

Under Sizing HVAC Equipment with ZONING

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Recently, we have heard that some of our less experienced competitors have been stating that, **“With ZONING, HVAC equipment can be undersized by 30 percent”**. There is absolutely NO fixed percentage that can accurately determine equipment undersizing with ZONING. Every job is different. If anybody gives you a specific percentage (20%, 25%, 30%...whatever), it is not based on facts. Ask anybody making such statements to explain exactly how the percentage was determined. Also, ask “What happens when it is 98 degrees outside and all zones are calling for cooling”?

When **COMFORT Solutions, Inc.** was founded in 1996, ZONING had not become a widely accepted method of providing indoor comfort that it is today. Back then, the majority of ZONING installations were installed without adequate training. Many installations were a disaster because systems were undersized and/or improperly installed. To make matters worse, ZONING systems in those days were more complicated and not nearly as reliable as today.

Under some circumstances, HVAC equipment may be undersized slightly by using ZONING. But, we do not recommend any equipment under sizing unless an accurate “block load calculation” has been made. A block load calculation determines the maximum load at different times throughout the day. For example, the maximum load at 10:00 AM and 3:00 PM may shift from one area to another, but that does not necessarily guarantee that the total load is any less at those two different times of day.

As ZONING specialists, **COMFORT Solutions, Inc.** has professionally trained more HVAC contractors in the Carolinas than anybody else. We are proud of our record of providing training, unequalled technical support and sound advice about ZONING systems. Anytime a ZONE system does not perform as it should, it is a black mark against ZONING...our livelihood. With the proper training, any HVAC contractor can install ZONING right the first time and every time. **At COMFORT Solutions, Inc., “ZONING is our business”**.

Next time anybody tells you something about ZONING that they cannot adequately explain, call the experts at **COMFORT Solutions, Inc.**



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