



Performance Data

Models: 300R, 300F, 300R-SS, 300R-HD, 301R, 301F, 301R-SS and 301R-HD

Performance based on nominal sizes shown in bold.

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Area (ft ²)	NC-20				NC-30			NC-40			
			Core Vel.	300	400	500	600	700	800	1000	1200	1400	
			Vel. Press.	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122	
			0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358	
6x6	0.25	0.19	Total	22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401
			Press.	45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606
			cfm		57	76	95	114	133	152	190	228	266
			NC		-	-	-	15	20	24	31	36	41
8x6	0.33	0.26	0°		5-9-16	8-12-19	10-15-21	12-16-23	14-18-25	15-19-27	17-21-30	19-23-32	20-25-35
			Throw	22.5°	4-7-13	6-9-15	8-11-16	9-13-18	11-14-19	12-15-21	13-16-23	15-18-25	16-19-27
			(ft)	45°	2-4-7	3-5-8	4-7-9	5-7-10	6-8-11	7-8-12	8-9-13	8-10-15	9-11-16
			cfm		78	104	130	156	182	208	260	312	364
10x6	0.42	0.34	0°		6-10-19	9-13-21	11-17-24	13-19-26	16-20-28	18-21-30	20-24-34	21-26-37	23-28-40
			Throw	22.5°	5-8-14	7-10-17	9-13-19	10-14-20	12-16-22	14-17-23	15-19-26	17-20-29	18-22-31
			(ft)	45°	3-4-8	4-6-10	5-7-11	6-8-12	7-9-13	8-10-14	9-11-15	10-12-17	10-13-18
			cfm		102	136	170	204	238	272	340	408	476
8x8	0.44	0.37	0°		6-10-19	9-14-22	12-17-25	14-19-27	16-21-30	18-22-32	20-25-35	22-27-39	24-30-42
			Throw	22.5°	5-8-15	7-11-17	9-13-19	11-15-21	13-16-23	14-17-25	16-19-27	17-21-30	19-23-32
			(ft)	45°	3-5-9	4-6-10	5-8-11	6-9-12	7-9-13	8-10-14	9-11-16	10-12-17	11-13-19
			cfm		111	148	185	222	259	296	370	444	518
12x6	0.50	0.41	0°		7-11-20	10-15-24	12-18-26	15-20-29	17-22-31	19-24-33	21-26-37	24-29-41	25-31-44
			Throw	22.5°	5-8-16	8-11-18	9-14-20	11-16-22	13-17-24	15-18-26	17-20-29	18-22-32	20-24-34
			(ft)	45°	3-5-9	4-7-11	5-8-12	7-9-13	8-10-14	9-11-15	10-12-17	11-13-18	11-14-20
			cfm		123	164	205	246	287	328	410	492	574
14x6	0.58	0.48	0°		7-12-22	11-16-25	13-20-28	16-22-31	18-24-34	21-25-36	23-28-40	25-31-44	28-34-48
			Throw	22.5°	6-9-17	8-12-20	10-15-22	12-17-24	14-18-26	16-20-28	18-22-31	20-24-34	21-26-37
			(ft)	45°	3-5-10	5-7-11	6-9-13	7-10-14	8-11-15	9-11-16	10-13-18	11-14-20	12-15-21
			cfm		144	192	240	288	336	384	480	576	672
