

Model SSHDF Hemispherical Diffusion Diffuser

Supply Performance Data

Panel Size	Inlet	Vertical Throw - ft.														
		2 - Way Pattern			Horiz. Throw - Ft.			5 Degree Temp. Diff.			10 Degree Temp. Diff.			15 Degree Temp. Diff.		
		CFM	Ps	Nc	100	75	50	100	75	50	100	75	50	100	75	50
24" x 24"	8"	250	0.06	25	1	2	5	1	2	3	1	2	3	1	2	4
		300	0.08	30	2	3	6	1	3	4	1	2	4	2	3	5
		400	0.14	37	3	5	7	3	3	5	2	4	5	3	5	7
		500	0.22	42	5	6	8	3	4	5	3	5	7	4	6	8
24" x 24"	10"	250	0.03	<20	1	1	3	0	1	2	0	1	2	1	1	2
		300	0.04	20	1	2	4	1	1	2	1	1	3	1	1	3
		450	0.08	30	3	4	7	2	3	5	2	3	6	2	4	6
		600	0.15	37	4	6	9	2	4	8	3	5	8	3	6	9
24" x 48"	10"	375	0.06	22	3	4	6	0	1	1	1	1	2	1	1	2
		500	0.10	30	4	6	9	1	1	3	1	2	4	1	2	4
		700	0.19	42	6	8	10	1	2	5	2	4	6	2	4	7
		900	0.31	50	8	10	12	2	4	7	3	5	8	3	6	9
24" x 48"	12"	500	0.06	<20	1	2	4	1	1	2	1	1	3	1	2	4
		675	0.10	28	2	4	6	1	2	3	2	2	5	2	3	6
		850	0.16	38	3	5	9	2	3	5	2	4	6	3	5	7
		1000	0.22	45	4	7	11	2	4	6	3	5	8	4	6	9

Panel Size	Inlet	Vertical Throw - ft.														
		1 - Way Pattern			Horiz. Throw - Ft.			5 Degree Temp. Diff.			10 Degree Temp. Diff.			15 Degree Temp. Diff.		
		CFM	Ps	Nc	100	75	50	100	75	50	100	75	50	100	75	50
24" x 24"	8"	250	0.06	<20	1	2	3	0	0	1	1	1	2	1	1	2
		300	0.08	27	2	3	4	0	1	2	1	2	4	1	2	5
		400	0.14	35	3	3	4	1	1	3	2	3	6	2	4	8
		500	0.22	38	3	4	4	1	1	3	2	3	9	3	5	9
24" x 24"	10"	250	0.03	<20	1	2	4	1	1	3	1	1	3	2	3	7
		300	0.04	<20	2	3	5	1	2	4	1	2	4	3	4	8
		450	0.08	27	4	5	7	3	4	6	3	5	7	5	7	9
		600	0.14	37	5	7	9	4	6	8	5	7	10	7	10	10
24" x 48"	10"	375	0.05	<20	0	1	2	0	1	3	0	1	3	2	5	8
		500	0.09	28	1	2	3	1	2	4	1	2	4	3	6	9
		700	0.18	37	2	3	5	3	4	6	3	5	7	6	8	9
		900	0.30	44	3	4	6	4	5	8	4	7	9	8	9	9
24" x 48"	12"	500	0.05	<20	1	2	3	2	4	7	4	6	8	4	6	8
		675	0.08	27	2	3	4	4	6	8	5	7	8	5	7	8
		850	0.15	37	2	4	6	5	7	8	7	8	9	7	8	9
		1000	0.20	43	3	5	7	7	9	9	8	9	9	8	9	9

Ps - Static Pressure, inches W.G.

NC - Noise Criteria based on 10 dB room attenuation

Horizontal Throw is the horizontal distance near the ceiling of the velocity profile for the terminal velocity listed.

Vertical Throw is the vertical drop of the velocity profile for the terminal velocity listed.

Data determined in accordance with ASHRAE Standard 70-1991



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