



Door Louver  
دریچه‌های پادری

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Type : DL

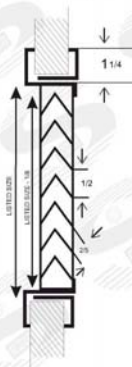






## RETURN & DOOR GRILLES

- Designed for maximum effectiveness and pleasing appearance .
- Provides a wide range of application for return air and door grille use where a sight-tight feature is desired .
- Sturdily constructed of V-bars .
- These grilles may be installed with a flanged frame on one side .
- Dimensional drawing of all types are shown in below .
- For selection data and additional information see next page .





## AIR CAPACITIES

A free area rating of a V-bar grille is of little use in determining capacity since it does not include consideration of the coefficients of entry and discharge, and the change in direction of the air flow caused by the shape of the blades. All of these factors decrease the capacity of any grille which uses a completely sight-proof type of louver. Under such conditions, static pressure differentials across the grille under specific air volume flow rates are the only realistic determination of relative capacity.

Grilles used as transfer units in doors and partitions should be sized at a pressure differential of .025". Grilles connected to ductwork can be sized at pressure differentials of .04"-.22" to return or exhaust air quietly.

SIZE	Anem. Area Sq.Ft.	ANEMOMETER VELOCITIES							
		200 FPM	300 FPM	400 FPM	500 FPM	600 FPM	700 FPM	800 FPM	900 FPM
12 x 6	.270	55	80	110	135	160	190	215	245
18 x 6	.440	90	130	175	220	265	310	350	395
24 x 6	.630	125	190	250	315	380	440	505	565
12 x 8	.373	75	110	150	185	225	260	300	335
18 x 8	.630	125	190	250	315	380	440	505	565
24 x 8	.870	175	260	350	435	520	610	695	785
12 x 10	.520	105	155	210	260	310	365	415	470
18 x 10	.820	165	245	330	410	490	575	655	740
24 x 10	1.120	225	335	450	560	670	785	895	1010
30 x 10	1.420	285	425	570	710	850	995	1135	1280
12 x 12	.630	125	190	250	315	380	440	505	565
18 x 12	.985	195	295	395	490	590	690	790	885
24 x 12	1.370	275	410	550	685	820	960	1095	1235
30 x 12	1.750	350	525	700	875	1050	1225	1400	1575
36 x 12	2.100	420	630	840	1050	1260	1470	1680	1890
18 x 16	1.370	275	410	550	685	820	960	1095	1235
24 x 16	1.860	370	560	745	930	1115	1300	1490	1675
30 x 16	2.340	470	700	935	1170	1405	1640	1870	2105
36 x 16	2.840	570	850	1135	1420	1705	1990	2270	2555
24 x 20	2.340	470	700	935	1170	1405	1640	1870	2105
30 x 20	2.950	590	885	1180	1475	1770	2065	2360	2655
36 x 20	3.570	715	1070	1430	1785	2140	2500	2855	3215
42 x 20	4.220	845	1265	1690	2110	2530	2955	3375	3800
48 x 20	4.830	965	1450	1930	2415	2900	3380	3865	4345
24 x 24	2.840	570	850	1135	1420	1705	1990	2270	2555
30 x 24	3.570	715	1070	1430	1785	2140	2500	2855	3215
36 x 24	4.320	865	1295	1730	2160	2590	3025	3455	3890
42 x 24	5.100	1020	1530	2040	2550	3060	3570	4080	4590
48 x 24	5.840	1170	1750	2335	2920	3505	4090	4670	5255
36 x 36	6.580	1315	1975	2630	3290	3950	4605	5265	5920
42 x 36	7.340	1470	2200	2935	3670	4405	5140	5870	6605
48 x 36	8.750	1750	2625	3500	4375	5250	6125	7000	7875
STATIC PRESS. DIFFERENTIAL ACROSS GRILLE IN INCHES W. G.		.025	.040	.072	.108	.159	.221	.283	.359