16x6	0.67	0.57	0°		8-13-24	11-17-28	14-22-31	17-24-34	20-26-37	23-28-39	25-31-44	28-34-48	30-37-52
			Throw	22.5°	6-10-19	9-13-22	11-17-24	13-19-26	16-20-28	18-22-30	20-24-34	22-26-37	23-28-40
			(ft)	45°	4-6-11	5-8-12	6-10-14	8-11-15	9-12-17	10-12-18	11-14-20	12-15-22	13-17-23
			cfm		171	228	285	342	399	456	570	684	798
10x10	0.69	0.59	0°		8-13-24	12-18-28	15-22-32	18-24-35	20-26-37	23-28-40	26-32-45	28-35-49	31-37-53
			Throw	22.5°	6-10-19	9-14-22	11-17-24	14-19-27	16-20-29	18-22-31	20-24-35	22-27-38	24-29-41
			(ft)	45°	4-6-11	5-8-13	7-10-14	8-11-16	9-12-17	10-13-18	12-14-20	13-16-22	14-17-24
			cfm		177	236	295	354	413	472	590	708	826
18x6	0.75	0.63	0°		8-14-25	12-18-29	15-23-33	18-25-36	21-27-39	24-29-41	27-33-46	29-36-51	32-39-55
			Throw	22.5°	7-11-20	9-14-23	12-18-25	14-20-28	16-21-30	18-23-32	21-25-36	23-28-39	24-30-42
			(ft)	45°	4-6-11	5-8-13	7-10-15	8-11-16	9-12-17	11-13-19	12-15-21	13-16-23	14-17-25
			cfm		189	252	315	378	441	504	630	756	882
20x6	0.83	0.72	0°		9-15-27	13-19-31	16-24-35	19-27-38	23-29-41	25-31-44	28-35-49	31-38-54	34-41-58
			Throw	22.5°	7-11-21	10-15-24	12-19-27	15-21-30	17-23-32	20-24-34	22-27-38	24-30-42	26-32-45
			(ft)	45°	4-7-12	6-9-14	7-11-16	9-12-17	10-13-19	11-14-20	13-16-22	14-17-24	15-19-26
			cfm		216	288	360	432	504	576	720	864	1008
22x6	0.92	0.77	0°		9-15-28	13-20-32	17-25-36	20-28-40	23-30-43	26-32-46	29-36-51	32-40-56	35-43-60
			Throw	22.5°	7-12-22	10-16-25	13-19-28	16-22-31	18-23-33	20-25-35	23-28-40	25-31-43	27-33-47
			(ft)	45°	4-7-13	6-9-15	8-11-16	9-13-18	11-14-19	12-15-21	13-16-23	15-18-25	16-19-27
			cfm		231	308	385	462	539	616	770	924	1078
24x6	1.00	0.88	0°		10-16-30	14-21-34	18-27-39	21-30-42	25-32-46	28-34-49	31-39-55	34-42-60	37-46-65
			Throw	22.5°	8-12-23	11-17-27	14-21-30	17-23-33	19-25-35	22-27-38	24-30-42	27-33-46	29-35-50
			(ft)	45°	4-7-13	6-10-16	8-12-17	10-13-19	11-15-21	13-16-22	14-17-25	16-19-27	17-21-29
			cfm		264	352	440	528	616	704	880	1056	1232
30x6	1.25	1.11	0°		11-18-34	16-24-39	20-30-43	24-34-47	28-36-51	32-39-55	35-43-61	39-47-67	42-51-72
			Throw	22.5°	9-14-26	12-19-30	16-23-34	19-26-37	22-28-40	25-30-42	27-34-47	30-37-52	32-40-56
			(ft)	45°	5-8-15	7-11-17	9-14-19	11-15-21	13-16-23	14-17-25	16-19-28	17-21-30	19-23-33
			cfm		333	444	555	666	777	888	1110	1332	1554

