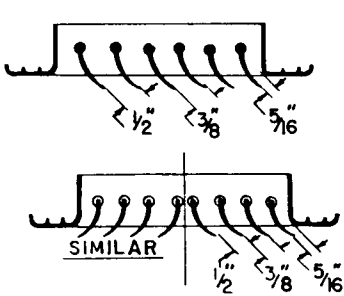


SELECTION PROCEDURE:

1. The grille or grilles selected should deliver the necessary CFM for the area to be conditioned.
2. The throw should reach approximately $\frac{3}{4}$ of the distance from outlet to opposite wall.
3. The neck velocity should not exceed the recommended velocity for the application.
4. Use correct ceiling heights to prevent air stream from dropping into occupied zone. The occupied zone is generally thought of as 6 feet above floor level.
5. After determining CFM requirements, consult chart for the proper outlet size to satisfy the throw, ceiling height, total pressure and face velocity requirements.

Ac		.16	.20	.26	.35	.40	.62	.70
	SIZE	8 x 4	8 x 5 10 x 4 6 x 6	8 x 6 12 x 4 10 x 5 14 x 4	10 x 6 12 x 5	8 x 8 12 x 6 14 x 5	10 x 10 12 x 5 16 x 6	14 x 8 12 x 10 20 x 6
C.F.M.	DIRECTIONAL THROW	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
50	TOTAL PRESS. NECK VELOCITY THROW	.028 300 10 8 7 7	.018 250 9 7 6 6	.013 170 8 6 5 5				
75	TOTAL PRESS. NECK VELOCITY THROW	.058 625 14 12 10 10	.046 325 12 10 8 7	.037 250 10 8 6 6	.018 200 9 7 5 5	.012 190 9 6 4 4		
100	TOTAL PRESS. NECK VELOCITY THROW	.106 820 17 14 11 10	.084 400 16 13 10 9	.048 350 15 12 10 9	.030 300 12 10 8 7	.021 250 12 9 6 5		
125	TOTAL PRESS. NECK VELOCITY THROW		.101 500 18 14 12 11	.072 450 16 13 10 9	.048 350 15 12 9 8	.034 325 14 11 8 7	.019 200 12 9 7 7	
150	TOTAL PRESS. NECK VELOCITY THROW		.19 600 25 20 18 15	.155 600 20 17 13 12	.070 425 16 14 11 9	.049 400 16 14 11 9	.027 250 13 11 8 8	.019 210 12 10 8 8
175	TOTAL PRESS. NECK VELOCITY THROW				.094 500 18 16 12 10	.066 450 18 15 12 10	.038 300 15 12 10 9	.023 250 13 11 9 9
200	TOTAL PRESS. NECK VELOCITY THROW				.123 600 23 18 15 13	.085 500 23 17 12 10	.049 350 17 14 12 11	.031 290 15 13 10 10
225	TOTAL PRESS. NECK VELOCITY THROW				.156 675 27 22 16 14	.108 550 25 19 14 13	.061 375 20 17 14 13	.039 320 17 14 12 11
250	TOTAL PRESS. NECK VELOCITY THROW	FIN SETTINGS: Set 60% of fins at $\frac{3}{8}$ " setting. Set 15% of fins at $\frac{5}{16}$ " setting. Set 25% of fins at $\frac{1}{2}$ " setting. Performance data compiled with fins set in pattern shown below. 				.133 600 29 23 17 15	.075 400 22 18 15 14	.048 350 19 16 13 12
275	TOTAL PRESS. NECK VELOCITY THROW					.161 700 32 27 23 20	.090 450 24 20 17 16	.061 400 21 18 15 14
300	TOTAL PRESS. NECK VELOCITY THROW						.106 500 26 22 19 18	.070 420 23 19 16 15
325	TOTAL PRESS. NECK VELOCITY THROW						.125 520 29 24 21 20	.085 450 25 21 18 17
350	TOTAL PRESS. NECK VELOCITY THROW						.147 540 30 25 22 21	.094 480 27 22 19 18
375	TOTAL PRESS. NECK VELOCITY THROW							.110 520 29 23 20 19
400	TOTAL PRESS. NECK VELOCITY THROW							.122 590 31 24 21 20

Throw is listed at 50 F.P.M. terminal velocity.

NC levels correspond with the following neck velocities – less than 250FPM yields NC less than 20. 250-600 FPM yields NC 25-30. 600-900 FPM yields NC 30-35. 900-1200 FPM yields NC 35-40.