

PERFORMANCE DATA

Air Pattern	Unit Size (in.)	Air Flow (cfm)	Static Pressure (in. w.g.)	Total Pressure (in. w.g.)	Sound (NC)	Throw (ft.) 100-75-50 fpm		
						Vertical	Horizontal	
1-Way Blow	12 x 24	50	0.003	0.004	-	1-1-1	1-1-1	
		100	0.011	0.016	-	1-2-2	1-1-2	
		150	0.025	0.036	-	2-2-3	1-2-3	
		200	0.045	0.064	15	2-3-3	2-2-5	
		250	0.07	0.1	23	3-3-4	2-3-6	
		300	0.1	0.144	29	3-3-4	3-5-7	
		350	0.136	0.196	34	3-4-4	4-6-8	
		400	0.178	0.256	39	3-4-4	5-6-8	
	12 x 48	100	0.00	0.01	-	0.5-0.5-1	0.5-0.5-1	
		150	0.01	0.02	-	0.5-1-1.5	1-1.5-1.5	
		200	0.02	0.04	-	1-1-2	1-1.5-2	
		250	0.03	0.06	18	1-1.5-2	1.5-2-3	
		300	0.04	0.09	23	1.5-2-2.5	1.5-2.5-3.5	
		350	0.06	0.12	28	1.5-2-3	2-2.5-4	
		400	0.07	0.15	32	2-2.5-3.5	2.5-3-4.5	
		450	0.09	0.19	35	2-2.5-4	2.5-3.5-5	
	24 x 24	500	0.11	0.24	38	2.5-3-4.5	3-4-5.5	
		100	0.00	0.01	-	1-1.5-2.5	0.5-1-1.5	
		150	0.01	0.02	-	2-2.5-3.5	1.5-1.5-2	
		200	0.02	0.04	-	2.5-3.5-4	2-2-2.5	
		250	0.04	0.07	18	3-3.5-4.5	2-2.5-3	
		300	0.05	0.10	23	3.5-4-5	2-2.5-3	
		350	0.07	0.13	27	4-4.5-5.5	2.5-2.5-3	
		400	0.09	0.17	31	4-4.5-6	2.5-3-3.5	
	24 x 48	450	0.12	0.22	34	4.5-5-6	3-3-3.5	
		500	0.14	0.27	37	4.5-5.5-6.5	3-3.5-4	
		300	0.01	0.02	-	1.5-2-2.5	0.5-1-1.5	
		350	0.02	0.03	-	1.5-2-3	1-1.5-2	
		400	0.02	0.04	-	2-2.5-3.5	1-1.5-2	
		450	0.03	0.05	-	2-2.5-4	1-1.5-2	
		500	0.03	0.06	-	2.5-3-4.5	1-2-2.5	
		600	0.04	0.08	21	2.5-3.5-5.5	1.5-2-3	
	2-Way Blow	24 x 24	700	0.06	0.11	26	3-4-6	1.5-2.5-3
			800	0.09	0.15	31	3.5-5-7	2-2.5-3.5
			900	0.11	0.19	36	4-5-8	2-3-4
			1000	0.13	0.23	40	4.5-6-9	2.5-3-4.5
200			0.02	0.04	-	1-1.5-2.5	0.5-1-1.5	
250			0.03	0.06	-	1.5-2-3	1-1.5-2	
300			0.04	0.09	22	2-2.5-3.5	1.5-1.5-2	
24 x 48		350	0.06	0.12	27	2-3-4	1.5-2-2.5	
		400	0.08	0.16	33	2.5-3.5-4	2-2-2.5	
		450	0.10	0.20	38	3-3.5-4.5	2-2-2.5	
	500	0.13	0.26	40	3-3.5-4.5	2-2.5-3		
	400	0.01	0.03	-	1-1-2	0.5-1-1.5		
	500	0.02	0.05	-	1-1.5-2	1-1-2		
	600	0.03	0.07	21	1.5-2-2.5	1-1.5-2		
24 x 48	700	0.05	0.10	27	1.5-2-3	1.5-1.5-2.5		
	800	0.06	0.12	33	2-2.5-3.5	1.5-2-3		
	900	0.08	0.16	37	2-2.5-4	1.5-2-3		
		1000	0.09	0.19	42	2.5-3-4.5	2-2.5-3.5	

Performance Notes:

1. All pressures are in inches water gauge (in. w.g.)
2. cfm = Air flow in cubic feet per minute, cfm.
3. NC = Noise Criteria. NC values are based on room absorption of 10dB, re 10⁻¹² watts.
4. Blanks "-" indicate an NC level below 15.
5. Throw is vertical and horizontal to terminal velocities of 100, 75 and 50 fpm based on 10 °F cooling.
6. Throw values are measured from the face of the diffuser.
7. Total pressure, static pressure and NC performance assumes no damper.
8. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."