Performance notes appear at end of table.

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Performance Data

Supply Performance Data (continued)

Models: 300R, 300F, 300R-SS, 300R-HD, 301R, 301F, 301R-SS and 301R-HD

Performance based on nominal sizes shown in bold.

Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Area (ft ²)	NC-20				NC-30			NC-40		NC-50	
			Core Vel.	300	400	500	600	700	800	1000	1200	1400	
			Vel. Press.	0.006	0.010	0.016	0.022	0.031	0.040	0.062	0.090	0.122	
			0°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358	
			Total 22.5°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401	
			Press. 45°	0.028	0.049	0.077	0.111	0.152	0.198	0.309	0.445	0.606	
14x14	1.36	1.22	cfm	366	488	610	732	854	976	1220	1464	1708	
			NC	-	11	18	23	28	32	39	44	49	
			0°	12-19-35	17-25-41	21-31-45	25-35-50	29-38-54	33-41-57	37-45-64	41-50-70	44-54-76	
			Throw 22.5° (ft)	9-15-27	13-20-31	16-24-35	20-27-39	23-29-42	26-31-45	29-35-50	31-39-55	34-42-59	
			45°	5-8-16	8-11-18	9-14-20	11-16-22	13-17-24	15-18-26	17-20-29	18-22-32	20-24-34	
36x6 27x8 18x12	1.50	1.35	cfm	405	540	675	810	945	1080	1350	1620	1890	
			NC	-	12	18	24	28	32	39	44	49	
			0°	12-20-37	18-26-43	22-33-48	26-37-52	31-40-57	35-43-60	39-48-68	43-52-74	46-57-80	
			Throw 22.5° (ft)	10-15-29	14-21-33	17-26-37	21-29-41	24-31-44	27-33-47	30-37-52	33-41-57	36-44-62	
			45°	6-9-17	8-12-19	10-15-21	12-17-24	14-18-25	16-19-27	18-21-30	19-24-33	21-25-36	
22x10	1.53	1.37	cfm	411	548	685	822	959	1096	1370	1644	1918	
			NC	-	12	18	24	28	32	39	44	49	
			0°	12-20-37	18-27-43	22-33-48	27-37-53	31-40-57	35-43-61	39-48-68	43-53-75	46-57-81	
			Throw 22.5° (ft)	10-16-29	14-21-33	17-26-37	21-29-41	24-31-44	27-33-47	30-37-52	33-41-58	36-44-62	
			45°	6-9-17	8-12-19	10-15-22	12-17-24	14-18-26	16-19-27	18-22-31	19-24-34	21-26-36	
30x8 24x10	1.67	1.49	cfm	447	596	745	894	1043	1192	1490	1788	2086	
			NC	-	12	19	24	29	33	39	45	49	
			0°	13-21-39	19-28-45	23-35-50	28-39-55	32-42-59	37-45-63	41-50-71	45-55-78	48-59-84	
			Throw 22.5° (ft)	10-16-30	14-22-35	18-27-39	22-30-43	25-33-46	28-35-49	32-39-55	35-43-60	38-46-65	
			45°	6-9-17	8-13-20	10-16-23	13-17-25	15-19-27	16-20-29	18-23-32	20-25-35	22-27-38	
42x6 18x14	1.75	1.59	cfm	477	636	795	954	1113	1272	1590	1908	2226	
			NC	-	12	19	24	29	33	40	45	50	
			0°	13-22-40	19-29-46	24-36-52	29-40-57	34-43-61	38-46-66	42-52-73	46-57-80	50-61-87	
			Throw 22.5° (ft)	10-17-31	15-22-36	19-28-40	22-31-44	26-34-48	29-36-51	33-40-57	36-44-62	39-48-67	
			45°	6-10-18	9-13-21	11-16-23	13-18-26	15-20-28	17-21-30	19-23-33	21-26-36	23-28-39	
16x16	1.78	1.62	cfm	486	648	810	972	1134	1296	1620	1944	2268	
			NC	-	12	19	24	29	33	40	45	50	
			0°	14-22-41	19-29-47	24-36-52	29-41-57	34-44-62	38-47-66	43-52-74	47-57-81	51-62-88	
			Throw 22.5° (ft)	11-17-31	15-22-36	19-28-41	22-31-44	26-34-48	30-36-51	33-41-57	36-44-63	39-48-68	
