

PERFORMANCE DATA

Single Sided Supply

For 4' / 1200 mm Light Fixture

Neck Size	Flow Rate (cfm)	50	60	70	80	90	100	110	120	140
	Throw (ft.)	1-2-10	2-4-14	2-5-17	3-6-19	4-8-20	4-10-21	5-12-22	6-14-24	8-17-25
5 in. Oval	Total Pressure (in. w.g.)	.053	.076	.104	.136	.171	.202	.255	.305	.415
	Sound (NC)	-	-	-	23	27	31	34	37	42
6 in. Oval	Total Pressure (in. w.g.)	.048	.070	.095	.124	.157	.194	.234	.279	.380
	Sound (NC)	-	-	-	23	27	31	34	37	42

For 3' / 900 mm Light Fixture

Neck Size	Flow Rate (cfm)	40	50	60	70	80	90	100	110	120
	Throw (ft.)	3-6-13	4-8-15	6-10-16	8-11-18	9-13-19	10-14-20	11-15-21	12-16-22	13-17-23
5 in. Oval	Total Pressure	.063	.102	.142	.192	.252	.317	.394	.476	.564
	Sound (NC)	-	22	27	31	35	39	42	45	48
6 in. Oval	Total Pressure	.061	.094	.136	.183	.240	.303	.376	.455	.538
	Sound (NC)	-	22	27	31	35	39	42	45	48

For 2' / 600 mm Light Fixture

Neck Size	Flow Rate (cfm)	30	40	50	60	70	80	90
	Throw (ft.)	2-5-11	4-7-13	6-9-15	7-11-17	8-13-18	10-13-19	11-14-20
5 in. Oval	Total Pressure (in. w.g.)	.056	.099	.157	.225	.307	.401	.507
	Sound (NC)	-	24	30	36	40	45	48
6 in. Oval	Total Pressure (in. w.g.)	.055	.097	.152	.219	.298	.389	.493
	Sound (NC)	-	24	30	36	40	45	48

Table of Velocity Pressures (in. w.g.)

cfm	20	30	40	50	60	70	80	90	100	110	120	140	160	180	200	220
5 in.	.001	.003	.005	.009	.012	.017	.022	.027	.034	.041	.049	.066	.087	.100	.135	.163
6 in.	-	-	-	.004	.006	.008	.010	.013	.016	.020	.023	.031	.041	.052	.063	.078
8 in.	-	-	-	.001	.002	.002	.003	.004	.005	.006	.007	.010	.013	.017	.021	.025

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 cubic feet per minute, cfm.
3. All pressures are in in. w.g.
4. Throw values are measured in feet for terminal velocities of 150 fpm (minimum), 100 fpm (middle) and 50 fpm (maximum)
5. Throw data is based on supply air and room air being at isothermal conditions.
6. NC values are based on room absorption of 10 dB re 10-12 watts and one diffuser.
7. Blanks "-" indicate an NC level below 15.
8. Tested without a light fixture. Light fixture may alter performance data.

Return

Model	Flow Rate (cfm)	20	30	40	50	60	70	80	90	100
LTR-4	Total Pressure (in. w.g.)	.003	.007	.012	.020	.029	.040	.051	.065	.080
	Sound (NC)	-	-	-	-	-	-	16	19	22
LTR-3	Total Pressure (in. w.g.)	.009	.021	.036	.057	.084	.112	.147	.188	.230
	Sound (NC)	-	-	-	15	20	24	28	31	34
LTR-2	Total Pressure (in. w.g.)	.021	.049	.084	.130	.196	.260	.340	.440	.530
	Sound (NC)	-	-	18	24	29	33	37	40	43

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 cubic feet per minute [cfm].
3. NC, sound pressure levels, based on a room absorption of 10 dB re 10⁻¹² Watts, and a single diffuser/grille.
4. Blanks "-" indicate an NC level below 15.
5. All pressures are in inches of water column [in. w.g.].
6. Pressures not listed can be calculated using the following formula:
Ptotal = Pstatic + Pvelocity

