

Model SSCD Perforated Face Diffuser Supply & Return Performance Data

Face Size	Inlet Size	Supply								Ak
		Flow, cfm								
12" x 12"	6" Round or Square	Flow, cfm	50	75	100	125	150	175	200	0.22
		Pt	0.03	0.04	0.06	0.08	0.10	0.12	0.17	
		Throw,ft	1-2	1-3	2-4	2-5	2-10	3-11	4-11	
		NC	<20	<20	<20	21	25	29	34	
16" x 16"	8" Round or Square	Flow, cfm	75	100	125	150	200	250	300	0.37
		Pt	0.03	0.05	0.08	0.11	0.14	0.19	0.24	
		Throw,ft	1-3	2-3	2-5	2-6	3-8	4-9	6-10	
		NC	<20	<20	<20	21	27	34	39	
20" x 20"	10" Round or Square	Flow, cfm	100	175	250	325	400	475	550	0.60
		Pt	0.02	0.03	0.05	0.06	0.07	0.11	0.16	
		Throw,ft	2-4	2-9	2-12	3-14	4-16	4-19	6-22	
		NC	<20	<20	22	27	32	36	43	
24" x 24"	6" Round or Square	Flow, cfm	50	75	100	125	150	175	200	0.48
		Pt	0.02	0.03	0.04	0.05	0.06	0.10	0.15	
		Throw,ft	1-2	1-3	2-4	2-5	3-5	3-7	3-8	
		NC	<20	<20	<20	21	24	27	33	
24" x 24"	8" Round or Square	Flow, cfm	75	100	125	150	200	250	300	0.59
		Pt	0.01	0.02	0.03	0.04	0.06	0.08	0.12	
		Throw,ft	1-2	2-3	2-4	2-6	3-6	4-7	5-9	
		NC	<20	<20	<20	21	24	28	34	
24" x 24"	10" Round or Square	Flow, cfm	100	175	250	325	400	475	550	0.62
		Pt	0.02	0.03	0.04	0.05	0.07	0.10	0.13	
		Throw,ft	1-4	2-5	3-6	5-7	5-8	5-10	6-12	
		NC	<20	<20	<20	22	25	31	34	
24" x 24"	12" Round or Square	Flow, cfm	200	300	400	500	600	700	800	0.85
		Pt	0.03	0.04	0.06	0.08	0.10	0.13	0.16	
		Throw,ft	3-12	6-15	7-15	8-17	9-19	11-20	12-21	
		NC	<20	23	26	29	33	37	43	
24" x 24"	14" Round or Square	Flow, cfm	400	500	600	700	800	900	1,000	1.05
		Pt	0.04	0.05	0.06	0.08	0.11	0.17	0.25	
		Throw,ft	6-14	6-16	6-17	7-19	9-20	10-21	11-23	
		NC	<20	22	26	31	36	41	47	

Face Size	Inlet Size	Return								Ak
		Flow, cfm								
12" x 12"	10" Round or Square	Flow, cfm	100	150	200	300	400	500	600	0.33
		Pt	-0.03	-0.04	-0.05	-0.07	-0.09	-0.13	-0.20	
		NC	21	22	24	26	29	33	40	
24" x 24"	10" Round or Square	Flow, cfm	200	300	400	600	800	1000	1200	0.67
		Pt	-0.01	-0.02	-0.03	-0.05	-0.08	-0.13	-0.20	
		NC	22	23	24	26	29	33	39	
24" x 24"	12" Round or Square	Flow, cfm	400	600	800	1000	1200	1400	1600	0.78
		Pt	-0.02	-0.03	-0.06	-0.09	-0.13	-0.17	-0.21	
		NC	24	25	27	30	33	37	41	
24" x 24"	22" x 22" Square	Flow, cfm	800	1000	1200	1600	2000	2400	2800	1.38
		Pt	-0.02	-0.03	-0.04	-0.07	-0.10	-0.16	-0.21	
		NC	24	25	26	28	30	35	41	

Pt - Total Pressure, Inches W.G.

Throw - Distance in feet, to terminal velocitys Vt = 75 & 200 feet per minute respectively.

NC - Noise Criteria with room attenuation of 10 db.



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