



PERFORMANCE DATA

critical environment diffusers

TLF, TLF-AA AND TLF-SS

7" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 12" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	34	37	40	44
60" x 12" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	34	37	40	44
72" x 12" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	34	36	39	43
24" x 24" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	34	37	40	44
36" x 24" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	34	37	40	44
48" x 24" Module	Total Pressure	0.035	0.050	0.068	0.090	0.114	0.170	0.200	0.235	0.313
	NC (Noise Criteria)	11	16	20	24	28	33	36	39	43

8" Round Inlet	Airflow (CFM)	100	120	140	160	180	220	240	260	300
48" x 24" Module	Total Pressure	0.020	0.027	0.038	0.050	0.062	0.090	0.113	0.130	0.175
	NC (Noise Criteria)	-	-	14	18	22	28	31	33	37
60" x 24" Module	Total Pressure	0.020	0.027	0.038	0.049	0.061	0.089	0.109	0.126	0.168
	NC (Noise Criteria)	-	-	14	18	22	28	31	33	37
72" x 24" Module	Total Pressure	0.019	0.027	0.037	0.048	0.060	0.088	0.105	0.124	0.162
	NC (Noise Criteria)	-	-	14	18	22	28	31	33	37

10" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.043	0.053	0.065	0.080	0.094	0.110	0.147	0.166	0.244
	NC (Noise Criteria)	19	22	25	28	31	33	38	40	45
60" x 24" Module	Total Pressure	0.043	0.053	0.065	0.079	0.094	0.110	0.147	0.166	0.244
	NC (Noise Criteria)	19	22	25	28	31	33	38	40	45
72" x 24" Module	Total Pressure	0.042	0.052	0.063	0.079	0.092	0.107	0.145	0.163	0.240
	NC (Noise Criteria)	19	22	25	28	31	33	38	40	45

12" Round Inlet	Airflow (CFM)	215	240	265	295	320	345	400	425	515
48" x 24" Module	Total Pressure	0.023	0.029	0.035	0.043	0.051	0.059	0.080	0.090	0.132
	NC (Noise Criteria)	11	15	18	22	24	27	32	34	40
60" x 24" Module	Total Pressure	0.023	0.029	0.035	0.043	0.051	0.059	0.080	0.090	0.132
	NC (Noise Criteria)	11	15	18	22	24	27	32	34	40
72" x 24" Module	Total Pressure	0.023	0.028	0.034	0.042	0.050	0.058	0.078	0.088	0.129
	NC (Noise Criteria)	11	15	18	22	24	27	32	34	40

- All data based on full open disc position
- NC values are based on a room absorption of 10 dB.
- Data obtained in accordance with ASHRAE Standard 70-2006 and ASHRAE Standard 113-2013
- Throw is based on 0-5° cooling with terminal velocities of 75, 50 and 30 fpm
- See the section, Engineering Guidelines and the topic 'Procedure to Obtain Catalog Throw Data' in this catalog for throw information
- Performance data for additional sizes not shown can be obtained by using the Titus TEAMS program