Fixed Pattern - Horizontal Throw 12x12

Neck Size (in.)	Neck Velocity	200	300	500	600	700	800	900	1000	1100
	Airflow Rate (CFM)	39	59	98	118	137	157	177	196	216
6	Static Pressure	0.006	0.015	0.040	0.058	0.079	0.103	0.131	0.161	0.195
	Total Pressure	0.009	0.020	0.056	0.081	0.110	0.143	0.181	0.224	0.271
	Horizontal Throw	1-2-4	2-3-7	4-6-9	4-7-10	5-8-11	6-8-12	7-9-13	7-9-13	8-10-14
	NC	-	-	-	-	15	20	25	30	34

Neck Size (in.)	Neck Velocity	200	300	400	500	600	700	800	900	1000
	Airflow Rate (CFM)	70	105	140	175	209	244	279	314	349
8	Static Pressure	0.018	0.040	0.071	0.111	0.160	0.218	0.285	0.361	0.446
	Total Pressure	0.020	0.046	0.081	0.127	0.183	0.249	0.325	0.411	0.508
	Horizontal Throw	2-3-6	3-4-9	4-6-11	5-7-13	6-9-14	7-10-15	8-11-16	9-12-17	10-13-18
	NC	-	-	-	16	23	30	35	40	45

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Throw values are given for isothermal conditions.
3. Units: Neck Velocity = fpm; Static Pressure = in. wc; Total Pressure = in. wc.
4. Throw = feet. at 150 fpm, 100 fpm and 50 fpm terminal velocity.
5. NC is based on octave bands 2-7 sound power levels with a room abosorption of 10dB (Re: 10^{-12} watts).
6. Dash (-) in space denotes an NC value of less than 10.

ENGINEERING DATA

S1200, A1200

Fixed Pattern - Horizontal Throw 24x24

Neck Size (in.)	Neck Velocity	200	300	500	600	700	800	900	1000	1100
	Airflow Rate (CFM)	39	59	98	118	137	157	177	196	216
6	Static Pressure	0.003	0.006	0.016	0.023	0.032	0.042	0.053	0.065	0.079
	Total Pressure	0.005	0.011	0.032	0.046	0.062	0.081	0.103	0.127	0.154
	Horizontal Throw	0-1-3	1-2-4	2-4-7	3-4-8	3-5-8	4-6-9	4-6-9	5-7-10	5-7-10
	NC	-	-	-	-	15	19	23	26	29

Neck Size (in.)	Neck Velocity	200	300	500	600	700	800	900	1000	1100
	Airflow Rate (CFM)	70	105	175	209	244	279	314	349	384
8	Static Pressure	0.003	0.008	0.022	0.031	0.042	0.055	0.070	0.086	0.105
	Total Pressure	0.006	0.013	0.037	0.054	0.073	0.095	0.121	0.149	0.180
	Horizontal Throw	1-1-4	1-3-6	3-5-9	4-6-10	4-7-11	5-7-12	6-8-13	6-9-13	7-10-14
	NC	-	-	-	14	19	23	27	30	33

Neck Size (in.)	Neck Velocity	200	300	500	600	700	800	900	1000	1100
	Airflow Rate (CFM)	109	164	273	327	382	436	491	545	600
10	Static Pressure	0.005	0.010	0.029	0.041	0.056	0.073	0.093	0.114	0.138
	Total Pressure	0.007	0.016	0.044	0.064	0.087	0.113	0.143	0.177	0.214
	Horizontal Throw	1-1-5	1-3-7	4-6-12	5-7-13	5-8-14	6-9-15	7-11-16	8-12-17	9-12-17
	NC	-	-	11	17	22	26	30	33	36

Neck Size (in.)	Neck Velocity	200	300	500	600	700	800	900	1000	1100
	Airflow Rate (CFM)	157	236	393	471	550	628	707	785	864
12	Static Pressure	0.006	0.013	0.037	0.053	0.073	0.095	0.120	0.148	0.179
	Total Pressure	0.008	0.019	0.053	0.076	0.103	0.135	0.170	0.210	0.255
	Horizontal Throw	1-2-6	2-4-8	5-7-14	6-8-15	7-10-17	7-11-18	8-13-19	9-14-20	10-15-21
	NC	-	-	14	19	24	28	32	36	39

Neck Size (in.)	Neck Velocity	200	300	400	500	600	700	800	900	1000
	Airflow Rate (CFM)	214	321	428	535	641	748	855	962	1069
14	Static Pressure	0.008	0.017	0.030	0.047	0.068	0.092	0.120	0.152	0.188
	Total Pressure	0.010	0.023	0.040	0.063	0.090	0.123	0.160	0.203	0.251
	Horizontal Throw	1-2-7	2-4-10	4-7-13	5-8-16	7-10-18	8-11-19	9-13-21	10-15-22	11-16-23
	NC	-	-	-	16	21	26	31	34	38

Neck Size (in.)	Neck Velocity	200	300	400	500	600	700	800	900	1000
	Airflow Rate (CFM)	245	368	491	614	736	859	982	1104	1227
15	Static Pressure	0.008	0.019	0.034	0.053	0.076	0.103	0.135	0.171	0.211
	Total Pressure	0.011	0.025	0.044	0.068	0.098	0.134	0.175	0.221	0.273
	Horizontal Throw	1-2-7	2-5-11	4-7-14	6-9-18	7-11-19	8-12-21	9-14-22	11-16-24	12-18-25
	NC	-	-	-	16	22	27	31	35	39

Notes:

1. Tests conducted in accordance with ANSI/ASHRAE 70-1991 at isothermal conditions.
2. Throw values are given for isothermal conditions.
3. Units: Neck Velocity = fpm; Static Pressure = in. wc; Total Pressure = in. wc.
4. Throw = feet. at 150 fpm, 100 fpm and 50 fpm terminal velocity.
5. NC is based on octave bands 2-7 sound power levels with a room abosorption of 10dB (Re: 10^{-12} watts).
6. Dash (-) in space denotes an NC value of less than 10.