

| LOUVER FREE AREA - MODEL L - SQ. FT. | | | | | | | | | | | | |
|--------------------------------------|------|--------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | WIDTH - INCH | | | | | | | | | | |
| | | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| HEIGHT - INCH | 12 | 0.24 | 0.39 | 0.54 | 0.69 | 0.84 | 0.99 | 1.13 | 1.28 | 1.43 | 1.58 | 1.73 |
| | 16 | 0.38 | 0.61 | 0.84 | 1.06 | 1.29 | 1.52 | 1.75 | 1.98 | 2.21 | 2.44 | 2.67 |
| | 20 | 0.51 | 0.82 | 1.13 | 1.44 | 1.75 | 2.06 | 2.37 | 2.68 | 2.99 | 3.30 | 3.61 |
| | 24 | 0.64 | 1.03 | 1.42 | 1.81 | 2.21 | 2.60 | 2.99 | 3.38 | 3.77 | 4.16 | 4.55 |
| | 28 | 0.78 | 1.25 | 1.72 | 2.19 | 2.66 | 3.13 | 3.60 | 4.08 | 4.55 | 5.02 | 5.49 |
| | 32 | 0.91 | 1.46 | 2.01 | 2.56 | 3.12 | 3.67 | 4.22 | 4.77 | 5.33 | 5.88 | 6.43 |
| | 36 | 1.05 | 1.69 | 2.33 | 2.96 | 3.60 | 4.24 | 4.88 | 5.52 | 6.15 | 6.79 | 7.43 |
| | 40 | 1.20 | 1.93 | 2.66 | 3.39 | 4.12 | 4.85 | 5.58 | 6.30 | 7.03 | 7.76 | 8.49 |
| | 44 | 1.35 | 2.17 | 2.99 | 3.81 | 4.63 | 5.45 | 6.27 | 7.09 | 7.91 | 8.73 | 9.55 |
| | 48 | 1.50 | 2.41 | 3.32 | 4.23 | 5.15 | 6.06 | 6.97 | 7.88 | 8.79 | 9.70 | 10.61 |
| | 52 | 1.65 | 2.65 | 3.66 | 4.66 | 5.66 | 6.66 | 7.67 | 8.67 | 9.67 | 10.67 | 11.68 |
| | 56 | 1.80 | 2.89 | 3.99 | 5.08 | 6.18 | 7.27 | 8.36 | 9.46 | 10.55 | 11.64 | 12.74 |
| | 60 | 1.95 | 3.14 | 4.32 | 5.50 | 6.69 | 7.87 | 9.06 | 10.24 | 11.43 | 12.61 | 13.80 |
| | 64 | 2.10 | 3.38 | 4.65 | 5.93 | 7.20 | 8.48 | 9.76 | 11.03 | 12.31 | 13.58 | 14.86 |
| | 68 | 2.25 | 3.61 | 4.98 | 6.34 | 7.70 | 9.07 | 10.43 | 11.80 | 13.16 | 14.53 | 15.89 |
| | 72 | 2.38 | 3.82 | 5.27 | 6.71 | 8.16 | 9.61 | 11.05 | 12.50 | 13.94 | 15.39 | 16.83 |
| | 76 | 2.51 | 4.04 | 5.56 | 7.09 | 8.62 | 10.14 | 11.67 | 13.19 | 14.72 | 16.25 | 17.77 |
| | 80 | 2.64 | 4.25 | 5.86 | 7.46 | 9.07 | 10.68 | 12.29 | 13.89 | 15.50 | 17.11 | 18.71 |
| 84 | 2.78 | 4.46 | 6.15 | 7.84 | 9.53 | 11.21 | 12.90 | 14.59 | 16.28 | 17.96 | 19.65 | |
| 88 | 2.91 | 4.68 | 6.45 | 8.21 | 9.98 | 11.75 | 13.52 | 15.29 | 17.06 | 18.82 | 20.59 | |
| 92 | 3.04 | 4.89 | 6.74 | 8.59 | 10.44 | 12.29 | 14.14 | 15.99 | 17.83 | 19.68 | 21.53 | |
| 96 | 3.18 | 5.11 | 7.04 | 8.97 | 10.89 | 12.82 | 14.75 | 16.68 | 18.61 | 20.54 | 22.47 | |

SELECTION CRITERIA & PERFORMANCE CALCULATIONS:

REQUIRED FREE AREA, SQ. FT. = C.F.M. / DESIRED INTAKE AREA VELOCITY, F.P.M.

