

How Much Whole House Ventilation Do I Need For Inside My Home?

Use this chart from Alaska Building Energy Efficiency Standard (BEES) 2007. Find the square footage of the house and the number of bedrooms. The resulting number will tell you how many cubic feet per minute (cfm) of air needs to be ventilated in the home.

Number of Bedrooms	0-1	2-3	4-5	6-7	>7
<1500 ft ²	35	55	75	95	115
1501-3000	50	70	90	110	125
3001-4500	65	85	105	125	145
4501-6000	80	100	120	140	160
6001-7500	95	115	135	155	175
>7500 ft ²	110	130	150	170	190

For example, if you have a 2400 square foot house with 3 bedrooms, you will need a whole house exhaust fan, or other ventilation equipment, that will ventilate at the rate of at least 70 cfm. Remember poor installation may downgrade the rated cfm of your ventilation system. Also, fans should be no louder than 1 sone and be on a timer or other automatic control. Always check local codes and additional requirements.

For more information contact:

Alaska Housing Finance Corporation (AHFC)

Research Information Center (RIC)

www.ahfc.us (click on Energy)

1.800.478.4636 (Alaska) 1.907.330.8164 (Anchorage & Outside Alaska)

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