver line is the best line in our Classic Series. By using our ECM Brushless motors, our Energy Saver whole house fans are so efficient that they have one of the fastest return on investment (ROI) of any green energy product on the market today! The ROI of the ES line can average under 3 years, depending on how much you use your A/C.

The ES line is a little bit more of an investment over the Classic line, due to the extra costs for the high-efficiency ECM motor. But because it can save you so much off your A/C related electricity costs, you can enjoy the same short term ROI as the Classic Line, but with a better long-term ROI.

Furthermore, all fans within the Classic Series includes a 10 year manufacturers warranty that will guarantee you get the best out of our products for a decade, or more likely, even longer!

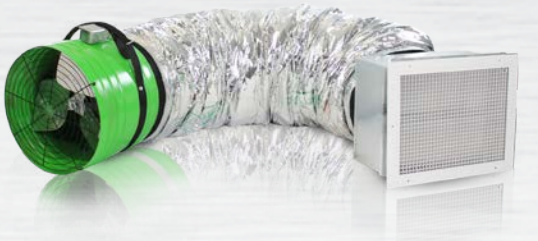
QUIETCOOL ENERGY SAVER FANS HAVE A VERY HIGH CFM PER WATT RATIO



QC ES-1500

Designed for small bedrooms. This fan features single speed operation. Cools and ventilates up to a 725 sqaure foot room.

Watts	Airflow	CFM/Watt	Sound
61	1,468 CFM	24.07	43 DB



QC ES-2250

Designed for larger bedrooms, family rooms, living rooms, or an office. This fan features two speeds. Cools and ventilates up to a 1,120 square foot room.

Watts	Airflow	CFM/Watt	Sound
115	2,255 CFM	19.61	45 DB

QC ES-3100

Designed for large family rooms and small homes. This fan features two speeds. Cools and ventilates up to a 1,550 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
264	3,103 CFM	11.75	48 DB

QC ES-4700

Designed for midsized homes. This fan features three speeds. Cools and ventilates up to a 2,200 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
Lo: 64 Hi: 494	Lo: 2,050 CFM Hi: 4,427 CFM	Lo: 32.03 Hi: 8.96	Lo: 47 DB Hi: 51 DB

QC ES-6400

Designed for midsized to large homes. This fan features four speeds. Cools and ventilates up to a 3,150 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
Lo: 179 Hi: 527	Lo: 2,860 CFM Hi: 6,328 CFM	Lo: 15.98 Hi: 12.01	Lo: 47 DB Hi: 50 DB

OUR MODEL HOME // FT. QUIETCOOL

SELECTING YOUR SYSTEM

Size is very important to a QuietCool system. If a QuietCool system is not sized properly, the system will not work effectively.

We use a general formula of either 2, 2.5, or 3 CFM, or "Cubic Feet per Minute", per square foot of living space. 2 CFM would provide a **good** system, 2.5 CFM would provide a **better** system, and 3 CFM would provide the **best** system.

To calculate how much CFM you need in your home, simply multiply the square footage by 2, 2.5, and 3. This will give you the amount of CFM needed for a **Good**, **Better**, or **Best** system, respectively.

Example (Good System): 2000 sqft x 2 CFM = 4000 CFM needed.
Example (Better System): 2000 sqft x 2.5 CFM = 5000 CFM needed.
Example (Best System): 2000 sqft x 3 CFM = 6000 CFM needed.

There are two other considerations that need to be taken into account when sizing a system:

Location: If located in a coastal region where the climate is cooler, a good system should work great. If located in a desert region where the climate is very hot during the day, but cooler during the night, a best system would make the most sense.

Ceiling Height: If the ceilings in the home are taller than 8 feet, be sure to size the system a little bit larger to account for the increased air volume inside of the home.

After determining the total amount of airflow needed in the system, it is time to select a system.

We offer these three types of systems:

Basic System: Central Cooling with a single QuietCool Classic or Energy Saver fan located centrally in the home.

