TDCR PERFORMANCE DATA

TDCR with HEPA-R Filter - 24" x 24" with 10" round inlet

Air Flow, CFM	100	125	150	175	200	225	250	300	350
Static Pressure	0.19	0.24	0.29	0.34	0.40	0.45	0.51	0.62	0.74
Total Pressure	0.19	0.24	0.29	0.35	0.41	0.46	0.52	0.64	0.77
NC (Noise Criterion)	-	-	11	13	15	17	19	21	24
Throw	1-2-4	1-2-5	2-3-6	2-3-6	3-4-7	3-4-7	3-5-8	4-6-9	4-6-9

TDCR with HEPA-R Filter - 48" x 24" with 12" round inlet

Air Flow, CFM	250	300	350	400	450	500	550	600	650
Static Pressure	0.22	0.27	0.32	0.38	0.43	0.49	0.55	0.61	0.67
Total Pressure	0.23	0.28	0.33	0.40	0.45	0.52	0.58	0.65	0.71
NC (Noise Criterion)	13	17	21	24	27	29	31	34	35
Throw (short side)	1-2-4	1-3-5	2-3-5	2-4-5	3-4-6	3-4-6	4-4-6	4-5-6	4-5-7
Throw (long side)	1-2-7	1-3-10	2-3-12	2-4-14	3-6-14	3-7-15	4-8-16	4-10-17	5-11-17

PERFORMANCE NOTES

- Throw values are given for terminal velocities of 150, 100, and 50 fpm. For an explanation of catalog throw data, see the section, Engineering Guidelines for catalog throw data.
- Throw data is based on isothermal conditions
- Static pressure and total pressure vaules include initial resistnace of a HEPA-R filter with 2 inch thick media pack.
- NC values are based on a room absorption of 10 dB, re 10-12 watts, with one diffuser operating
- NC values less than 10 is shown as "-"
- These products have been tested per ANSI/ASHRAE 70-2006. Actual performance, with flexible duct inlet, may vary in the field. See the section, Engineering Guidelines for additional information.
- Data in the tables apply when the diffuser is mounted nearly flush with the ceiling for maximum ceiling effect. When no ceiling effect is present, the horizontal throw will be about 25% less than shown in the tables. The mounting distance below the ceiling will also affect the downward projection.