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Size (in.)	Core Velocity (FPM)	300	400	500	600	700	800	1000	1200	1400	
	Velocity Pressure (in. w.g.)	0.006	0.01	0.016	0.022	0.03	0.04	0.062	0.09	0.122	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.037	0.053	0.071	0.095	0.148	0.212	0.289
		22.5°	0.017	0.028	0.042	0.067	0.086	0.114	0.178	0.257	0.350
45°		0.024	0.042	0.066	0.093	0.125	0.166	0.259	0.373	0.507	
0.18 ft ² 7x5 8x4 6x6	Airflow (CFM)	54	72	90	108	126	144	180	216	252	
	Throw (ft)	0°	5-7-14	6-10-16	8-12-18	10-14-20	11-15-21	13-16-23	15-18-26	16-20-28	18-21-30
		22.5°	3-6-11	5-7-13	6-9-15	7-11-16	9-12-17	10-13-19	12-15-21	13-16-23	14-17-25
		45°	2-4-7	3-5-8	4-6-9	5-7-10	6-8-11	7-8-11	7-9-13	8-10-14	9-11-15
0.20 ft ² 10x4	Airflow (CFM)	60	80	100	120	140	160	200	240	280	
	Throw (ft)	0°	5-8-15	7-10-17	8-13-19	10-15-21	12-16-23	14-17-24	16-19-27	17-21-30	19-23-32
		22.5°	3-6-12	5-8-14	6-10-16	8-12-17	9-13-18	10-14-20	13-16-22	14-17-24	15-18-26
		45°	2-4-7	4-6-9	5-7-10	6-7-10	6-8-11	7-9-12	8-10-13	9-10-15	9-11-16
0.26 ft ² 12x4 10x5 8x6	Airflow (CFM)	78	104	130	156	182	208	260	312	364	
	Throw (ft)	0°	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26	15-20-28	18-22-31	20-24-34	21-26-37
		22.5°	4-7-13	6-9-16	7-11-18	9-13-19	10-15-21	12-16-22	14-18-25	16-19-27	17-21-30
		45°	3-5-8	4-6-10	5-8-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	11-13-18
0.29 ft ² 14x4	Airflow (CFM)	87	116	145	174	203	232	290	348	406	
	Throw (ft)	0°	6-9-18	8-12-21	10-15-23	12-18-25	14-19-27	16-21-29	19-23-33	21-25-36	22-27-39
		22.5°	4-7-14	6-9-17	8-12-19	9-14-20	11-16-22	13-17-24	15-19-26	17-20-29	18-22-31
		45°	3-5-9	4-7-10	6-8-11	7-9-13	8-10-14	8-10-15	9-11-16	10-13-18	11-14-19
0.33 ft ² 16x4 12x5 10x6	Airflow (CFM)	99	132	165	198	231	264	330	396	462	
	Throw (ft)	0°	6-10-19	9-13-22	11-16-25	13-19-27	15-21-29	17-22-31	20-25-35	22-27-38	24-29-41
		22.5°	4-8-15	7-10-18	8-13-20	10-15-22	12-17-24	13-18-25	16-20-28	18-22-31	19-24-33
		45°	3-5-9	5-7-11	6-9-12	7-9-13	8-10-15	9-11-16	10-12-17	11-13-19	12-15-21
0.38 ft ² 18x4 14x5 12x6 8x8	Airflow (CFM)	114	152	190	228	266	304	380	456	532	
	Throw (ft)	0°	7-11-20	9-14-24	12-18-26	14-20-29	16-22-31	19-24-33	22-26-37	24-29-41	26-31-44
		22.5°	5-8-16	7-11-19	9-13-21	11-16-23	13-18-25	14-19-27	17-21-30	19-23-33	21-25-36
		45°	3-6-10	5-8-12	6-9-13	8-10-14	9-11-16	10-12-17	11-13-19	12-14-20	13-16-22
0.45 ft ² 20x4 16x5 14x6 10x8	Airflow (CFM)	135	180	225	270	315	360	450	540	630	
	Throw (ft)	0°	8-12-22	10-15-26	13-19-29	15-22-32	18-24-34	21-26-37	24-29-41	26-32-45	28-34-49
		22.5°	5-9-18	8-12-21	10-15-24	12-18-26	14-20-28	16-21-30	19-24-33	21-26-37	23-28-39
		45°	4-6-11	6-8-13	7-10-14	8-11-16	10-12-17	11-13-18	12-14-20	13-16-22	14-17-24