			45°	6-10-18	9-13-21	11-16-24	13-18-26	15-20-28	17-21-30	19-24-33	21-26-36	23-28-39	
48x6 36x8 24x12 18x16	2.00	1.82	cfm	546	728	910	1092	1274	1456	1820	2184	2548	
			NC	-	13	19	25	30	34	40	46	50	
			0°	14-23-43	20-31-50	26-38-55	31-43-61	36-46-66	41-50-70	45-55-78	50-61-86	54-66-93	
			Throw 22.5° (ft)	11-18-33	16-24-38	20-30-43	24-33-47	28-36-51	31-38-54	35-43-61	38-47-67	42-51-72	
			45°	6-10-19	9-14-22	12-17-25	14-19-27	16-21-30	18-22-32	20-25-35	22-27-39	24-30-42	
18x18	2.25	2.07	cfm	621	828	1035	1242	1449	1656	2070	2484	2898	
			NC	-	13	20	25	30	34	41	46	51	
			0°	15-25-46	22-33-53	27-41-59	33-46-65	38-49-70	43-53-75	48-59-84	53-65-92	57-70-99	
			Throw 22.5° (ft)	12-19-36	17-25-41	21-32-46	25-36-50	30-38-54	33-41-58	37-46-65	41-50-71	44-54-77	
			45°	7-11-21	10-15-24	12-18-27	15-21-29	17-22-31	19-24-34	22-27-38	24-29-41	26-31-45	
42x8 24x14	2.33	2.14	cfm	642	856	1070	1284	1498	1712	2140	2568	2996	
			NC	-	13	20	26	30	34	41	46	51	
			0°	16-25-47	22-33-54	28-42-60	33-47-66	39-50-71	44-54-76	49-60-85	54-66-93	58-71-101	
			Throw 22.5° (ft)	12-19-36	17-26-42	22-32-47	26-36-51	30-39-55	34-42-59	38-47-66	42-51-72	45-55-78	
			45°	7-11-21	10-15-24	13-19-27	15-21-30	18-23-32	20-24-34	22-27-38	24-30-42	26-32-45	
36x10 30x12	2.50	2.29	cfm	687	916	1145	1374	1603	1832	2290	2748	3206	
			NC	-	14	20	26	30	34	41	47	51	
			0°	16-26-48	23-34-56	29-43-62	34-48-68	40-52-74	45-56-79	51-62-88	56-68-96	60-74-104	
			Throw 22.5° (ft)	12-20-37	18-27-43	22-33-48	27-37-53	31-40-57	35-43-61	39-48-68	43-53-75	47-57-81	
			45°	7-12-22	10-16-25	13-19-28	16-22-31	18-23-33	20-25-35	23-28-40	25-31-43	27-33-47	
48x8 24x16	2.67	2.46	cfm	738	984	1230	1476	1722	1968	2460	2952	3444	
			NC	-	14	21	26	31	35	41	47	51	
			0°	17-27-50	24-36-58	30-45-64	36-50-71	42-54-76	47-58-82	53-64-91	58-71-100	62-76-108	
			Throw 22.5° (ft)	13-21-39	18-28-45	23-35-50	28-39-55	32-42-59	36-45-63	41-50-71	45-55-77	48-59-84	
			45°	8-12-22	11-16-26	13-20-29	16-22-32	19-24-34	21-26-37	24-29-41	26-32-45	28-34-49	
20x20	2.78	2.57	cfm	771	1028	1285	1542	1799	2056	2570	3084	3598	
			NC	-	14	21	26	31	35	42	47	52	
			0°	17-27-51	24-37-59	30-46-66	37-51-72	43-55-78	48-59-83	54-66-93	59-72-102	64-78-110	
			Throw 22.5° (ft)	13-21-40	19-28-46	24-35-51	28-40-56	33-43-60	37-46-65	42-51-72	46-56-79	49-60-85	
			45°	8-12-23	11-16-27	14-21-30	18-23-32	19-25-35	22-27-38	24-30-42	27-32-46	29-35-50	
36x12 24x18	3.00	2.75	cfm	825	1100	1375	1650	1925	2200	2750	3300	3850	
			NC	-	15	21	27	31	35	42	47	52	
			0°	18-28-53	25-38-61	31-47-68	38-53-75	44-57-81	50-61-86	56-68-96	61-75-106	66-81-114	
			Throw 22.5° (ft)	14-22-41	20-29-47	24-37-53	29-41-58	34-44-63	39-47-67	43-53-75	47-58-82	51-63-88	
			45°	8-13-24	11-17-27	14-21-31	17-24-34	20-26-36	22-27-39	25-31-43	27-34-48	30-36-51	





