ATTIC VENTILATION RECOMMENDATIONS FOR BEST EVAPORATIVE COOLER PERFORMANCE

Instructions: (A) Measure home's total living area. (B) Calculate Gross square footage of attic ventilation louvers. (C) Apply data from chart.

Approximate overall square footage of	1,030	1,250	1,400	1,500	1,800	2,400	2,700
living areas of home = outside	Gross	Gross	Gross	Gross	Gross	Gross	Gross
W x L (with typical 8' ceilings)	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft
Approximate net square foot area of	850	1,030	1,180	1,280	1,565	2,060	2,400
home (inside living space after	Net	Net	Net	Net	Net	Net	Net
deducting walls, closets, etc.)	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft	Sq-Ft
Indicated nominal gross capacity of	3.300	4.000	4,500	5,500	6,500	7,500	8,500
existing or proposed evaporative	Nom. Hi-Spd	Nom. Hi-Spd	Nom. Hi-Spd	Nom. Hi-Spd	Nom. Hi-Spd	Nom. Hi-Spd	Nom. Hi-Spe
cooling unit(s)	CFM	CFM	CFM	CFM	CFM	CFM	CFM
Approximate net capacity of cooler	2.800	3.380	3.900	4.240	5.160	6.800	7.860
at .3" external static pressure	Net Hi-Spd	Net Hi-Spd	Net Hi-Spd	Net Hi-Spd	Net Hi-Spd	Net Hi-Spd	Net Hi-Spd
(or "air friction".)	CFM	CFM	CFM	CFM	CFM	CFM	CFM
Approximate cubic foot per minute per							
square foot of net home area	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Number of minutes required for complete change of home air	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	2. -T	2.7	2. ¬	2.7	∠.⊤	2.⊤	2.7
Square feet of 60% free-air attic louver							
face area required for adequate	F 7	0.0	7.0	0.5	40.0	40.0	45.7
attic ventilation	5.7	6.8	7.8	8.5	10.3	13.6	15.7
Possible minimum existing square foot face							
area of 60% free-air attic venting	3.1	3.7	4.2	4.5	5.4	7.2	8.1
Possible square foot deficiency of existing attic ventilation of 60% free-air					-		
face area louvers	2.6	3.1	3.6	4	4.9	6.4	7.6
SUGGESTED OPTIO	NS FOR THE	: IMPRO	VEMENT	OF ATT	IC VENT	TILATION	V
Increase sq. ft. face area of existing 60% free-air gable-end or other attic venting louvers	2.6 Sq-Ft	3.1 Sq-Ft	3.6 Sq-Ft	4.0 Sq-Ft	4.9 Sq-Ft	6.4 Sq-Ft	7.6 S q-Ft
OR add rotary roof ventilators to compensate for inadequate existing ventilation louver area	2- 12"	3- 12"	3- 12"	3- 12"	4- 12"	5- 12"	6- 12"

NOTE: Guidelines suggested above are estimates and may not reflect specific conditions of any individual home or the performance of any specific evaporative cooling unit. INSTALL 1 UP-DUX CEILING VENT FOR EACH 900 CFM COOLER'S NOMINALLY RATED HIGH SPEED AIR FLOW CAPACITY!