

PERFORMANCE DATA - SPIRAL DUCT GRILLES PERFORATED FACE

MODEL SDPF

Size	Ac ft ²	Nk Vel	200	300	400	500	600	700	800	900	1000
		Ps	-.010	-.023	-.041	-.064	-.092	-.125	-.163	-.207	-.256
10x03	.21	CFM	29	43	58	72	87	101	116	130	145
		NC	-	-	-	12	15	17	19	21	23
10x04	.28	CFM	42	55	67	80	93	106	119	132	145
		NC	-	-	-	-	12	14	16	17	19
10x06	.42	CFM	68	101	135	169	202	236	270	304	337
		NC	-	-	12	16	18	21	23	25	26
12x04	.33	CFM	51	76	102	127	152	178	203	229	254
		NC	-	-	11	14	17	20	22	24	25
12x06	.50	CFM	82	123	164	205	246	287	328	369	410
		NC	-	-	13	16	19	22	24	26	27
14x06	.58	CFM	97	145	193	241	290	338	386	435	483
		NC	-	-	13	16	19	22	24	26	28
14x08	.78	CFM	134	200	267	334	400	467	537	600	667
		NC	-	11	15	29	21	24	26	28	29
14x10	.97	CFM	170	255	340	425	511	596	681	766	851
		NC	12	16	20	22	25	27	29	30	32
16x06	.67	CFM	111	167	222	278	334	389	445	500	556
		NC	-	-	14	18	21	23	25	27	29
16x08	.89	CFM	154	230	307	384	461	538	614	691	768
		NC	-	11	16	19	22	24	26	28	30
16x10	1.11	CFM	196	294	392	490	588	686	784	882	980
		NC	-	12	17	20	23	25	28	29	31
18x08	1.00	CFM	174	260	347	343	521	608	695	782	869
		NC	-	12	16	20	23	25	27	29	30
18x10	1.25	CFM	222	333	444	554	665	776	887	997	1106
		NC	-	13	17	21	24	26	28	30	32
18x12	1.50	CFM	270	405	540	674	809	944	1079	1213	1348
		NC	-	14	18	22	24	27	29	31	32
20x08	1.11	CFM	194	291	388	485	582	678	775	872	969
		NC	-	12	17	20	23	25	28	29	31
20x10	1.39	CFM	247	317	495	618	742	866	990	1411	1237
		NC	-	13	18	21	24	26	29	30	32

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		Ps	-.010	-.023	-.041	-.064	-.092	-.125	-.163	-.207	-.256
20x12	1.67	CFM	301	451	602	752	903	1053	1203	1354	1504
		NC	-	14	19	22	25	27	29	31	33
24x08	1.33	CFM	234	351	468	585	702	819	936	1053	1170
		NC	-	13	18	21	24	26	28	30	32
24x10	1.67	CFM	299	448	598	747	896	1045	1195	1344	1493
		NC	-	14	19	22	24	27	29	31	33
24x12	2.00	CFM	364	546	727	909	1090	1272	1453	1635	1816
		NC	-	15	19	23	26	28	30	32	34
30x08	1.67	CFM	295	442	589	736	884	1031	1178	1325	1472
		NC	-	14	19	22	25	27	29	31	33
30x10	2.08	CFM	376	563	751	938	1126	1313	1500	1688	1875
		NC	-	15	20	23	26	28	30	32	34

PERFORMANCE NOTES FOR SERIES SDPF

All data is tested in accordance with ANSI/ASHRAE 70-2006.

DEFINITION OF UNITS

CFM Cubic Feet per Minute (air)

Nk Vel Neck Velocity of air stream in Feet per Minute

Ps Negative Static pressure (inches of water column)

NC Noise criterion, sound pressure level NC ratings are based on sound power level (Lw)
re: 10⁻¹² watts minus a 10dB room attenuation in all octave bands

Ac Actual Core Free Area in square feet