Supply Performance Data (continued)

Models: 300R, 300F, 300R-SS, 300R-HD, 301R, 301F, 301R-SS and 301R-HD

Performance based on nominal sizes shown in bold.

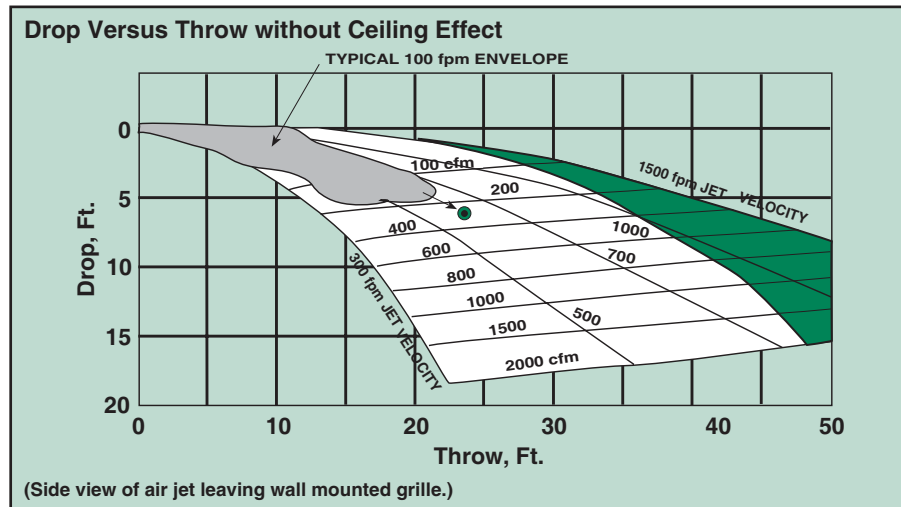
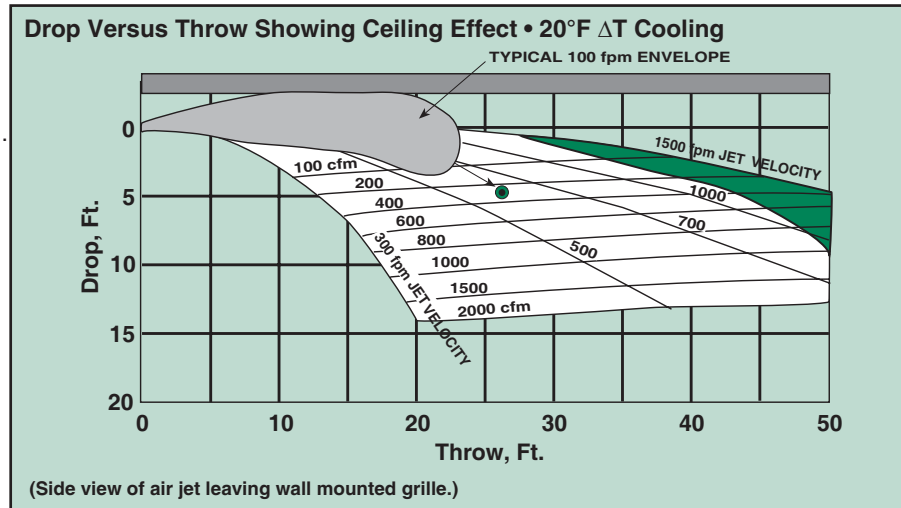
Nom. Duct Size (in.)	Nom. Duct Area (ft ²)	Core Area (ft ²)	Core Vel. Vel. Press.	NC-20			NC-30			NC-40			NC-50		
				300	400	500	600	700	800	1000	1200	1400			
				0°	0°	0°	0°	0°	0°	0°	0°	0°	0°		
42x38	11.08	10.67	Total 22.5°	0.016	0.029	0.046	0.066	0.090	0.117	0.183	0.263	0.358			
			Press. 45°	0.018	0.033	0.051	0.074	0.100	0.131	0.204	0.294	0.401			
			cfm	3201	4268	5335	6402	7469	8536	10670	12807	14938			
			NC	12	20	27	32	37	41	48	53	58			
40x40	11.11	10.7	0°	35-56-104	50-74-120	62-93-134	74-104-147	87-112-159	98-120-170	110-134-190	120-147-208	130-159-225			
			Throw 22.5°	27-43-81	38-58-93	48-72-104	58-81-114	67-87-123	76-93-132	85-104-147	93-114-161	101-123-174			
			(ft) 45°	16-25-47	22-34-54	28-42-60	34-47-66	39-51-71	44-54-76	49-60-85	54-66-94	58-71-101			
			cfm	3210	4280	5350	6420	7490	8560	10700	12840	14980			
48x36	12.00	11.57	0°	35-56-104	50-75-120	62-93-134	75-104-147	87-113-159	98-120-170	110-134-190	120-147-208	130-159-225			
			Throw 22.5°	27-43-81	39-58-93	48-72-104	58-81-114	67-87-123	76-93-132	85-104-147	93-114-161	101-123-174			
			(ft) 45°	16-25-47	22-34-54	28-42-61	34-47-66	39-51-72	44-54-77	49-61-86	54-66-94	58-72-101			
			cfm	3471	4628	5785	6942	8099	9256	11570	13884	16198			
42x42	12.25	11.82	0°	37-59-109	52-78-126	65-98-141	78-109-155	91-118-167	103-126-179	115-141-200	126-155-219	137-167-236			
			Throw 22.5°	28-46-85	40-61-98	51-76-110	61-93-120	71-92-130	80-98-139	89-110-155	98-120-170	106-130-183			
			(ft) 45°	16-26-49	24-35-57	29-44-64	35-49-70	41-53-75	46-57-80	52-64-90	57-70-99	61-75-106			
			cfm	3546	4728	5910	7092	8274	9456	11820	14184	16548			
44x44	13.44	12.99	0°	38-62-115	55-82-133	68-103-148	82-115-162	96-124-175	108-133-187	121-148-210	133-162-230	143-175-248			
