ENGINEERING DATA

DS360

UNIT SIZE (in.)	INLET SIZE (in.)	NECK VELOCITY (FPM)	AIRFLOW (CFM)	P_D (in. wc)	P_T (in. wc)	NC (Noise Criteria)	Throw Length & Width in Adjacent Zone (AZ), (ft.) Δ5°	Δ10°
12x24	6	200	38	0.002	0.003	-	2 - 2	2 - 2
		300	56	0.006	0.007	-	3 - 3	3 - 3
		400	75	0.010	0.013	-	3 - 3	3 - 3
		500	94	0.016	0.020	-	4 - 4	4 - 4
		600	113	0.022	0.028	-	4 - 4	5 - 5
		700	132	0.031	0.039	-	4 - 4	5 - 5
		800	151	0.040	0.051	-	5 - 5	5 - 5
14x36	8	200	68	0.002	0.003	-	3 - 3	3 - 3
		300	101	0.006	0.007	-	4 - 4	4 - 4
		400	135	0.010	0.013	-	4 - 4	5 - 5
		500	169	0.016	0.020	-	5 - 5	6 - 6
		600	203	0.022	0.029	-	6 - 6	6 - 6
		700	237	0.031	0.040	-	6 - 6	7 - 7
		800	271	0.040	0.052	-	7 - 7	8 - 8
16x36	10	200	106	0.002	0.004	-	4 - 4	4 - 4
		300	160	0.006	0.008	-	5 - 5	6 - 6
		400	213	0.010	0.014	-	6 - 6	7 - 7
		500	266	0.016	0.022	-	7 - 7	8 - 8
		600	319	0.022	0.032	-	8 - 8	9 - 9
		700	375	0.031	0.043	-	8 - 8	9 - 9
		800	425	0.040	0.056	13	9 - 9	10 - 10
18x59	12	200	154	0.002	0.003	-	5 - 5	5 - 5
		300	231	0.006	0.007	-	6 - 6	7 - 7
		400	308	0.010	0.013	-	7 - 7	8 - 8
		500	385	0.016	0.020	-	8 - 8	9 - 9
		600	461	0.022	0.028	-	9 - 9	11 - 11
		700	538	0.031	0.039	10	10 - 10	12 - 12
		800	615	0.040	0.051	15	11 - 11	13 - 13
22x79	16	200	275	0.002	0.003	-	7 - 7	8 - 8
		300	412	0.006	0.007	-	9 - 9	10 - 10
		400	550	0.010	0.013	-	10 - 10	12 - 12
		500	687	0.016	0.020	-	12 - 12	14 - 14
		600	825	0.022	0.029	-	13 - 13	15 - 15
		700	962	0.031	0.039	14	15 - 15	17 - 17
		800	1100	0.040	0.051	19	16 - 16	18 - 18

Notes:

1. The adjacent zone (AZ) is the discharge isolevel at 1" above the floor where the terminal velocity is 50 fpm.
2. Tests for sound and pressure conducted in accordance with ASHRAE 70-2006 at isothermal conditions.
3. Tests for AZ conducted in accordance with Nordtest method of aerodynamic testing and rating of low velocity.
4. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
5. P_D = dynamic (velocity) pressure, P_T = total pressure, inches of water column.
6. NC = Noise Criteria (based on 10db Room attenuation (Re: 10^{-12} watts) evaluated at 125 through 4000Hz octave bands).
7. ΔT = The temperature difference, measured in °F, between the supply air and the space 3-1/2 feet above the floor.
8. ash (-) indicates an NC value of less than 10.
9. Throw values are distances in feet at 50 fpm at listed temperature difference (see diagram on page 03).

ENGINEERING DATA

DS360

UNIT SIZE (in.)	INLET SIZE (in.)	NECK VELOCITY (FPM)	AIRFLOW (CFM)	P_D (in. wc)	P_T (in. wc)	NC (Noise Criteria)	Throw Length & Width in Adjacent Zone (AZ), (ft.)	
							Δ5°	Δ10°
26x79	20	200	431	0.002	0.003	-	9 - 9	10 - 10
		300	646	0.006	0.008	-	11 - 11	13 - 13
		400	862	0.010	0.014	-	14 - 14	15 - 15
		500	1077	0.016	0.022	-	16 - 16	18 - 18
		600	1293	0.022	0.031	13	18 - 18	20 - 20
		700	1508	0.031	0.042	18	19 - 19	22 - 22
		800	1724	0.040	0.055	23	21 - 21	24 - 24
31x79	24	200	622	0.002	0.004	-	11 - 11	12 - 12
		300	933	0.006	0.008	-	14 - 14	16 - 16
		400	1244	0.010	0.015	-	17 - 17	19 - 19
		500	1554	0.016	0.023	-	19 - 19	22 - 22
		600	18665	0.022	0.033	16	22 - 22	25 - 25
		700	2176	0.031	0.045	21	24 - 24	27 - 27
		800	2487	0.040	0.058	26	26 - 26	30 - 30

Notes:

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4. Tests conducted with straight rigid inlet condition. Other inlet conditions may alter performance.
5. P_D = dynamic (velocity) pressure, P_T = total pressure, inches of water column.
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9. Throw values are distances in feet at 50 fpm at listed temperature difference (see diagram on page 03).

DS360 - Throw Diagram

L - Length (First Throw Value in Performance Data Tables)
W - Width (Second Throw Value in Performance Data Tables)