PERFORMANCE DATA

Unit Size	Air Pattern	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000
		Velocity Pressure (in. w.g.)	**0.002**	**0.006**	**0.010**	**0.016**	**0.022**	**0.031**	**0.040**	**0.050**	**0.062**
24 in. Length 8 in. Oval Inlet	Horizontal Pattern	Flow Rate (cfm)	64	96	129	161	193	225	257		
		Total Pressure (in. w.g.)	0.035	0.076	0.132	0.203	0.289	0.389	0.503		
		Sound (NC)	-	-	22	29	34	39	43		
		Throw (ft)	3-7-14	7-10-18	9-14-21	12-16-23	14-18-25	16-19-27	17-21-29		
	Vertical Pattern	Flow Rate (cfm)	64	96	129	161	193				
		Total Pressure (in. w.g.)	0.051	0.113	0.197	0.304	0.434				
		Sound (NC)	-	20	28	34	40				
		Throw (ft)	5-10-16	10-14-19	13-16-23	15-18-25	16-19-28				
30 in. Length 8 in. Oval Inlet	Horizontal Pattern	Flow Rate (cfm)	64	96	129	161	193	225	257	289	
		Total Pressure (in. w.g.)	0.028	0.061	0.106	0.162	0.230	0.309	0.398	0.498	
		Sound (NC)	-	-	19	26	32	36	41	44	
		Throw (ft)	2-5-11	5-9-17	8-11-19	10-14-21	11-17-23	13-18-25	15-19-27	17-20-29	
	Vertical Pattern	Flow Rate (cfm)	64	96	129	161	193	225			
		Total Pressure (in. w.g.)	0.040	0.088	0.153	0.236	0.335	0.451			
		Sound (NC)	-	16	24	30	35	40			
		Throw (ft)	4-8-15	8-13-19	11-15-21	14-17-24	15-19-26	16-20-28			
36 in. Length 8 in. Oval Inlet	Horizontal Pattern	Flow Rate (cfm)	64	96	129	161	193	225	257	289	321
		Total Pressure (in. w.g.)	0.023	0.049	0.085	0.129	0.182	0.243	0.313	0.390	0.476
		Sound (NC)	-	-	16	23	29	33	38	41	44
		Throw (ft)									
	Vertical Pattern	Flow Rate (cfm)	64	96	129	161	193	225	257		
		Total Pressure (in. w.g.)	0.031	0.068	0.118	0.180	0.255	0.341	0.440		
		Sound (NC)	-	-	20	26	31	36	39		
		Throw (ft)	3-7-14	7-11-18	10-14-20	12-16-23	14-18-25	16-19-27	17-20-29		
48 in. Length 10 in. Oval Inlet	Horizontal Pattern	Flow Rate (cfm)	89	134	179	223	268	312	357	402	
		Total Pressure (in. w.g.)	0.024	0.052	0.089	0.136	0.193	0.258	0.332	0.415	
		Sound (NC)	-	-	17	24	29	34	38	42	
		Throw (ft)	2-4-10	4-7-14	6-10-17	8-12-19	10-14-21	11-16-22	13-17-24	14-18-25	
	Vertical Pattern	Flow Rate (cfm)	89	134	179	223	268	312	357		
		Total Pressure (in. w.g.)	0.033	0.072	0.126	0.193	0.273	0.366	0.472		
		Sound (NC)	-	-	21	27	32	37	40		
		Throw (ft)	4-8-15	8-12-19	11-15-21	14-17-24	15-19-26	16-28-28	17-21-30		
60 in. Length 10 in. Oval Inlet	Horizontal Pattern	Flow Rate (cfm)	89	134	179	223	268	312	357	402	446
		Total Pressure (in. w.g.)	0.017	0.037	0.063	0.096	0.134	0.178	0.227	0.282	0.342
		Sound (NC)	-	-	-	19	25	30	34	37	40
		Throw (ft)	1-3-7	3-5-10	5-7-13	6-9-15	7-10-16	8-12-17	9-13-19	10-14-20	11-15-21
	Vertical Pattern	Flow Rate (cfm)	89	134	179	223	268	312	357	402	446
		Total Pressure (in. w.g.)	0.022	0.048	0.082	0.124	0.174	0.232	0.297	0.369	0.448
		Sound (NC)	-	-	-	20	25	29	33	36	39
		Throw (ft)	3-6-13	6-10-16	9-13-19	11-15-21	13-16-23	14-18-25	15-19-27	16-20-28	17-21-30

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70 - 2023 Method of Testing for Rating the Performance of Air Outlets and Inlets.
2. Airflow is in cubic feet per minute [cfm].
3. NC, sound pressure levels, are based on a room absorption of 10 dB re 10^{-12} Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
   $P_{total} = P_{static} + P_{velocity}$
7. Horizontal pattern throw data based on 20°F cooling.
8. Vertical pattern throw data is based on a perimeter application with diffuser mounted within 18" from wall and on 15°F heating.
9. Throw data is given in feet [ft] to terminal velocities of:
   150 fpm (minimum)
   100 fpm (middle)
   50 fpm (maximum)
10. Blank area is outside of recommended operating range.