			Throw 22.5°	30-48-89	42-64-103	52-80-115	64-89-126	74-96-136	84-103-145	94-115-162	103-126-178	111-136-192			
			(ft) 45°	17-28-52	25-37-60	31-46-67	37-52-73	43-56-79	49-60-84	54-67-94	60-73-103	64-79-112			
			cfm	3897	5196	6495	7794	9093	10392	12990	15588	18186			
48x42	14.00	13.54	0°	39-63-117	56-84-135	70-105-151	84-117-166	98-127-179	110-135-191	124-151-214	135-166-234	146-179-253			
			Throw 22.5°	30-49-91	43-65-105	54-81-117	65-91-128	76-98-139	86-105-148	96-117-166	105-128-182	113-139-196			
			(ft) 45°	18-28-53	25-38-61	31-47-68	38-53-75	44-57-81	50-61-86	56-68-96	61-75-105	66-81-114			
			cfm	4265	5688	7110	8532	9954	11376	14220	17064	19908			
46x46	14.69	14.22	0°	40-64-120	57-86-139	72-107-155	86-120-170	100-130-183	113-139-196	127-155-219	139-170-240	150-183-259			
			Throw 22.5°	31-50-93	44-67-107	56-83-120	67-93-132	78-101-142	88-107-152	98-120-170	107-132-186	116-142-201			
			(ft) 45°	18-29-54	26-39-62	32-48-70	39-54-76	45-58-83	51-62-88	57-70-99	62-76-108	67-83-117			
			cfm	4455	5940	7425	8910	10395	11880	14850	17820	20790			
48x46	15.33	14.85	0°	41-66-123	59-88-142	73-110-158	88-123-174	102-133-187	116-142-200	129-158-224	142-174-245	153-187-265			
			Throw 22.5°	32-51-95	45-68-110	57-85-123	68-95-134	79-103-145	90-110-155	100-123-174	110-134-190	119-145-205			
			(ft) 45°	18-30-55	26-40-64	33-49-71	40-55-78	46-60-84	52-64-90	58-71-101	64-78-110	69-84-119			
			cfm	4650	6200	7750	9300	10850	12400	15500	18600	21700			
48x48	16.00	15.50	0°	42-67-125	60-90-145	75-112-162	90-125-177	105-135-192	118-145-205	132-162-229	145-177-251	156-192-271			
			Throw 22.5°	33-52-97	46-70-112	58-87-125	70-97-137	81-105-148	92-112-159	102-125-177	112-137-194	121-148-210			
			(ft) 45°	19-30-56	27-40-65	34-50-73	40-56-80	47-61-86	53-65-92	59-73-103	65-80-113	70-86-122			
			cfm	4650	6200	7750	9300	10850	12400	15500	18600	21700			

