

# ENVIROFAN Q & A

## Church Installations

Over the past 25 years, thousands of Envirofans have been successfully installed in churches throughout the U.S. for winter heat recovery and summer cooling. Envirofans can help tremendously with air movement and comfort in the church, however, a church is different from a factory or a warehouse, and there are several different factors to consider.

A church typically has a cathedral ceiling that requires scaffolding and special mountings, and can have an outspoken congregation, so it is very important to "do it right the first time". You want a quality fan that will move air, but you also want to make it clear to the church that these are industrial fans – not residential. Placement of the fans should be planned out carefully so that the fans can be creating air movement without creating a draft. Also, the fans should be controlled in small groups so that if one person or area does not want the air movement, all of the fans do not need to be turned off. Lastly, do not plan a last minute installation. Order the fans in advance, and encourage the installer to pre-check the fans to avoid call-backs or reinstallation frustrations.

Below are the answers to some common questions asked by our customers regarding the special considerations of church installations. Following these simple guidelines can help provide a successful installation for you.

- 1. IS AN INDUSTRIAL OR RESIDENTIAL TYPE CEILING FAN MORE EFFECTIVE?**

Use the three bladed industrial type ceiling fan. Three blades move more air more quietly and efficiently than four or five blades. Also, the metal blades will not split or warp as plastic or wood blades might.
- 2. WHICH MODEL ENVIROFAN SHOULD WE USE?**

Use the Gold Line 160F-7. The cost of installation is the same for a discount priced fan as it is for a high quality, reliable ceiling fan. Do it right the first time. In many cases, the installation costs can be many times the cost of the fan.
- 3. ARE THE FANS EFFECTIVE FOR BOTH HEATING AND COOLING?**

As well as bringing the hot air down and reducing heating costs in the winter, the fans do an excellent job of cooling the church in the summer. If the church has air conditioning, the thermostat can be raised from 72 degrees to 80 degrees Fahrenheit and the fans will provide the same level of comfort while saving on the air conditioning bill.
- 4. HOW DO WE MOUNT FROM SLOPED CEILINGS?**

All Envirofans come with a standard 10" downrod. If the ceiling is steeply sloped, order 30" downrods to allow for blade clearance. If there are no joists or beams available, order Envirofan's Sloped Ceiling Adapter Kit (SCAK) to fill in the space between the sloped ceiling and the mounting hardware.

5. **HOW MANY CONTROLS SHOULD WE USE?**  
Northwest carries a full line of controls that will control from one to fifteen fans. In low ceiling or people oriented areas, use individual controls or a control for each area. This will give more individual control of the fans to minimize people problems and to control fan speeds in different areas as needed.
  
6. **WHICH TYPE OF CONTROLS SHOULD WE USE?**  
Envirofan offers solid state infinite speed controls. Our fans run very quietly, however when solid state speed controls are used a humming noise can be present in any ceiling fan. This is typically known as a "Hertz hum" and the intensity can vary from barely audible to annoying, depending on the A-C sine characteristics of the local power company's supply transformers and the wiring in your building. In an industrial environment this is of little concern. In a church it is of utmost importance. If you find that you have a Hertz hum audible in your installation, we recommend that you seek a dehummer or transformer control. The transformer control completely eliminates this Hertz hum. We do not offer this control as the demand is very low, however local lighting stores usually offer a transformer control for a reasonable cost.
  
7. **IF I INSTALL MULTIPLE FANS WILL THEY RUN AT THE SAME SPEED?**  
Multiple fans running from a single control will not necessarily run at exact uniform speeds because of inherent variances in individual motion and voltage supply.
  
8. **ARE SPECIAL COLORS AVAILABLE?**  
Envirofans come standard with a white finish. Our model 160F-7 is also available in a semi-gloss black finish. Our Model 60F-9 is also available in a matte brown or chrome finish. If another color is desired, the white fans may be easily painted with a spray can of enamel to match any interior.
  
9. **PRE-CHECK YOUR FANS.**  
Check each fan before going to the job. Hang the fan on a hook (without the blades) and run it before installation to ensure that the fan is satisfactory. We have a less than ¼ of 1% return rate on our fans, but to avoid call backs and reinstallations with scaffolding, we recommend this pre-check policy. Please note that Envirofan does not reimburse for removal, transportation or reinstallation charges for failed fans.

**From Northwest Environmental Systems, Inc.**  
**Envirofan Overhead Ceiling Fans - Protecto-Guard Ceiling Fan Guards**

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