

Model PRD-1 Perforated Face Return

Neck Size	Inlet Velocity	300	400	500	600	700	800	900	1000
	Ps	-.01	-.02	-.03	-.04	-.05	-.06	-.08	-.10
6"	CFM	60	80	100	115	135	155	175	195
8"	CFM	105	140	175	210	245	280	315	350
10"	CFM	165	220	270	325	380	435	490	545
12"	CFM	235	315	390	470	550	630	705	785
14"	CFM	320	425	535	640	750	855	930	1070
15"	CFM	369	492	615	738	861	984	1107	1203

Notes

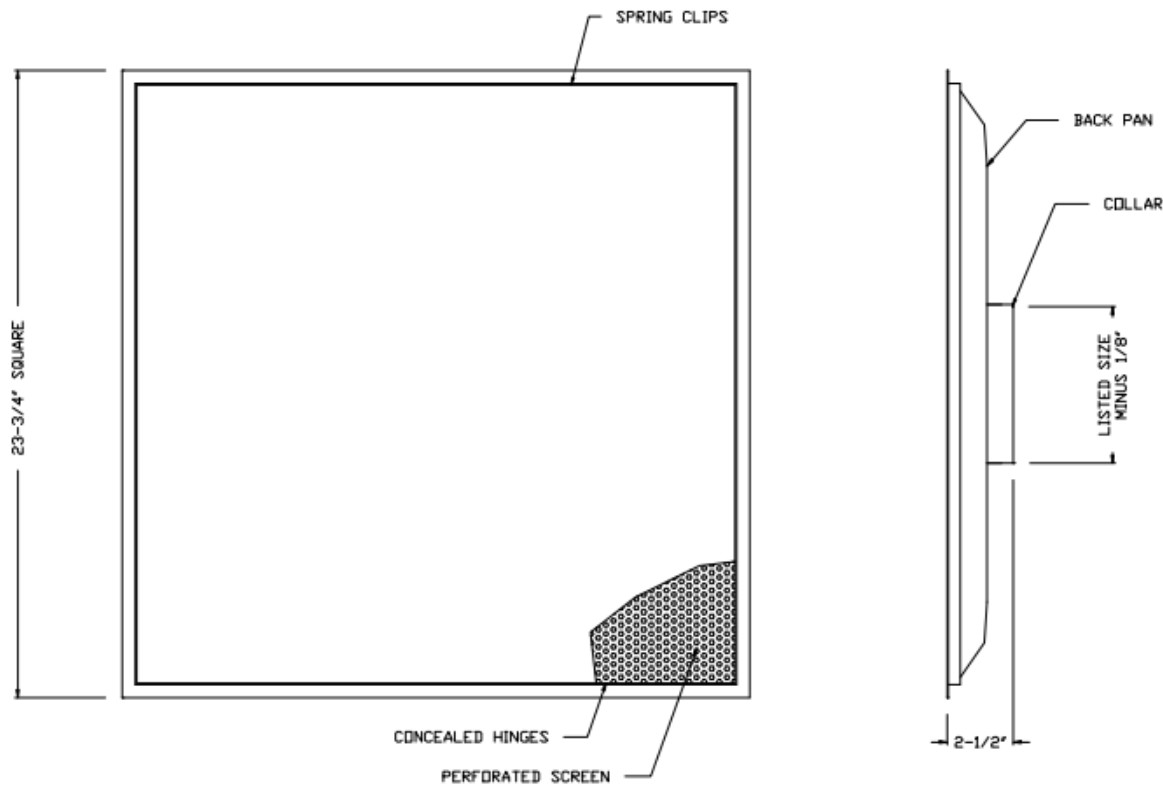
All Units have been tested in accordance with ANSI / ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)

NC- Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

Inlet Velocity = fpm (Feet Per Minute)



Model PRD-2

Perforated Face

Return Neck Size	Inlet Velocity	300	400	500	600	700	800	900	1000
	Ps	-.01	-.02	-.03	-.04	-.05	-.06	-.08	-.10
6"x6"	CFM	60	80	100	115	135	155	175	195
8"x8"	CFM	105	140	175	210	245	280	315	350
10"x10"	CFM	165	220	270	325	380	435	490	545
12"x12"	CFM	235	315	390	470	550	630	705	785
14"x14"	CFM	320	425	535	640	750	855	930	1070