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	Velocity Pressure (in. w.g.)	0.006	0.01	0.016	0.022	0.03	0.04	0.062	0.09	0.122	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.037	0.053	0.071	0.095	0.148	0.212	0.289
		22.5°	0.017	0.028	0.042	0.067	0.086	0.114	0.178	0.257	0.350
45°		0.024	0.042	0.066	0.093	0.125	0.166	0.259	0.373	0.507	
0.52 ft ² 24 x 4 18 x 5 16 x 6	Airflow (CFM)	156	208	260	312	364	416	520	624	728	
	Throw (ft)	0°	8-12-24	11-16-27	14-20-31	16-24-33	19-26-36	22-27-39	25-31-43	27-33-47	30-36-51
		22.5°	5-9-19	8-12-22	10-16-25	12-19-27	15-21-29	17-22-31	20-25-35	22-27-38	24-29-42
		45°	4-7-12	6-9-14	7-11-15	9-12-17	10-13-18	11-14-19	12-15-22	14-17-24	15-18-26
0.58 ft ² 28 x 4 20 x 5 18 x 6 12 x 8 10 x 10	Airflow (CFM)	174	232	290	348	406	464	580	696	812	
	Throw (ft)	0°	9-13-25	12-17-29	15-22-33	17-25-36	20-28-39	23-29-42	27-33-47	29-36-51	32-39-55
		22.5°	6-10-20	9-13-24	11-17-27	13-20-29	16-22-32	18-24-34	22-27-38	24-29-41	26-32-45
		45°	4-7-13	6-9-15	8-12-16	9-13-18	11-14-19	12-15-21	13-16-23	15-18-25	16-19-27
0.68 ft ² 30 x 4 24 x 5 20 x 6 14 x 8 12 x 10	Airflow (CFM)	204	272	340	408	476	544	680	816	952	
	Throw (ft)	0°	9-14-27	12-19-31	16-23-35	19-27-38	22-29-41	25-31-44	29-35-50	31-38-54	34-41-59
		22.5°	6-11-21	10-14-25	12-18-28	14-21-31	17-24-34	19-25-36	23-28-40	25-31-44	27-34-48
		45°	4-8-14	7-10-16	8-12-17	10-14-19	12-15-21	13-16-22	14-17-25	16-19-27	17-21-29
0.79 ft ² 36 x 4 28 x 5 22 x 6 16 x 8 14 x 10	Airflow (CFM)	237	316	395	474	553	632	790	948	1106	
	Throw (ft)	0°	10-15-29	13-20-34	17-25-38	20-29-41	23-32-45	27-34-48	31-38-53	34-41-59	37-45-63
		22.5°	7-12-23	10-15-27	13-19-31	15-23-34	18-26-36	21-27-39	25-31-43	27-34-48	30-36-51
		45°	5-8-15	7-11-17	9-13-19	11-15-21	13-16-22	14-17-24	15-19-27	17-21-29	18-22-32
0.87 ft ² 40 x 4 30 x 5 26 x 6 18 x 8 12 x 12	Airflow (CFM)	261	348	435	522	609	696	870	1044	1218	
	Throw (ft)	0°	10-16-31	14-21-36	18-27-40	21-31-44	25-33-47	28-36-51	33-40-56	36-44-62	39-47-67
		22.5°	7-12-24	11-16-29	14-20-32	16-24-36	19-27-38	22-29-41	26-32-46	29-36-50	31-38-54
		45°	5-9-15	8-11-18	10-14-20	11-15-22	13-17-24	15-18-25	16-20-28	18-22-31	19-24-33
1.05 ft ² 48 x 4 36 x 5 30 x 6 22 x 8 18 x 10	Airflow (CFM)	315	420	525	630	735	840	1050	1260	1470	
	Throw (ft)	0°	11-17-34	15-23-39	19-29-44	23-34-48	27-37-52	31-39-55	36-44-62	39-48-68	42-52-73
		22.5°	8-13-27	12-18-32	15-22-35	18-27-39	21-30-42	24-32-45	29-35-50	32-39-55	34-42-59
		45°	5-9-17	8-13-19	10-15-22	13-17-24	15-18-26	16-19-28	18-22-31	19-24-34	21-26-36
1.18 ft ² 40 x 5 34 x 6 24 x 8 20 x 10 16 x 12 14 x 14	Airflow (CFM)	354	472	590	708	826	944	1180	1416	1652	