Advanced System: Zoned Cooling with multiple QuietCool Classic fans in the system.

.**Superior System:** Zoned Cooling with multiple QuietCool Energy Saver fans in the system.

Classic

LINE FEATURES

- Classic Series
- Standard PSC Motor
- The Original QuietCool line
- Patented Design
- Built in the USA
- 10 Year Warranty

QUIETCOOL // QC CL-2250

THE ORIGINAL QUIETCOOL WHOLE HOUSE FAN LINE

The Classic Line was our first whole house fan line that we introduced in 2003. In the past decade the Classic Line has had multiple iterations that perfected airflow, efficiency, and sound levels.

The original Classic line began with just one model, the QC-1500. Installed in single bedrooms, this fan began zoned cooling. A few years later, we introduced the QC-4500, a direct competitor for the big, loud, and obnoxious whole house fans. In a perfect installation, a QC-4500 was installed centrally, and multiple QC-1500s were installed in the bedrooms.

In the last decade, we have expanded our Classic product line to include 5 fans that range from 1500 CFM to 6400 CFM. We have the most diverse line of fans that have applications that work for a small bedroom to a large house!

Classic

BUILT IN USA

FULL 10 YEAR WARRANTY

CLASSIC LINE OVERVIEW

The Classic line is a good mix between efficiency and affordability using our standard PSC motor. This motor is very efficient and very reliable.

The Classic line includes a barometric pressurized damper system that seals at an R5 insulation value to ensure no heat transfer occurs between home and attic during the year when the fan is off.

For colder climates, we also offer an option R40 Winterized Package that will allow you to seal the grille opening at an R40 insulation value during the cold winter temperatures.

The Classic line has a very fast return on investment at an average of just over two years.

Furthermore, the Classic Line includes a 10 year manufacturers warranty that will guarantee you get the best out of our products for a decade, or more likely, even longer!

CLASSIC VS. ENERGY SAVER LINE COMPARISON

	Classic	Energy Saver
Sound Level:	42-51 dB	42-51 dB
Warranty:	10 Years	10 Years
Efficiency:	Standard PSC Motor	Energy Saver ECM Motor
Airflow:	1527 TO 6306 CFM	1468 TO 6328 CFM
Purchase Cost:	$$	$$$
Operational Cost:	$$	$

QC CL-1500

Designed for small bedrooms. This fan features single speed operation. Cools and ventilates up to a 750 sqaure foot room.

Watts	Airflow	CFM/Watt	Sound
156	1,527 CFM	9.78	43 DB

QC CL-2250

Designed for larger bedrooms, family rooms, living rooms, or an office. This fan features two speeds. Cools and ventilates up to a 1,120 square foot room.

Watts	Airflow	CFM/Watt	Sound
Lo: 199 Hi: 252	Lo: 1,829 CFM Hi: 2,285 CFM	Lo: 9.19 Hi: 9.06	Lo: 43 DB Hi: 45 DB

QC CL-3100

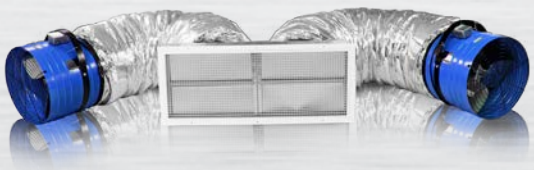
Designed for large family rooms and small homes. This fan features two speeds. Cools and ventilates up to a 1,550 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
Lo: 231 Hi: 320	Lo: 1,906 CFM Hi: 3,190 CFM	Lo: 8.25 Hi: 9.97	Lo: 42 DB Hi: 48 DB

QC CL-4700

Designed for midsized homes. This fan features three speeds. Cools and ventilates up to a 2,300 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
Lo: 491 Hi: 591	Lo: 3,586 CFM Hi: 4,672 CFM	Lo: 7.30 Hi: 7.91	Lo: 48 DB Hi: 51 DB



QC CL-6400

Designed for midsized to large homes. This fan features four speeds. Cools and ventilates up to a 3,150 square foot room for zoned cooling or home for central cooling.

