

ADN Series

MODEL	Air Flow (CFM)	Duct Velocity	0° Deflection Ps	NC	45° Deflection Ps	NC	90° Deflection Ps	NC	Vt Projection
ADN-08	200	573	0.03	<20	0.05	<20	0.06	<20	3-8-16
	300	859	0.06	20	0.11	26	0.14	29	5-12-22
	400	1146	0.11	28	0.20	33	0.24	35	8-16-27
	500	1432	0.17	33	0.32	38	0.38	40	10-20-30
	600	1719	0.25	37	0.45	42	0.54	44	11-23-33
	700	2005	0.34	41	0.62	46	0.74	48	12-25-36
	800	2292	0.44	45	0.80	49	0.95	51	13-27-38
	ADN-10	300	550	0.02	<20	0.04	<20	0.06	22
400		733	0.04	<20	0.08	23	0.12	27	6-13-26
600		1100	0.09	29	0.18	33	0.26	37	9-18-33
800		1466	0.14	37	0.32	41	0.46	44	12-24-38
1000		1833	0.25	42	0.49	46	0.72	49	15-30-43
1200		2200	0.35	48	0.71	52	1.04	55	18-36-52
1400		2566	0.48	51	0.96	55	1.42	58	21-42-61
ADN-12		400	509	0.02	<20	0.03	<20	0.04	<20
	700	891	0.05	<20	0.10	22	0.13	25	9-19-36
	1000	1273	0.11	28	0.20	33	0.27	35	13-27-43
	1300	1655	0.19	35	0.34	40	0.46	42	16-34-49
	1600	2037	0.28	41	0.51	45	0.70	47	18-38-54
	1900	2419	0.39	46	0.72	50	1.00	52	20-42-59
	2200	2800	0.53	50	0.97	54	1.33	56	22-45-63

performance data based on ASHRAE 70-91

Airflow CFM: Standard air density and isothermal conditions.

Pressure Static: Inches of water gauge required [Ps].

Nozzle Velocity: Nozzle Discharge Velocity in feet per minute [fpm].

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

Projection: Projection distance [THROW] in feet from the nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 400 fpm, 200 fpm, and 100 fpm respectively.