	Throw (ft)	0°	12-19-36	16-25-42	21-31-47	25-36-51	29-39-55	33-42-59	38-47-66	42-51-72	45-55-78
		22.5°	8-14-28	13-19-34	16-24-38	19-28-41	22-32-45	25-34-48	31-38-53	34-41-58	36-45-63
		45°	6-10-18	9-13-21	11-16-23	13-18-25	16-19-27	17-21-29	19-23-33	21-25-36	22-27-39



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	Velocity Pressure (in. w.g.)	0.006	0.01	0.016	0.022	0.03	0.04	0.062	0.09	0.122	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.037	0.053	0.071	0.095	0.148	0.212	0.289
		22.5°	0.017	0.028	0.042	0.067	0.086	0.114	0.178	0.257	0.350
45°		0.024	0.042	0.066	0.093	0.125	0.166	0.259	0.373	0.507	
1.35 ft² 46 x 5 38 x 6 28 x 8 22 x 10 18 x 12 16 x 14	Airflow (CFM)	405	540	675	810	945	1080	1350	1620	1890	
	Throw (ft)	0°	13-20-39	18-26-45	22-33-50	26-39-55	31-42-59	35-45-63	41-50-70	45-55-77	48-59-83
		22.5°	9-15-30	14-20-36	17-25-40	20-30-44	24-34-48	27-36-51	33-40-57	36-44-63	39-48-68
		45°	6-11-19	10-14-22	12-18-25	14-19-27	17-21-29	18-22-31	20-25-35	22-27-38	24-29-41
1.60 ft² 44 x 6 26 x 10 22 x 12 18 x 14 16 x 16	Airflow (CFM)	480	640	800	960	1120	1280	1600	1920	2240	
	Throw (ft)	0°	14-22-42	19-29-48	24-36-54	29-42-59	34-45-64	38-48-69	44-54-77	48-59-84	52-64-91
		22.5°	9-17-33	15-22-39	18-28-44	22-33-48	26-37-52	29-39-56	36-44-62	39-48-68	42-52-74
		45°	7-12-21	10-16-24	13-19-27	16-21-30	18-23-32	20-24-34	22-27-38	24-30-42	26-32-45
1.77 ft² 50 x 6 36 x 8 28 x 10 24 x 12 20 x 14 18 x 16	Airflow (CFM)	531	708	885	1062	1239	1416	1770	2124	2478	
	Throw (ft)	0°	15-23-44	20-30-51	25-38-57	30-44-62	35-48-67	40-51-72	47-57-81	51-62-88	55-67-95
		22.5°	10-17-35	15-23-41	19-29-46	23-35-51	27-39-55	31-41-58	38-46-65	41-51-72	45-55-77
		45°	7-12-22	11-16-25	14-20-28	16-22-31	19-24-34	21-25-36	23-28-40	25-31-44	27-34-48
2.06 ft² 58 x 6 42 x 8 32 x 10 28 x 12 24 x 14 20 x 16 18 x 18	Airflow (CFM)	618	824	1030	1236	1442	1648	2060	2472	2884	
	Throw (ft)	0°	16-24-48	22-33-55	27-41-61	33-48-67	38-51-73	44-55-78	50-61-87	55-67-95	59-73-103
		22.5°	11-19-38	17-25-45	21-31-50	25-38-55	29-42-59	33-45-63	41-50-71	45-55-77	48-59-83
		45°	8-13-24	12-18-27	15-22-31	18-24-34	21-26-36	22-27-39	25-31-43	27-34-47	30-36-51
2.37 ft² 48 x 8 38 x 10 32 x 12 26 x 14 24 x 16 20 x 18	Airflow (CFM)	711	948	1185	1422	1659	1896	2370	2844	3318	
	Throw (ft)	0°	17-26-51	23-35-59	29-44-66	35-51-72	41-55-78	47-59-83	54-66-93	59-72-102	64-78-110
		22.5°	12-20-40	18-27-48	22-34-53	27-40-59	31-45-63	36-48-68	44-53-76	48-59-83	52-63-90
		45°	8-14-25	13-19-29	16-23-33	19-25-36	22-27-39	24-29-42	27-33-46	29-36-51	32-39-55
2.73 ft² 44 x 10 36 x 12 30 x 14 26 x 16 24 x 18 22 x 20	Airflow (CFM)	819	1092	1365	1638	1911	2184	2730	3276	3822	
	Throw (ft)	0°	18-28-55	25-38-63	31-47-71	38-55-78	44-59-84	50-63-89	58-71-100	63-78-110	68-84-118