INTAKE AREA VELOCITY, F.P.M. = C.F.M. / LOUVER FREE AREA, SQ. FT.

| LOUVER FREE AREA - MODEL DL - SQ. FT. | | | | | | | | | | | | |
|---------------------------------------|------|--------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | WIDTH - INCH | | | | | | | | | | |
| | | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 |
| HEIGHT - INCH | 12 | 0.24 | 0.38 | 0.53 | 0.67 | 0.82 | 0.96 | 1.11 | 1.25 | 1.39 | 1.54 | 1.68 |
| | 16 | 0.37 | 0.59 | 0.81 | 1.03 | 1.25 | 1.47 | 1.69 | 1.92 | 2.14 | 2.36 | 2.58 |
| | 20 | 0.49 | 0.79 | 1.09 | 1.39 | 1.69 | 1.98 | 2.28 | 2.58 | 2.88 | 3.18 | 3.47 |
| | 24 | 0.62 | 0.99 | 1.37 | 1.74 | 2.12 | 2.49 | 2.87 | 3.24 | 3.62 | 3.99 | 4.37 |
| | 28 | 0.75 | 1.20 | 1.65 | 2.10 | 2.55 | 3.01 | 3.46 | 3.91 | 4.36 | 4.81 | 5.26 |
| | 32 | 0.87 | 1.40 | 1.93 | 2.46 | 2.99 | 3.52 | 4.05 | 4.57 | 5.10 | 5.63 | 6.16 |
| | 36 | 1.01 | 1.62 | 2.23 | 2.84 | 3.45 | 4.06 | 4.67 | 5.28 | 5.89 | 6.51 | 7.12 |
| | 40 | 1.15 | 1.85 | 2.55 | 3.25 | 3.94 | 4.64 | 5.34 | 6.04 | 6.74 | 7.43 | 8.13 |
| | 44 | 1.30 | 2.08 | 2.87 | 3.65 | 4.44 | 5.22 | 6.01 | 6.79 | 7.58 | 8.36 | 9.15 |
| | 48 | 1.44 | 2.31 | 3.19 | 4.06 | 4.93 | 5.80 | 6.68 | 7.55 | 8.42 | 9.29 | 10.17 |
| | 52 | 1.58 | 2.54 | 3.50 | 4.46 | 5.42 | 6.38 | 7.34 | 8.30 | 9.26 | 10.22 | 11.18 |
| | 56 | 1.73 | 2.78 | 3.82 | 4.87 | 5.92 | 6.96 | 8.01 | 9.06 | 10.10 | 11.15 | 12.20 |
| | 60 | 1.87 | 3.01 | 4.14 | 5.28 | 6.41 | 7.54 | 8.68 | 9.81 | 10.95 | 12.08 | 13.22 |
| | 64 | 2.02 | 3.24 | 4.46 | 5.68 | 6.90 | 8.12 | 9.35 | 10.57 | 11.79 | 13.01 | 14.23 |
| | 68 | 2.16 | 3.47 | 4.78 | 6.09 | 7.40 | 8.70 | 10.01 | 11.32 | 12.63 | 13.94 | 15.25 |
| | 72 | 2.29 | 3.68 | 5.06 | 6.45 | 7.84 | 9.22 | 10.61 | 12.00 | 13.38 | 14.77 | 16.16 |
| | 76 | 2.42 | 3.88 | 5.34 | 6.81 | 8.27 | 9.74 | 11.20 | 12.66 | 14.13 | 15.59 | 17.05 |
| | 80 | 2.54 | 4.08 | 5.62 | 7.17 | 8.71 | 10.25 | 11.79 | 13.33 | 14.87 | 16.41 | 17.95 |
| 84 | 2.67 | 4.29 | 5.91 | 7.52 | 9.14 | 10.76 | 12.37 | 13.99 | 15.61 | 17.23 | 18.84 | |
| 88 | 2.80 | 4.49 | 6.19 | 7.88 | 9.57 | 11.27 | 12.96 | 14.66 | 16.35 | 18.05 | 19.74 | |
| 92 | 2.92 | 4.70 | 6.47 | 8.24 | 10.01 | 11.78 | 13.55 | 15.32 | 17.09 | 18.86 | 20.63 | |
| 96 | 3.05 | 4.90 | 6.75 | 8.59 | 10.44 | 12.29 | 14.14 | 15.99 | 17.83 | 19.68 | 21.53 | |

