

OL-2 Chevron Blades

Anodized Extruded Aluminum Outside Louvers



FREE PRESSURE AREA IN SQ. FT.

HEIGHT (INCHES)	WIDTH (INCHES)							
	10	12	14	16	18	20	22	24
4	.07	.09	.10	.11	.13	.15	.16	.18
6	.11	.13	.15	.17	.20	.23	.25	.27
8	.14	.17	.20	.22	.27	.30	.33	.36
10	.18	.21	.25	.28	.33	.37	.41	.45
12	.21	.25	.30	.34	.39	.44	.49	.54
14	.26	.31	.37	.42	.49	.55	.59	.62
16	.31	.37	.44	.51	.59	.66	.73	.80
18	.36	.43	.52	.60	.69	.77	.85	.94
20	.42	.50	.60	.69	.79	.89	.98	1.08
22	.47	.56	.67	.77	.89	.99	1.10	1.22
24	.52	.62	.74	.86	.99	1.11	1.23	1.35

CFM = Velocity × Free Pressure Area.

NOTE:

For sizes not shown, the approximate free area in square feet can be calculated by using the formula below:

$$\text{Free Pressure Area} = \frac{\left(\frac{\text{Height} - 2}{2.66} \right) \times \left(\text{Width} - 1\frac{1}{4} \right)}{144}$$

VELOCITY/PRESSURE

Velocity	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
Exhaust	.005	.012	.019	.033	.046	.059	.083	.100	.125	.156	.181	.215	.250	.285
Intake	-.007	-.016	-.031	-.046	-.066	-.097	-.125	-.150	-.185	-.225	-.275	-.315	-.370	-.425

SELECTION PROCEDURE

EXAMPLE

Exhaust requirement for 1000 CFM with pressure of .125 W.G.
 Bottom chart shows 1000 FPM velocity achieved at .125 W.G.
 Effective pressure area is determined by dividing the CFM by the velocity
 $\frac{1000}{1000} = 1$ required square feet of free pressure area

The chart thus shows the following sizes to be suitable, 22 x 20, 24 x 20, 20 x 22, 18 x 24, etc.