Notes

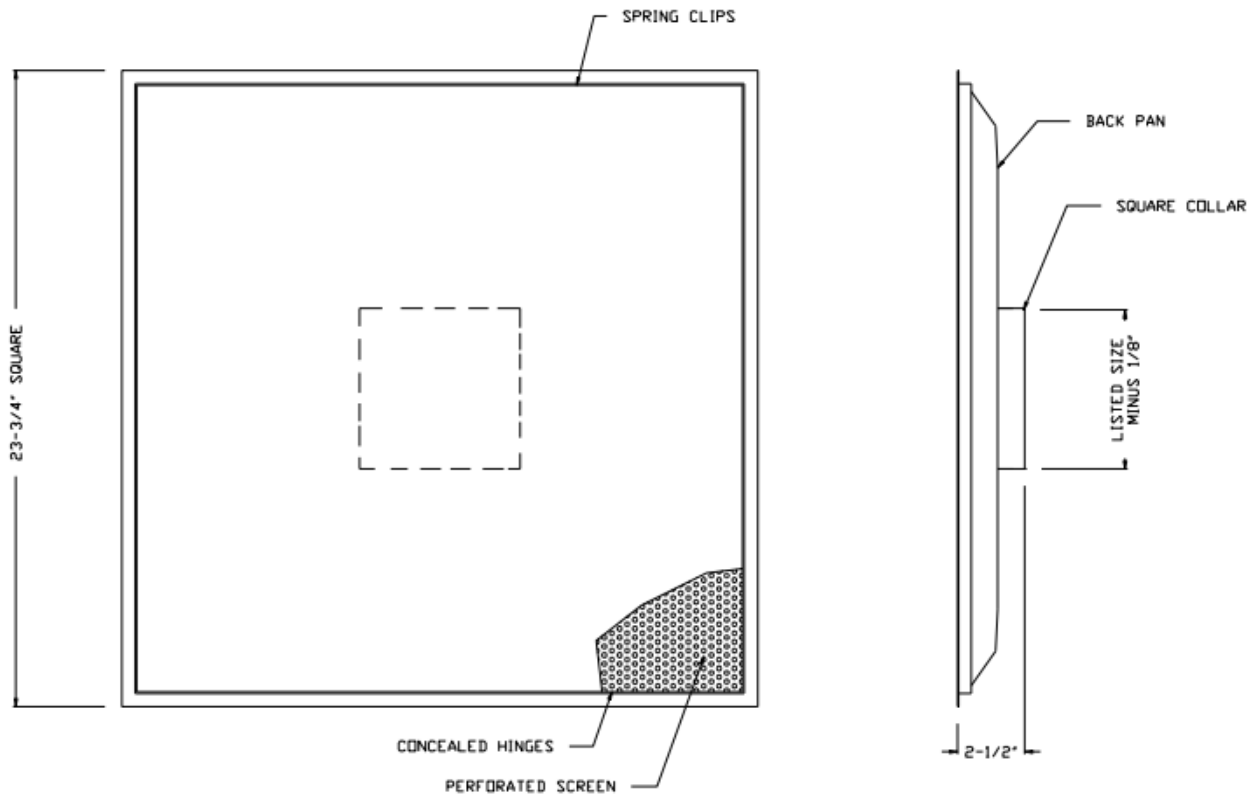
All Units have been tested in accordance with ANSI/ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)

NC- Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

Inlet Velocity = fpm (Feet Per Minute)



Model PRD-3

Perforated Face Return

Neck Size	Inlet Velocity	300	400	500	600	700	800	900	1000
	Ps	-.01	-.02	-.03	-.04	-.05	-.06	-.08	-.10
6"	CFM	60	80	100	115	135	155	175	195
8"	CFM	105	140	175	210	245	280	315	350
10"	CFM	165	220	270	325	380	435	490	545
12"	CFM	235	315	390	470	550	630	705	785
14"	CFM	320	425	535	640	750	855	930	1070
15"	CFM	369	492	615	738	861	984	1107	1203