PERFORMANCE DATA

Saddle Type Supply

For 4' / 1200 mm Light Fixture

Neck Size	Flow Rate (cfm)		60	80	100	120	140	160	180	200	220
	Throw (ft.)		0-1-3	1-1-5	1-2-8	1-3-10	2-4-12	2-5-13	3-6-14	4-8-15	4-9-16
5 in. [127] Round	Total Pressure (in. w.g.)		.053	.098	.151	.217	.292	.385	.487	.598	.722
	Sound (NC)		-	-	20	26	30	34	37	41	44
6 in. [152] Round	Total Pressure (in. w.g.)		.034	.057	.090	.130	.175	.232	.294	.356	.441
	Sound (NC)		-	-	-	24	29	32	36	39	42
8 in. [203] Round	Total Pressure (in. w.g.)		.024	.043	.068	.097	.133	.173	.219	.271	.327
	Sound (NC)		-	-	-	20	25	29	32	35	38
LP-5 in. [127] Oval	Total Pressure (in. w.g.)		.035	.065	.100	.144	.193	.255	.322	.396	.478
	Sound (NC)		-	-	22	27	32	36	39	42	45
LP-6 in. [152] Oval	Total Pressure (in. w.g.)		.025	.042	.067	.097	.131	.173	.219	.265	.328
	Sound (NC)		-	-	-	23	28	32	35	38	41

For 3' / 900 mm Light Fixture

Neck Size	Flow Rate (cfm)		50	60	70	80	100	120	140	160	180
	Throw (ft.)		1-2-7	1-3-8	2-4-10	2-5-11	4-7-12	6-9-14	6-10-14	7-11-51	8-12-16
5 in. Round	Total Pressure (in. w.g.)		.036	.051	.071	.092	.144	.204	.281	.367	.460
	Sound (NC)		-	-	-	22	28	33	37	40	43
6 in. Round	Total Pressure (in. w.g.)		.031	.045	.062	.080	.126	.178	.246	.321	.402
	Sound (NC)		-	-	-	22	28	33	37	40	43
LP-5 in. [127] Oval	Total Pressure (in. w.g.)		.036	.051	.071	.092	.144	.204	.281	.367	.460
	Sound (NC)		-	-	-	22	28	33	37	40	43
LP-6 in. [152] Oval	Total Pressure (in. w.g.)		.031	.045	.062	.080	.126	.178	.246	.321	.402
	Sound (NC)		-	-	-	22	28	33	37	40	43

For 2' / 600 mm Light Fixture

Neck Size	Flow Rate (cfm)		40	50	60	70	80	90	100	110	120
	Throw (ft.)		1-3-7	2-4-8	3-5-9	3-6-10	4-7-11	5-7-11	5-8-12	6-9-12	7-9-13
5 in. Round	Total Pressure (in. w.g.)		.040	.062	.090	.124	.163	.200	.252	.304	.363
	Sound (NC)		-	-	-	23	27	31	34	37	40
6 in. Round	Total Pressure (in. w.g.)		.039	.061	.088	.118	.151	.197	.242	.302	.348
	Sound (NC)		-	-	-	23	27	31	34	37	40
LP-5 in. [127] Oval	Total Pressure (in. w.g.)		.031	.050	.072	.100	.129	.164	.199	.240	.287
	Sound (NC)		-	-	-	21	25	29	32	35	38
LP-6 in. [152] Oval	Total Pressure (in. w.g.)		.029	.044	.064	.089	.114	.144	.178	.222	.256
	Sound (NC)		-	-	-	21	25	29	32	35	38

Table of Velocity Pressures, in. w.g.

cfm	20	30	40	50	60	70	80	90	100	110	120	140	160	180	200	220
5 in.	.001	.003	.005	.009	.012	.017	.022	.027	.034	.041	.049	.066	.087	.100	.135	.163
6 in.	-	-	-	.004	.006	.008	.010	.013	.016	.020	.023	.031	.041	.052	.063	.078
8 in.	-	-	-	.001	.002	.002	.003	.004	.005	.006	.007	.010	.013	.017	.021	.025

Performance Notes:

- Tested in accordance with ASHRAE Standard 70-2006 "Method of testing for Rating the Performance of Air Outlets and Inlets."
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- Tested without a light fixture. Light fixture may alter performance data.