Performance Data

- 0°, 22.5° & 45° represent blade deflection angles.
- Performance data is based on duct sizes in bold, the performance varies slightly for duct sizes not shown in bold.
- See the section, Engineering Guidelines, for drop information when selecting larger supply grilles for cooling purposes.
- See the "Performance Notes" portion in this section for notes and correction factors.
- See the section, Engineering Guidelines, for catalog throw information.
- Each NC value represents the noise criteria curve that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7, with a room absorption of 10 dB, re 10⁻¹² watts.

Performance Notes

- Performance data includes damper.
- Data obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991.
- All pressures are in inches of water.
- Core velocities are in feet per minute.
- Throw values given are for isothermal terminal velocities of 150, 100 and 50 fpm.
- Each NC value represents the noise criterion curve that will not be exceeded by the sound pressure in any of the octave bands, 2 through 7. Each NC value is based on a room absorption of 10 dB, re 10⁻¹² watts. Each NC value is further based on grille operating at a 0° deflection. Settings of 22½° or 45°, increase the stated sound levels by 1 or 7 NC, respectively.
- Bold dividing lines on K8-K12 denote ranges of NC values.
- The stated deflection settings refer to the horizontal setting of the blade's deflection angle. For a 20° upward deflection, use the throw rating for the 0° setting and the total pressure for the 22½° horizontal setting.
- Dash (—) in space indicates NC value less than 10.
- For additional information concerning drop and throw, see the Engineering Guidelines section of this catalog.



Correction Factors for 300/301 Supply Grilles

Model	Damper	A _k / A _c	Throw	Total Pressure	NC
300R, 300F	With	0.77	1.00	1.00	0
301R, 301F	Without	0.82	0.98	0.88	-2

Note: Throw and total pressure corrections are multipliers. The NC correction is an addition. A_k is the flow factor. A_c is the core area from the main table.

Variable Air Volume Applications

All TITUS supply grilles can be applied to variable air volume systems with excellent results. For detailed selection methods, consult your TITUS representative or the Engineering Guidelines section of this catalog.

Performance Notes (continued)

Horizontal Deflection (Spread)

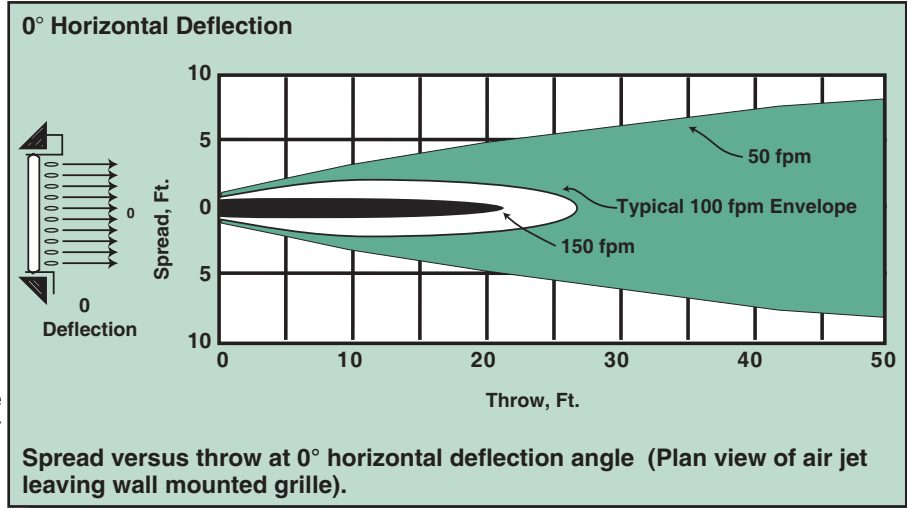
Supply Grilles

The figures depicting deflection, throw and drop are based on actual tests conducted by TITUS. They show the relationship of spread to throw for a typical high side-wall supply outlet selection.