Notes

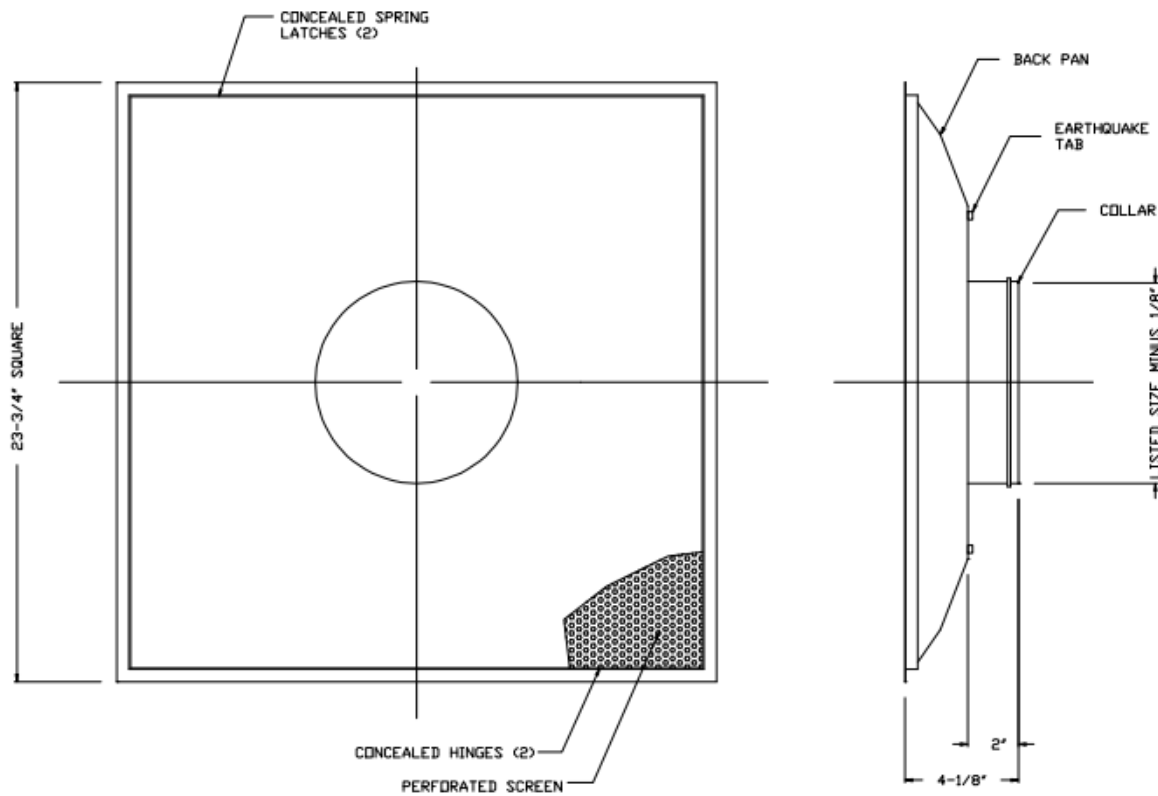
All Units have been tested in accordance with ANSI/ASHRAE 70-2006. Data in table is derived from such testing

Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)

NC- Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

Inlet Velocity = fpm (Feet Per Minute)

