

WHAT SIZE FAN DO I NEED?

- Whole house fans are rated in CFM (Cubic Feet of air moved per Minute).
- The higher the CFM, the more powerful the fan.
- To determine the proper size fan, multiply the living space square footage by 3, or use the chart below.
- Remember, a whole house fan pulls air from open windows through the home and exhausts it into the attic. When installing a whole house fan, make sure that the attic is well ventilated with a balanced amount of attic intake vents and exhaust vents.
- When it's running, the whole house fan uses the entire attic ventilation system (both the attic intake vents and exhaust vents) as its source of "exhaust" vents. Refer to the chart below to determine if the whole house fan has enough "exhaust" area (the formula used is $\text{Fan CFM} \div 750 = \text{Exhaust Area Needed}$).

| Whole House Fan Model/Size | CFM | Home Square Footage* | Exhaust Area Needed |
|----------------------------|-----|----------------------|---------------------|
|----------------------------|-----|----------------------|---------------------|

DIRECT-DRIVE

| | | | |
|--------------|------|------|-------------|
| WH242MLX/24" | 3500 | 1500 | 6.0 sq. ft. |
|--------------|------|------|-------------|

BELT-DRIVE**

| | | | |
|--------------|------|------|-------------|
| WH302BDX/30" | 5700 | 1900 | 7.6 sq. ft. |
| WH362BDX/36" | 6900 | 2300 | 9.2 sq. ft. |

* If house square footage exceeds recommendation, the fan will still ventilate but it will be at a lower air change rate.

** An optional Wireless Switch Kit is sold separately. Kit includes remote or mountable single on/off switch, double wall mount on/off switch, and a 2-channel relay receiver that mounts to the fan.



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WHOLE HOUSE FANS

COOL YOUR HOME AND HELP SAVE ENERGY



Belt-Drive Motor



Direct-Drive Motor

WHOLE HOUSE FANS

Improve Air Quality

Provide Comfort Cooling

Lower Cooling Costs



YouTube™

HOW DO I KNOW IF I SHOULD CONSIDER A WHOLE HOUSE FAN FOR MY HOME?

If you live in a climate which doesn't require air conditioning but your home needs cooling ventilation, you may want to consider a whole house fan.

If you already have an air conditioner and want to use it less, you may also want to install a whole house fan.

The fan helps your home feel cooler faster than your air conditioner, and by altering usage between your whole house fan and air conditioner, you can effectively cut your energy bills.

If you have air conditioning, you know how hard it works to keep your home cooled (especially in a home with two floors). Often, the upper floor is considerably warmer than downstairs. This can put quite a strain on your air conditioner and your wallet.

Adding a whole house fan can help. Running the whole house fan during early morning and evening hours, and using your air conditioner during peak mid-day heat helps save energy costs.



Automatic Shutter

Whether you have air conditioning or not, installing an Air Vent Whole House Fan can help keep your home feeling cool and fresh.

HOW DOES A WHOLE HOUSE FAN WORK?

A whole house fan cools and circulates interior air by pulling fresh outside air into your home. Your open windows act as intake "vents," varying the airflow depending on how many windows are opened. The air is pulled in and circulated through your home, pushing the stale, overheated air into your attic. It is especially important that your home have adequate attic intake vents (installed in the eave/soffit or low at the roof's edge) and exhaust vents (installed high on the roof at or near the ridge or in the gable end) so that this air can be vented out of the attic. See "What size fan do I need?" for more information on attic vent requirements.

WHAT TYPES OF WHOLE HOUSE FANS ARE THERE?

Whole house fans are installed in the attic, usually over a central hallway, and are available in two different motor styles: (1) belt-drive and (2) direct-drive.



Belt-Drive Motor

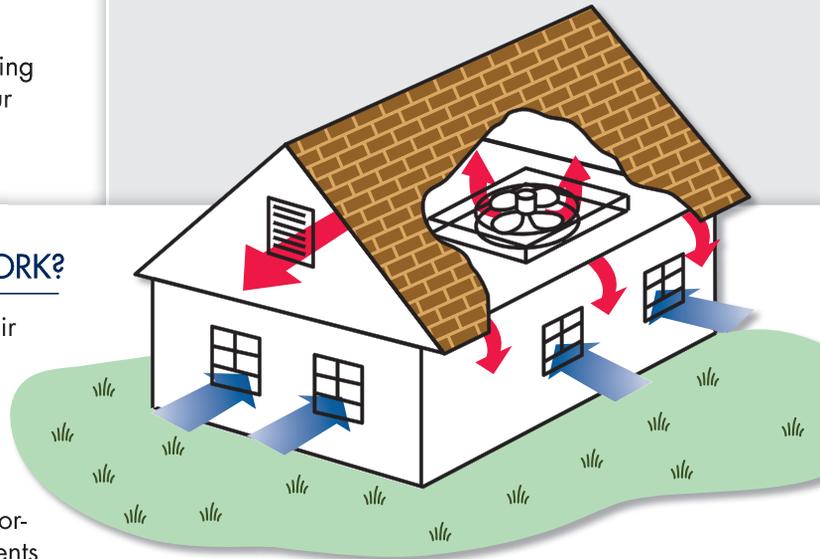
A belt-drive whole house fan has a motor mounted just above and to the side of the fan, resulting in a smoother, quieter operation. It has a 2-speed wall switch. An optional Wireless Switch Kit is sold separately.



Direct-Drive Motor

Direct-drive whole house fans have a motor attached to a powerful fan and are easy to install since no attic joists need to be cut. It has a 2-speed pull chain.

Both direct- and belt-drive fans come with an automatic shutter and complete installation instructions.



A whole house fan pulls in fresh outdoor air through open windows. Hot, stale air is pulled into the attic, where it can be exhausted outside through the attic vents.