

Aria Vent: OG 4"X12" Air Flow Specifications

Model	Face Velocity (fpm)		500	800	1100	1400	1700	2000	2300	2600	2900	3200
	Terminal Velocity (fpm)		50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150	50, 100, 150
Aria OG 4"X12"	Area Factor (Ak) 0.058	CFM	29	46	64	81	99	116	133	151	168	186
		SP (in., wg)	0.010	0.025	0.048	0.078	0.115	0.159	0.210	0.268	0.334	0.406
		NC	0.00	0.00	0.00	17	21	25	28	31	33	35
		Throw (Ft.)	2,<2,2	10,6,4	15,11,8	19,14,11	22,17,13	25,20,15	27,22,17	30,23,18	31,25,20	33,26,21

Note:

1. Performance Data is Based on ASHRAE 70-06
2. CFM: Standard air density and isothermal conditions.
3. Static Pressure (SP): Inches of water gauge.
4. Face Velocity: Face discharge velocity in feet per minute (fpm).
5. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face.
6. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].
7. Dashed line [-] in SP Box indicates Static Pressure is less than 0.01 in w.g.
8. Noise Criteria: NC Level is based on Room Attenuation of 10 db (Sound Power Level Re: 10-12 watts) with one diffuser operating.
9. Zero [0.00] in NC Level indicates NC of less than 15.

Test Method:

The diffuser was tested in accordance with the ASHRAE 70-2006 Standard "Method of Testing for Rating the Performance of Air Outlets and Inlets", which incorporates ADC 1062: GRD-84 Test