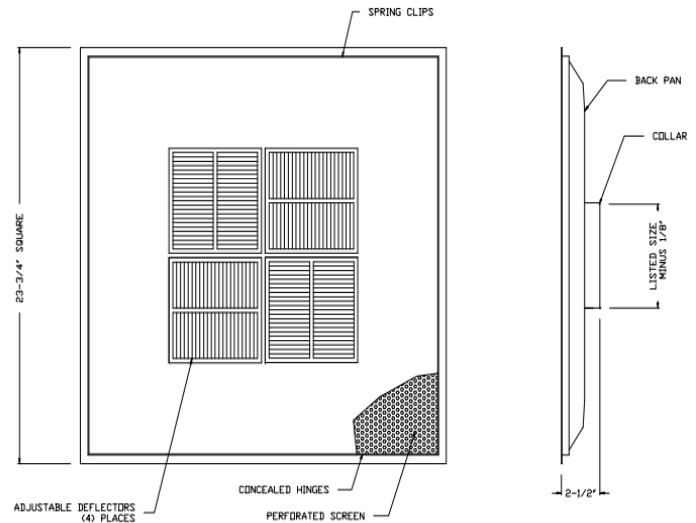


MODEL PSD-1

Model PSD-1

Perforated Face With 4 Deflectors

Neck Size	Inlet Velocity	300	400	500	600	700	800	1000
6"	CFM	60	80	100	115	135	155	195
	Ps	.006	.012	.018	.022	.031	.043	.069
	NC	<	<	>	<	20	24	31
	Throw	4-W	3	4	4	5	6	7
		3-W	3	4	5	6	6	8
		2-W	4	5	5	6	7	9
		1-W	5	5	6	7	8	9
	1-W	5	5	6	7	8	9	10
8"	CFM	105	140	175	210	246	28	350
	Ps	.011	.021	.032	.047	.064	.084	.133
	NC	<	<	<	21	26	30	36
	Throw	4-W	3	5	5	6	8	10
		3-W	3	5	5	6	8	11
		2-W	4	6	6	7	9	12
		1-W	5	6	7	8	10	13
	1-W	5	6	7	8	10	13	14
10"	CFM	165	220	270	325	380	435	545
	Ps	.014	.025	.037	.054	.075	.098	.156
	NC	<	<	22	28	33	37	43
	Throw	4-W	4	5	6	7	8	10
		3-W	4	6	7	8	9	12
		2-W	5	6	8	8	10	14
		1-W	6	7	9	10	11	14
	1-W	6	7	9	10	11	14	16
12"	CFM	235	315	390	470	550	630	785
	Ps	.026	.049	.074	.108	.149	.196	.305
	NC	<	<	25	29	35	40	46
	Throw	4-W	4	8	8	10	11	12
		3-W	5	8	9	11	13	14
		2-W	6	9	11	12	13	15
		1-W	8	9	12	13	14	16
	1-W	8	9	12	13	14	16	18
14"	CFM	320	425	535	640	750	855	1070
	Ps	.033	.058	.092	.133	.182	.237	.373
	NC	<	23	29	34	39	44	50
	Throw	4-W	6	8	11	13	14	15
		3-W	7	9	12	14	16	17
		2-W	8	10	13	15	17	18
		1-W	9	11	14	16	18	19
	1-W	9	11	14	16	18	19	20



Notes

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Ps - Static pressure required to obtain listed cfm, units of inches water gauge (in. wg.)

NC- Calculated noise criteria using 10 dB per octave room attenuation (dimensionless).

Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

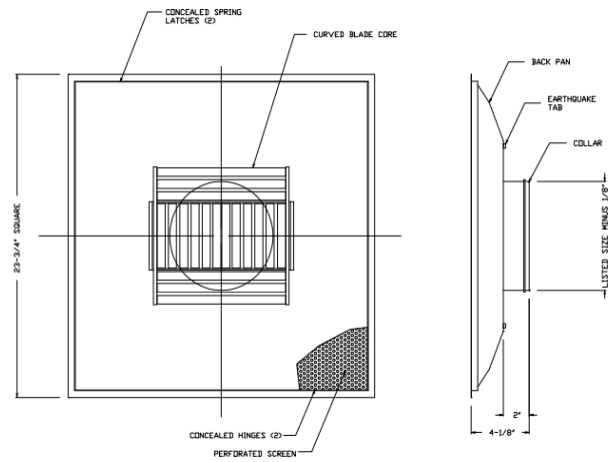
Inlet Velocity = fpm (Feet Per Minute)

MODEL PSD-2

Model PSD-2

Perforated Face With Curved Blade Deflectors

Neck Size	Inlet Velocity	300	400	500	600	700	800	1000	1200
6"	CFM	60	80	100	120	135	155	195	235
	Ps	.009	.016	.025	.038	.044	.059	.095	0.139
	NC	<	<	<15	19	23	26	30	35
	Throw 4-W	5	6	6	7	7	8	9	10
	3-W	5	6	7	7	8	9	10	10
	2-W	5	7	8	8	9	10	11	12
	1-W	9	11	12	13	14	15	17	18
8"	CFM	105	140	175	210	245	280	350	420
	Ps	.010	.018	.028	.041	.055	.072	.113	.162
	NC	<	<	<15	19	24	27	31	37
	Throw 4-W	6	7	8	9	10	10	12	13
	3-W	7	8	9	10	11	11	13	14
	2-W	7	9	10	11	12	13	14	16
	1-W	12	14	16	17	19	20	22	24
10"	CFM	165	220	275	325	380	435	545	655
	Ps	.011	.020	.031	.044	.059	.078	.124	.178
	NC	<	<	<15	20	25	29	34	39
	Throw 4-W	8	9	10	11	12	13	15	16
	3-W	8	10	11	12	13	14	16	18
	2-W	9	11	13	14	15	16	18	20
	1-W	15	18	20	21	23	25	28	30
12"	CFM	235	315	395	470	550	630	785	940
	Ps	.012	.023	.036	.052	.070	.093	.144	.205
	NC	<	<15	15	22	27	31	36	42
	Throw 4-W	9	11	12	13	15	16	17	19
	3-W	10	12	14	15	16	17	19	21
	2-W	11	14	15	17	18	19	21	23
	1-W	18	21	24	26	28	30	33	36
14"	CFM	320	430	535	640	750	855	1070	1285
	Ps	.011	.021	.032	.046	.063	.082	.129	.186
	NC	<	<15	16	24	29	33	38	44
	Throw 4-W	12	15	16	18	19	21	23	25
	3-W	13	16	18	20	21	23	26	28
	2-W	14	18	20	22	24	26	29	31
	1-W	24	28	31	34	37	40	44	49



Notes

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Throw - Non-isothermal throw, in feet, for a terminal velocity of 50 fpm

Inlet Velocity = fpm (Feet Per Minute)