

Envisivent Air Flow Data



Supply Vents

				Core Velocity [FPM]	300	400	500	600	700	800	1000	1200	1400
Product Identifier	Opening Width [in]	Opening Height [in]	Core Area [ft ²]	Core Velocity Pressure [“wc]	0.006	0.010	0.016	0.022	0.030	0.040	0.062	0.090	0.122
Air Supply 10 x 6	9	5	0.3125	Flow [CFM]	63	85	106	127	148	169	212	254	296
				Static Pressure [“wc]	0.016	0.029	0.045	0.065	0.088	0.115	0.180	0.259	0.352
				Throw [ft] (150 100 50)	3 4 8	3 5 10	4 6 13	5 8 15	6 9 18	7 10 20	13 25	10 15 30	12 18 35

Notes:

1. The test procedures are based on ASHRAE 70.

2. Core Velocity – The average airstream velocity at the face of the grille, measured in feet per minute.

3. Core Velocity Pressure – The dynamic pressure of the airstream at the grille face. This pressure is relative to the core velocity and reported in inches of water (“wc)

4. Flow Rate – The volumetric rate of airflow through the grille, measured in cubic feet per minute (CFM)

5. Static Pressure – The air pressure difference across the grille at a given flow rate or velocity, measured in inches of water (“wc).

6. Throw – The distance away from a supply grille (i.e. perpendicular to the grille face) where the airstream velocity has slowed to a particular envelope velocity.

7. PER = PERMANENT/REM = REMOVABLE.

tested by:  Airflow Sciences Corporation