WHAT IS ASHRAE 62.2?

ASHRAE Standard 62.2-2007, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings, is the national ventilation standard of design for all homes and up to three-story multifamily buildings. 62.2 allows exhaust, supply, or balanced ventilation, meaning that a simple exhaust fan or supply fan can be used, or these flows can be balanced with both a supply fan and an exhaust fan, with or without heat recovery. It is up to the designer or builder to decide if filtration, tempering, or dehumidification is required, based on where the house or building is built.

With the WhisperGreen, all it takes for a builder to meet 62.2 is to upgrade one or two bath fans and set the low flow continuous rate in accordance with the table on the next page. That is it. So now the cost to meet any of these Green programs is the cost of upgrading one fan. Another option is to use a WhisperComfort ERV, with the 40 cfm of exhaust covering all or a portion of the required 62.2 continuous rate. Add a WhisperGreen in the Master Bath and you can provide up to 120 cfm total, covering most houses.

There is no requirement in 62.2 for distribution of the outdoor air, but in a large house it may be desirable to exhaust from more than one location. It is much less complex, less expensive, and quieter to install two WhisperGreen fans rather than the competitions SmartSense system that operates at three times the required rate for one-third of the time. Some builders want to use the airhandler to pull in the air and possibly provide some filtration, but that is a 300+ watt motor working to bring in what can be done for under 10 watts with a WhisperGreen fan, which is a $2-300 savings per year. It is also nearly impossible to control the amount of outdoor air being pulled into the return air plenum of the airhandler to be distributed to the house. So keep it simple - use a WhisperGreen fan or WhisperComfort ERV. A WhisperGreeen fan costs only about $15 per year to operate continuously, 24/7.

The ASHRAE 62.2 fan sizing is based on total square footage of the home and number of bedrooms. The formula is; (total square footage of the home/100) + ((number of bedrooms+1) X 7.5 cfm). For example; a 2500 square foot house with 3 bedrooms needs ((3+1) x 7.5) + (2500/100) = 30 + 25 = 55 cfm. ASHRAE 62.2 makes the sizing easy by providing the following table:

Floor Area	**BEDROOMS**				
	0-1	**2-3**	**4-5**	**6-7**	**>7**
< 1500	30	45	60	75	90
1501 - 3000	45	60	75	90	105
3001 - 4500	60	75	90	105	120
4501- 6000	75	90	105	120	135
6001 - 7500	90	105	120	135	150
>7500	105	120	135	150	165