Watts	Airflow	CFM/Watt	Sound
Lo: 329 Hi: 703	Lo: 3,226 CFM Hi: 6,306 CFM	Lo: 9.81 Hi: 8.97	Lo: 47 DB Hi: 50 DB

SPECIALTY SERIES

BUILT IN USA

FULL 15 YEAR WARRANTY

THREE FAN TYPES, UNLIMITED POSSIBILITIES.

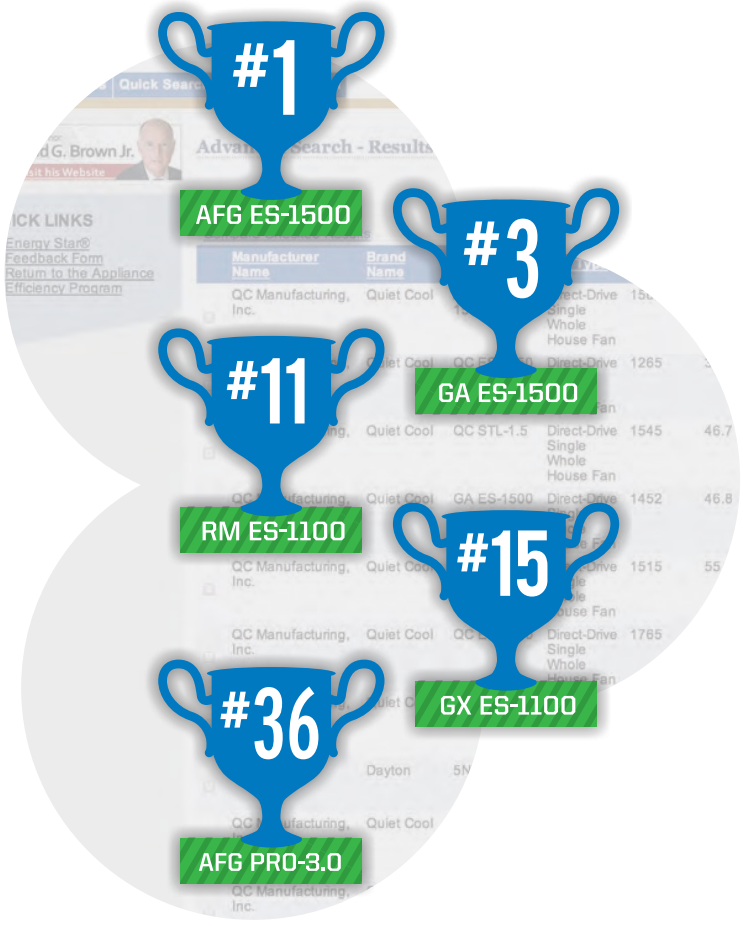
QuietCool offers the most diverse line of Specialty Fans on the market with attic fans, garage fans, and roof mount fans.

Our attic gable fans are the cream of the crop in the attic fan industry. We offer the world's most energy efficient attic fan and the most powerful residential attic fan in this line. With airflow ranging between 1500 and 3000 CFM, wattage ranging between 30 and 250 watts, our attic fans can fit any application imaginable.

Our garage fan line has two different applications. Our GA fan works great for garages with an attic and will cool and ventilate the garage and attic simultaneously. Our GX fan works great for garages without an attic and works great to cool and ventilate the garage.

The fans within our Roof Mount line are our most dynamic fans and can be used in homes, warehouses, or businesses. They can be used with a duct and grille kit for your home or with no duct and grille to ventilate your warehouse or attic.

QUIETCOOL SPECIALTY FANS OCCUPY 5 OF THE TOP 50 ON THE CEC.



