

Whole Home Ventilation Guidelines



Overview

The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) has established guidelines that have been accepted in every state that provides solutions to the problem of increasing levels of indoor contaminants and mold growth in residential buildings. After years of intensive study and research, the ASHRAE 62.2 guidelines for Whole House Ventilation Requirements are:



$(\text{square footage of the home} / 100) + ((\text{number of bedrooms} + 1) \times 7.5 \text{ cfm})$.

ASHRAE 62.2 FOR WAP

Table 4.1a: Minimum Ventilation Air Requirements, CFM, New Buildings¹

Floor Area (ft ²)	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



Two speed fans can be used to achieve spot ventilation for the removal of moisture and odor while on high. Once the fan is switched to the lower speed, it remains on continuously to provide whole home ventilation.



Controls should be marked “To remain on while home is occupied”