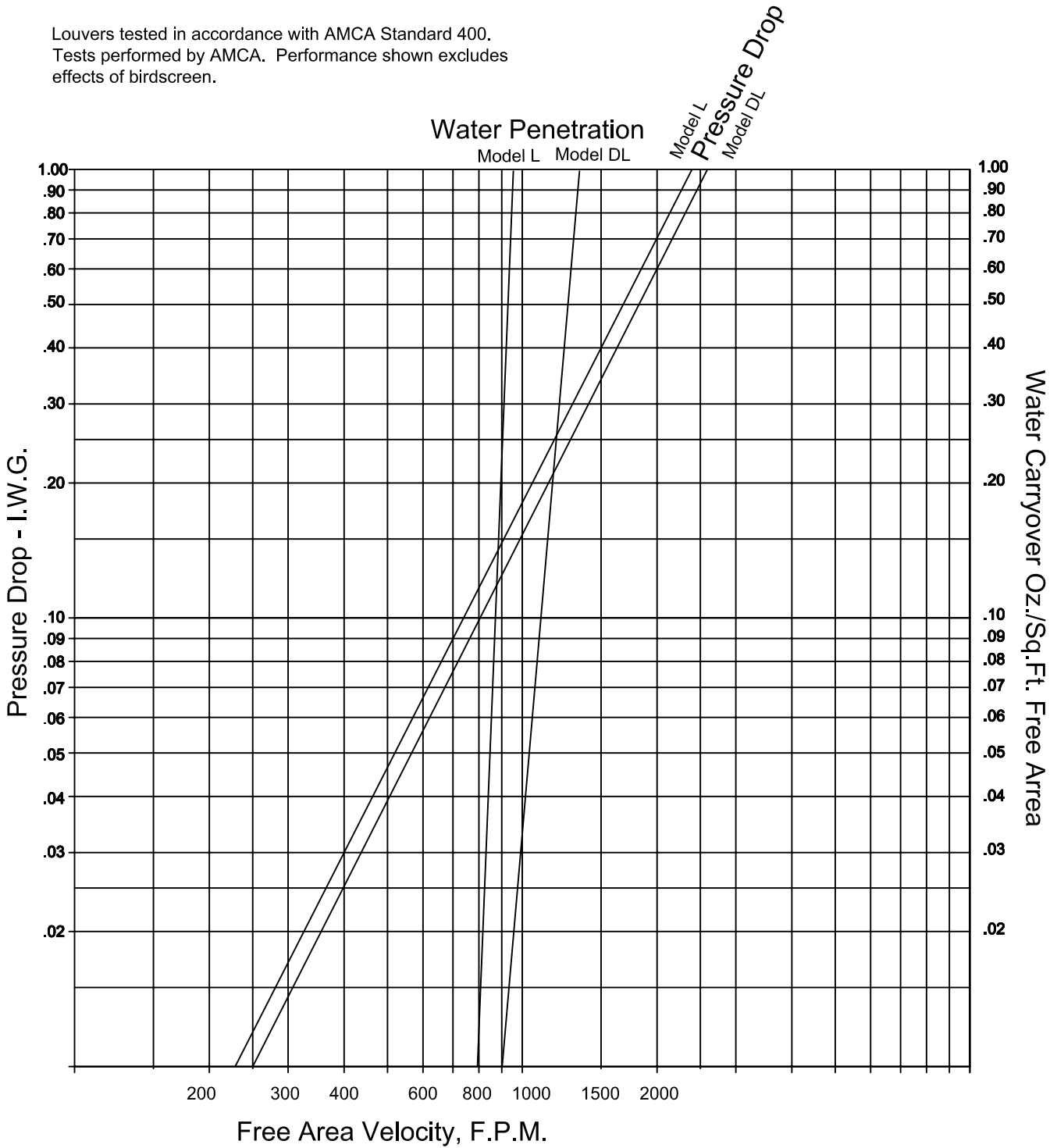


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LOUVER INTAKE AIR FLOW PRESSURE DROP & WATER PENETRATION

Louvers tested in accordance with AMCA Standard 400.
 Tests performed by AMCA. Performance shown excludes effects of birdscreen.



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