*Based on ratings for whole house fans on CEC Appliance Database

AFG ES-1500

Most energy efficient fan in the world. At an astounding 52 CFM/Watt, this fan will cool your attic efficiently and cost effectively.

Watts	Airflow	CFM/Watt	Sound
30	1,560 CFM	52.00	N/A

AFG PRO-3.0

Most powerful residential attic fan in the world. While moving 3,013 CFM, at a puny 250 watts, this fan will cool your attic very quickly and effectively.

Watts	Airflow	CFM/Watt	Sound
250	3,013 CFM	12.05	N/A

GA ES-1500

Designed to cool and ventilate your attic and garage. Unique design includes a 2 hour rated fire damper to ensure garage code compliance while cooling and ventilating your workshop.

Watts	Airflow	CFM/Watt	Sound
47	1,452 CFM	31.03	59 DB

GX ES-1100

Designed to cool and ventilate your garage. Mounts on the wall and vents directly outside to cool and ventilate your workshop.

Watts	Airflow	CFM/Watt	Sound
69	1,103 CFM	15.99	61 DB

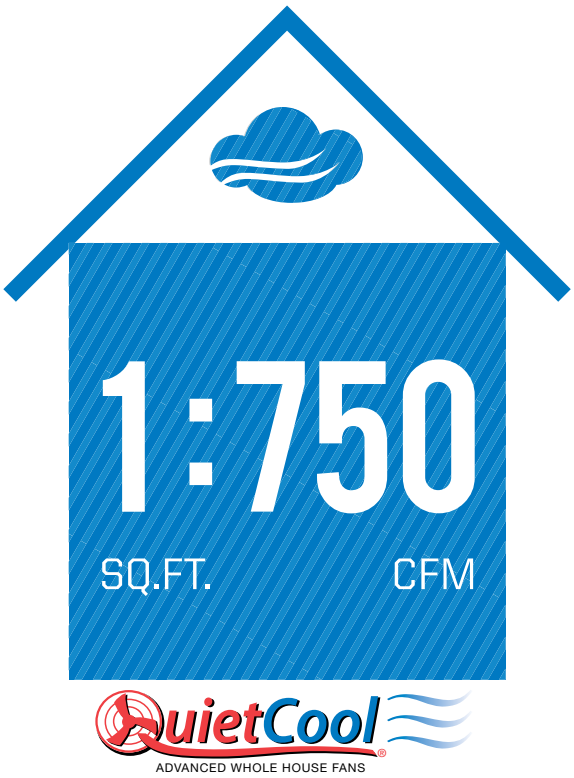
RM ES-1100/2200

Designed to cool and ventilate your attic or your whole home with an optional duct and grille kit. This fan can be used as an attic fan or as a whole house fan with a duct. Conveinent for homes that do not have an attic, but have cathedral ceilings instead.

Watts	Airflow	CFM/Watt	Sound
RM ES-1100: 66 RM ES-2200: 197	1,130 CFM 2,245 CFM	17.12 11.40	48 DB (w/ duct) 51 DB (w/ duct)

= Energy Saver ECM Motor

PROPER VENTILATION
NET FREE AREA VENTING



VENTING YOUR ATTIC FOR QUIETCOOL

Whole house fans vent air from the outside, into the house through open windows, into the attic, and out the attic vents to the outside world. In order for a QuietCool system to run efficiently and effectively, there needs to be adequate attic venting to allow the system to pressurize the air outside.

At QuietCool, we recommend homes have a minimum of 1 square foot of net free vent area (NFVA) for every 750 CFM in the whole house fan system. This minimum recommendation is validated by most third party agencies including the US Department of Energy (DOE) and Pacific Gas and Electrict (PG&E).

Further, the new 2013 California Title 24 home building codes require 1:750 for venting as well.

To calculate the amount of venting needed by fan model, simply divide the CFM specification by 750. This will give you the square footage of NFVA that will be needed.