		22.5°	12-22-43	19-29-51	24-36-57	29-43-63	34-48-68	38-51-73	47-57-81	51-63-89	55-68-96
		45°	9-15-27	14-20-32	17-25-35	20-27-39	24-30-42	26-32-45	29-35-50	32-39-55	34-42-59



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	Velocity Pressure (in. w.g.)	0.006	0.01	0.016	0.022	0.03	0.04	0.062	0.09	0.122	
	Total Pressure (in. w.g.)	0°	0.014	0.024	0.037	0.053	0.071	0.095	0.148	0.212	0.289
		22.5°	0.017	0.028	0.042	0.067	0.086	0.114	0.178	0.257	0.350
45°		0.024	0.042	0.066	0.093	0.125	0.166	0.259	0.373	0.507	
3.04 ft ² 48 x 10 40 x 12 34 x 14 30 x 16 26 x 18 24 x 20	Airflow (CFM)	912	1216	1520	1824	2128	2432	3040	3648	4256	
	Throw (ft)	0°	19-30-58	26-40-67	33-50-75	40-58-82	46-62-88	53-67-94	61-75-106	67-82-116	72-88-125
		22.5°	13-23-46	20-30-54	25-38-61	30-46-66	35-51-72	41-54-77	49-61-86	54-66-94	59-72-101
		45°	9-16-29	14-21-33	18-26-37	21-29-41	25-31-44	27-33-47	30-37-53	33-41-58	36-44-62
3.71 ft ² 58 x 10 48 x 12 36 x 16 32 x 18 28 x 20 24 x 24	Airflow (CFM)	1113	1484	1855	2226	2597	2968	3710	4452	5194	
	Throw (ft)	0°	21-33-63	29-43-73	36-54-82	43-63-90	51-68-97	58-73-103	67-82-116	73-90-127	79-97-137
		22.5°	14-25-50	22-33-59	28-42-66	33-50-73	39-56-79	44-59-84	54-66-94	59-73-103	64-79-111
		45°	10-18-32	16-24-36	20-29-41	24-32-45	27-34-48	30-36-52	33-41-58	36-45-63	39-48-68
4.28 ft ² 68 x 10 56 x 12 48 x 14 42 x 16 36 x 18 32 x 20 28 x 24	Airflow (CFM)	1284	1712	2140	2568	2996	3424	4280	5136	5992	
	Throw (ft)	0°	23-35-69	31-47-79	39-59-89	47-69-97	55-74-105	63-79-112	72-89-125	79-97-137	86-105-148
		22.5°	16-27-54	24-36-64	30-45-72	36-54-79	42-60-85	48-64-91	59-72-102	64-79-111	70-85-120
		45°	11-19-34	17-26-40	21-31-44	26-34-48	30-37-52	32-40-56	36-44-63	40-48-68	43-52-74
4.64 ft ² 72 x 10 60 x 12 52 x 14 44 x 16 40 x 18 36 x 20 30 x 24	Airflow (CFM)	1392	1856	2320	2784	3248	3712	4640	5568	6496	
	Throw (ft)	0°	24-37-71	33-49-82	41-61-92	49-71-101	57-77-109	65-82-116	75-92-130	82-101-142	89-109-154
		22.5°	16-28-56	25-37-67	31-47-75	37-56-82	44-62-88	50-67-94	61-75-105	67-82-115	72-88-125
		45°	11-20-35	18-26-41	22-32-46	26-35-50	31-38-54	33-41-58	37-46-65	41-50-71	44-54-77
5.50 ft ² 84 x 10 72 x 12 60 x 14 54 x 16 48 x 18 42 x 20	Airflow (CFM)	1650	2200	2750	3300	3850	4400	5500	6600	7700	
	Throw (ft)	0°	26-40-78	36-54-90	45-67-101	54-78-110	62-84-119	71-90-127	82-101-142	90-110-156	97-119-168
		22.5°	18-31-62	27-41-73	34-51-82	41-62-90	48-68-97	55-73-103	67-82-116	73-90-127	79-97-137
		45°	13-22-39	19-29-45	24-35-50	29-39-55	34-42-59	37-45-63	41-50-71	45-55-78	48-59-84
6.33 ft ² 84 x 12 70 x 14 60 x 16 54 x 18 48 x 20 40 x 24 32 x 30	Airflow (CFM)	1899	2532	3165	3798	4431	5064	6330	7596	8862	
