



Performance Data

T-700 and CT-700 Door Grilles

Performance based on nominal sizes shown in bold.

Nominal Duct Size (in)	Nominal Duct Area sq. ft	Core Area sq. ft	Core Velocity Velocity Pressure CT-700 Static Pressure T-700 Static Pressure	NC 20				NC 30				NC 40										
				200	250	300	350	400	450	500	550	600	0.003	0.004	0.006	0.008	0.010	0.013	0.016	0.019	0.022	
				0.028	0.044	0.063	0.086	0.113	0.143	0.176	0.213	0.254	0.027	0.043	0.062	0.084	0.110	0.139	0.172	0.208	0.247	
6x6	0.25	0.19	Airflow, cfm	38	48	57	67	76	86	95	105	114	NC (Noise Criteria)	15	20	24	27	30	32	34	36	38
8x6	0.33	0.26	Airflow, cfm	52	65	78	91	104	117	130	143	156	NC (Noise Criteria)	16	21	25	28	31	33	36	38	39
10x6	0.42	0.34	Airflow, cfm	68	85	102	119	136	153	170	187	204	NC (Noise Criteria)	18	22	26	29	32	35	37	39	41
8x8	0.44	0.37	Airflow, cfm	74	93	111	130	148	167	185	204	222	NC (Noise Criteria)	18	23	26	30	32	35	37	39	41
12x6	0.50	0.41	Airflow, cfm	82	103	123	144	164	185	205	226	246	NC (Noise Criteria)	18	23	27	30	33	35	38	40	41
14x6	0.58	0.48	Airflow, cfm	96	120	144	168	192	216	240	264	288	NC (Noise Criteria)	19	24	28	32	34	37	39	41	43
16x6			Airflow, cfm	114	143	171	200	228	257	285	314	342	NC (Noise Criteria)	20	24	28	31	34	36	38	40	42
12x8	0.67	0.57	Airflow, cfm	118	148	177	207	236	266	295	325	354	NC (Noise Criteria)	20	25	28	32	34	37	39	41	43
10x10	0.69	0.59	Airflow, cfm	126	158	189	221	252	284	315	347	378	NC (Noise Criteria)	20	25	29	32	35	37	39	41	43
18x6	0.75	0.63	Airflow, cfm	144	180	216	252	288	324	360	396	432	NC (Noise Criteria)	21	25	29	33	35	38	40	42	44
20x6			Airflow, cfm	154	193	231	270	308	347	385	424	462	NC (Noise Criteria)	21	26	30	33	36	38	40	42	44
22x6	0.92	0.77	Airflow, cfm	176	220	264	308	352	396	440	484	528	NC (Noise Criteria)	22	26	30	33	36	39	41	43	45
24x6			Airflow, cfm	222	278	333	389	444	500	555	611	666	NC (Noise Criteria)	23	27	31	34	37	40	42	44	46
18x10	1.25	1.11	Airflow, cfm	244	305	366	437	488	549	610	671	732	NC (Noise Criteria)	23	28	32	35	38	40	42	44	46
14x14	1.36	1.22	Airflow, cfm	270	338	405	473	540	608	675	743	810	NC (Noise Criteria)	24	28	32	35	38	41	43	45	47
18x12	1.50	1.35	Airflow, cfm	274	343	411	480	548	617	685	754	822	NC (Noise Criteria)	24	28	32	35	38	41	43	45	47
22x10	1.53	1.37	Airflow, cfm	298	373	447	522	596	671	745	820	894	NC (Noise Criteria)	24	28	32	35	38	41	43	45	47
24x10	1.67	1.49	Airflow, cfm	318	398	477	557	636	716	795	875	954	NC (Noise Criteria)	24	29	33	36	39	41	43	45	47
42x6			Airflow, cfm	324	405	486	567	648	729	810	891	972	NC (Noise Criteria)	24	29	33	36	39	41	44	46	47
16x16	1.78	1.62	Airflow, cfm	364	455	546	637	728	819	910	1001	1092	NC (Noise Criteria)	25	30	33	37	39	42	44	46	48
18x16			Airflow, cfm	414	518	621	725	828	932	1035	1139	1242	NC (Noise Criteria)	25	30	34	37	40	42	45	47	48
18x18	2.25	2.07	Airflow, cfm	428	535	642	749	856	963	1070	1177	1284	NC (Noise Criteria)	26	30	34	37	40	42	45	47	49
24x14	2.33	2.14	Airflow, cfm	458	573	687	802	916	1031	1145	1260	1374	NC (Noise Criteria)	26	31	34	38	40	43	45	47	49
24x16	2.67	2.46	Airflow, cfm	493	615	738	861	984	1107	1230	1353	1476	NC (Noise Criteria)	26	31	35	38	41	43	45	47	49
20x20	2.78	2.57	Airflow, cfm	514	643	771	900	1028	1157	1285	1414	1542	NC (Noise Criteria)	26	31	35	38	41	43	46	48	49
30x16	3.33	3.11	Airflow, cfm	622	778	933	1089	1244	1400	1555	1711	1866	NC (Noise Criteria)	27	32	36	39	42	44	46	48	50
24x20			Airflow, cfm	628	785	942	1099	1256	1413	1570	1727	1884	NC (Noise Criteria)	27	32	36	39	42	44	46	48	50
22x22	3.36	3.14	Airflow, cfm	686	858	1029	1201	1372	1544	1715	1887	2058	NC (Noise Criteria)	28	32	36	39	42	45	47	49	51
24x22	3.67	3.43	Airflow, cfm	700	875	1050	1225	1400	1575	1750	1925	2100	NC (Noise Criteria)	28	32	36	39	42	45	47	49	51
30x18	3.75	3.50	Airflow, cfm	750	938	1125	1313	1500	1688	1875	2063	2250	NC (Noise Criteria)	28	33	36	40	43	45	47	49	51
24x24	4.00	3.75	Airflow, cfm	942	1178	1413	1649	1884	2120	2355	2591	2826	NC (Noise Criteria)	29	34	37	41	43	46	48	50	52
30x24	5.00	4.71	Airflow, cfm	1032	1290	1548	1806	2064	2322	2580	2838	3096	NC (Noise Criteria)	29	34	38	41	44	46	49	51	52
28x28	5.44	5.16	Airflow, cfm	1102	1378	1653	1929	2204	2480	2755	3031	3306	NC (Noise Criteria)	30	34	38	41	44	47	49	51	53
30x28	5.83	5.51	Airflow, cfm	1188	1485	1782	2079	2376	2673	2970	3267	3564	NC (Noise Criteria)	30	35	38	42	44	47	49	51	53

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Performance Data



- Static pressures are negative, in inches of water, measured per ANSI/ASHRAE Standard 70-91.

- NC based on room absorption of 10dB, re 10⁻¹² watts, measured per ANSI/ASHRAE Standard 70-91.

NC 50