Example: (1) QC CL-3100 - **3190/750 = 4.25 NFVA**

The venting requirement is not something of concern to most QuietCool purchasers unless the home was built before the mid 1970s. Most homes built since mid 1970 will have adequate venting to vent a basic QuietCool system.

However, for all applications, we encourage contractors and dealers to visually inspect, and if necessary measure, the available venting in any attic in which a QuietCool system is to be installed. Inspecting venting is very easy and takes little time.

PRODUCT SPECIFICATIONS

All of our fans specifications are listed in the following table

Line	Model #	Motor Watts	Motor Voltage	Airflow (CFM)	CFM/ Watt	Sound (DB)	Ins. R-Value	Duct Dia.	Duct Lgth.	Head Dia.	Head Lgth.	Rough Opening	Grill Dim.	Case wt.
ENERGY SAVER	QC ES-1500	61	120	1468	24.07	43	5	14"	6'	14.5"	13.75"	14.25 x 14.25"	16 x 20"	36
	QC ES-2250	115	120	2255	19.61	45	5	16"	6'	16.5"	13.75"	14.25 x 18.25"	16 x 20"	43
	QC ES-3100	264	120	3103	11.75	48	5	16"	6'	16.5"	13.75"	14.25 x 22.25"	16 x 20"	47
	QC ES-4700	Lo: 64 Hi: 494	120	Lo: 2050 Hi: 4427	32.03 8.96	47 51	5	18"	6'	18.5"	13.75"	14.25 x 30.25"	16 x 20"	64
	QC ES-6400	Lo: 179 Hi: 527	120	Lo: 2860 Hi: 6328	15.98 12.01	47 50	5	16"	6'	16.5"	13.75"	14.25 x 36.25"	16 x 38"	87
CLASSIC	QC CL-1500	156	120	1527	9.78	43	5	14"	6'	14.5"	13.75"	14.25 x 14.25"	16 x 16"	36
	QC CL-2250	Lo: 199 Hi: 252	120	Lo: 1829 Hi: 2285	9.19 9.06	43 45	5	16"	6'	16.5"	13.75"	14.25 x 18.25"	16 x 20"	43
	QC CL-3100	Lo: 231 Hi: 320	120	Lo: 1906 Hi: 3190	8.25 9.97	42 48	5	16"	6'	16.5"	13.75"	14.25 x 22.25"	16 x 24"	47
	QC CL-4700	Lo: 491 Hi: 591	120	Lo: 3586 Hi: 4672	7.30 7.91	48 51	5	18"	6'	18.5"	13.75"	14.25 x 30.25"	16 x 32"	64
	QC CL-6400	Lo: 329 Hi: 703	120	Lo: 3226 Hi: 6306	9.81 8.97	47 50	5	16"	6'	16.5"	13.75"	14.25 x 36.25"	16 x 38"	87
SPECIALTY SERIES	AFG ES-1500	30	120	1560	52.00	N/A	N/A	N/A	N/A	14"	10"	N/A	N/A	14
	AFG PRO-3.0	250	120	3013	12.05	N/A	N/A	N/A	N/A	16"	10"	N/A	N/A	16
	GA ES-1500	47	120	1452	31.03	59	N/A	N/A	N/A	N/A	26"	14.25 x 14.25"	16 x 16"	24
	GX ES-1100	69	120	1103	15.99	61	N/A	N/A	N/A	18"	8"	14.25 x 14.25"	16 x 16"	24
	RM ES-1100	66	120	1130	17.12	48*	N/A	14"	N/A	14.5"	N/A	14.25 x 14.25"	16 x 16"	43
	RM ES-2200	197	120	2245	11.40	51*	N/A	16"	N/A	16.5"	N/A	16.25 x 16.25"	16 x 20"	48

*With optional RM duct kit.

Quietcool is Proudly Designed and Built in California

QC Manufacturing Inc.
MAKER OF THE QUIETCOOL WHOLE HOUSE FAN SYSTEMS

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