	Throw (ft)	0°	28-43-83	38-57-96	48-72-108	57-83-118	67-90-127	76-96-136	88-108-152	96-118-167	104-127-180
		22.5°	19-33-66	29-44-78	37-55-87	44-66-96	51-73-103	58-78-110	71-87-124	78-96-135	84-103-146
		45°	13-23-42	21-31-48	26-38-54	31-42-59	36-45-63	39-48-68	44-54-76	48-59-83	52-63-90



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45°	0.024	0.042	0.066	0.093	0.125	0.166	0.259	0.373	0.507		
6.64 ft² 72 x 14 42 x 24 36 x 28 46 x 22 32 x 32	Airflow (CFM)	1992	2656	3320	3984	4648	5312	6640	7968	9296	
	Throw (ft)	0°	29-44-85	39-59-99	49-73-110	59-85-121	68-92-130	78-99-139	90-110-156	99-121-171	107-130-184
		22.5°	19-34-67	30-45-80	37-56-89	45-67-98	52-75-106	60-80-113	73-89-127	80-98-139	86-106-150
		45°	14-24-43	21-32-49	26-39-55	32-43-60	37-46-65	40-49-70	45-55-78	49-60-85	53-65-92
7.08 ft² 36 x 30 38 x 28	Airflow (CFM)	2124	2832	3540	4248	4956	5664	7080	8496	9912	
	Throw (ft)	0°	29-45-88	40-60-101	50-75-113	60-88-124	70-95-134	80-101-144	93-113-160	101-124-176	110-134-190
		22.5°	20-35-69	31-46-82	39-58-92	46-69-101	54-77-109	62-82-116	75-92-130	82-101-143	89-109-154
		45°	14-24-44	22-33-51	27-40-57	33-44-62	38-47-67	41-51-72	46-57-80	51-62-88	55-67-95
7.60 ft² 48 x 24 34 x 34 36 x 32 38 x 30	Airflow (CFM)	2280	3040	3800	4560	5320	6080	7600	9120	10640	
	Throw (ft)	0°	31-47-91	42-63-106	52-78-118	63-91-129	73-99-140	84-106-149	96-118-167	106-129-183	114-140-198
		22.5°	21-36-72	32-48-86	40-60-96	48-72-105	56-80-113	64-86-121	78-96-135	86-105-148	93-113-160
		45°	15-25-46	23-34-53	28-42-59	34-46-64	40-49-70	43-53-74	48-59-83	53-64-91	57-70-98
8.09 ft² 36 x 34 38 x 32 40 x 30 48 x 26	Airflow (CFM)	2427	3236	4045	4854	5663	6472	8090	9708	11326	
	Throw (ft)	0°	31-48-94	43-65-109	54-81-121	65-94-133	75-102-144	86-109-154	99-121-172	109-133-188	117-144-203
		22.5°	21-37-74	33-49-88	41-62-99	49-74-108	58-82-117	66-88-125	80-99-139	88-108-153	95-117-165
		45°	15-26-47	23-35-54	29-43-61	35-47-66	41-51-72	44-54-77	49-61-86	54-66-94	59-72-101
8.71 ft² 36 x 36 38 x 34 44 x 30 48 x 28	Airflow (CFM)	2613	3484	4355	5226	6097	6968	8710	10452	12194	
	Throw (ft)	0°	32-50-97	44-67-112	56-83-125	67-97-137	78-105-148	89-112-159	102-125-177	112-137-194	121-148-210
		22.5°	22-38-77	34-51-91	43-64-102	51-77-111	60-85-120	68-91-129	83-102-144	91-111-158	98-120-170
		45°	16-27-48	24-36-56	30-44-62	36-48-68	42-52-74	46-56-79	51-62-88	56-68-97	60-74-105

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in CFM.
3. All pressures are in w.g.
4. Throw values are given for terminal velocities of 150, 100 and 50 FPM under isothermal conditions.
5. The performance tables are based on DAHV grilles without opposed blade dampers.



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