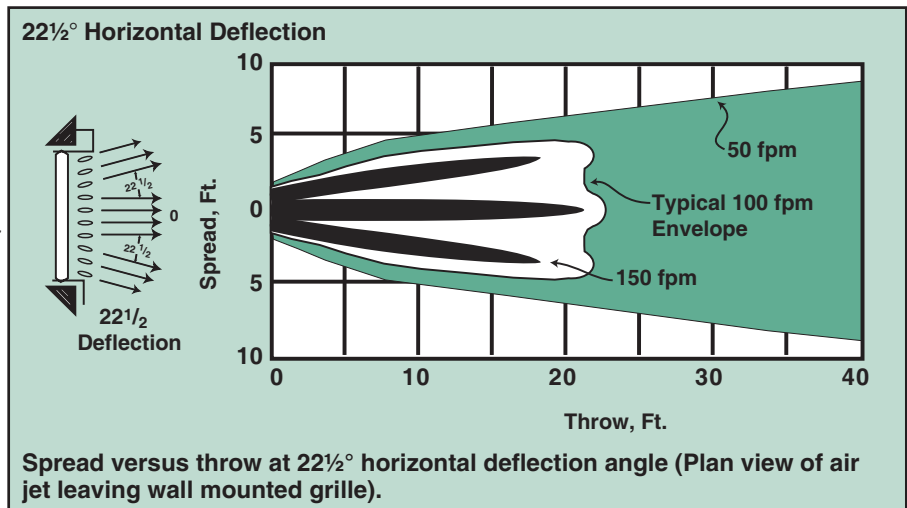
Notice the outer shaded area represents the 50 fpm isovel, the white area, the 100 fpm isovel, and the inner area, the 150 fpm isovel.

The spread angle also affects the airstream drop amount. Always consider for any given temperature, volume and core velocity; the wider spread results in a smaller drop. See section, Engineering Guidelines, for more drop, throw and spread relationship information.

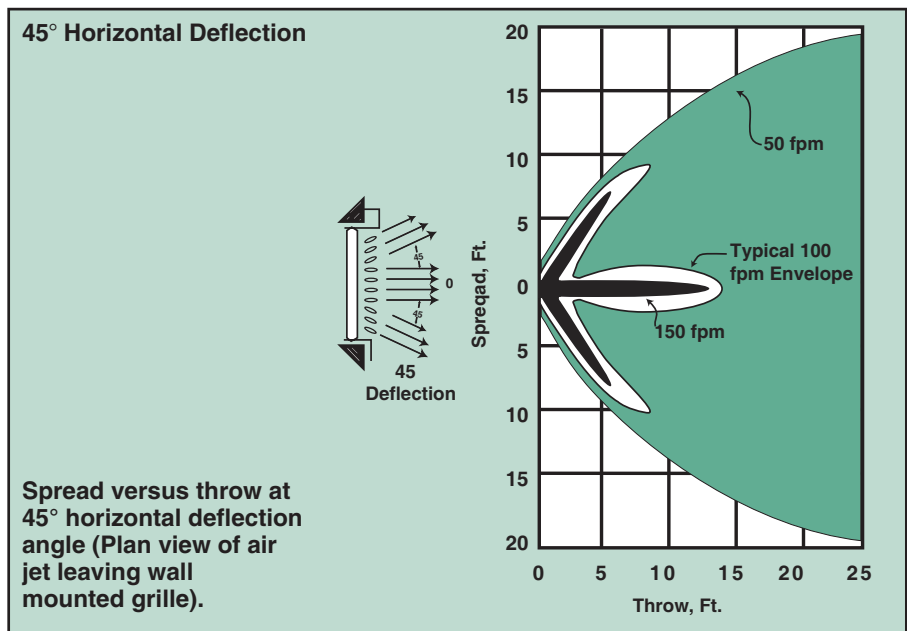
TITUS grilles can be selected with a single set of blades for adjusting either horizontal or vertical deflection, or with two sets of blades for adjusting both horizontal and vertical deflections.



Spread versus throw at 0° horizontal deflection angle (Plan view of air jet leaving wall mounted grille).



Spread versus throw at 22½° horizontal deflection angle (Plan view of air jet leaving wall mounted grille).



Spread versus throw at 45° horizontal deflection angle (Plan view of air jet leaving wall mounted grille).

K