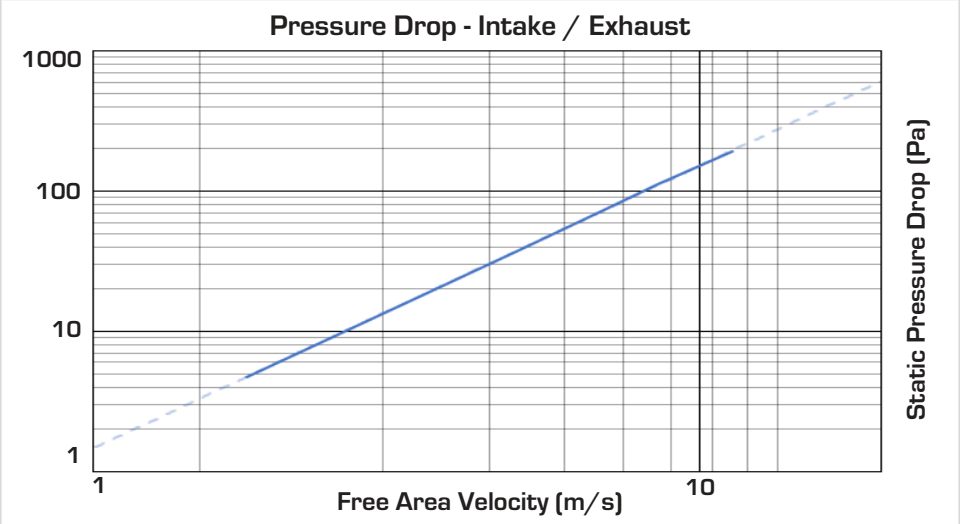
# PERFORMANCE DATA - Model XJ-D-24.44
## Acoustical Louver

### Pressure Drop Chart

Pressure drop varies depending on the louver size and airflow rate. Refer to the performance chart for detailed pressure drop values.




Tested in accordance with ANSI/AMCA 500-L, Figure 5.5.Performance data is based on a test specimen measuring 1220mm × 1220mm (48" × 48")

### Free Area Chart (sqm)

| mm | | Width | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 750 | 900 | 1050 | 1200 | 1350 | 1500 | 1650 | 1800 | 1950 | 2100 | 2250 | 2400 | 2550 | 2700 | 2850 | 3000 |
| Height | 750 | 0.09 | 0.11 | 0.12 | 0.14 | 0.16 | 0.18 | 0.20 | 0.22 | 0.24 | 0.26 | 0.27 | 0.29 | 0.31 | 0.33 | 0.35 | 0.37 |
| | 900 | 0.13 | 0.16 | 0.19 | 0.21 | 0.24 | 0.27 | 0.30 | 0.33 | 0.35 | 0.38 | 0.41 | 0.44 | 0.47 | 0.49 | 0.52 | 0.55 |
| | 1050 | 0.17 | 0.21 | 0.25 | 0.29 | 0.32 | 0.36 | 0.40 | 0.44 | 0.47 | 0.51 | 0.55 | 0.58 | 0.62 | 0.66 | 0.70 | 0.73 |
| | 1200 | 0.22 | 0.26 | 0.31 | 0.36 | 0.40 | 0.45 | 0.50 | 0.54 | 0.59 | 0.64 | 0.68 | 0.73 | 0.78 | 0.82 | 0.87 | 0.92 |
| | 1350 | 0.22 | 0.26 | 0.31 | 0.36 | 0.40 | 0.45 | 0.50 | 0.54 | 0.59 | 0.64 | 0.68 | 0.73 | 0.78 | 0.82 | 0.87 | 0.92 |
| | 1500 | 0.26 | 0.32 | 0.37 | 0.43 | 0.49 | 0.54 | 0.60 | 0.65 | 0.71 | 0.77 | 0.82 | 0.88 | 0.93 | 0.99 | 1.05 | 1.10 |
| | 1650 | 0.30 | 0.37 | 0.44 | 0.50 | 0.57 | 0.63 | 0.70 | 0.76 | 0.83 | 0.89 | 0.96 | 1.02 | 1.09 | 1.15 | 1.22 | 1.29 |
| | 1800 | 0.35 | 0.42 | 0.50 | 0.57 | 0.65 | 0.72 | 0.80 | 0.87 | 0.95 | 1.02 | 1.10 | 1.17 | 1.24 | 1.32 | 1.39 | 1.47 |
| | 1950 | 0.35 | 0.42 | 0.50 | 0.57 | 0.65 | 0.72 | 0.80 | 0.87 | 0.95 | 1.02 | 1.10 | 1.17 | 1.24 | 1.32 | 1.39 | 1.47 |
| | 2100 | 0.39 | 0.48 | 0.56 | 0.64 | 0.73 | 0.81 | 0.90 | 0.98 | 1.06 | 1.15 | 1.23 | 1.32 | 1.40 | 1.48 | 1.57 | 1.65 |
| | 2250 | 0.44 | 0.53 | 0.62 | 0.72 | 0.81 | 0.90 | 1.00 | 1.09 | 1.18 | 1.28 | 1.37 | 1.46 | 1.56 | 1.65 | 1.74 | 1.84 |
| | 2400 | 0.48 | 0.58 | 0.68 | 0.79 | 0.89 | 0.99 | 1.10 | 1.20 | 1.30 | 1.40 | 1.51 | 1.61 | 1.71 | 1.81 | 1.92 | 2.02 |
| | 2550 | 0.48 | 0.58 | 0.68 | 0.79 | 0.89 | 0.99 | 1.10 | 1.20 | 1.30 | 1.40 | 1.51 | 1.61 | 1.71 | 1.81 | 1.92 | 2.02 |
| | 2700 | 0.52 | 0.63 | 0.75 | 0.86 | 0.97 | 1.08 | 1.19 | 1.31 | 1.42 | 1.53 | 1.64 | 1.75 | 1.87 | 1.98 | 2.09 | 2.20 |
| | 2850 | 0.57 | 0.69 | 0.81 | 0.93 | 1.05 | 1.17 | 1.29 | 1.42 | 1.54 | 1.66 | 1.78 | 1.90 | 2.02 | 2.14 | 2.27 | 2.39 |
| | 3000 | 0.61 | 0.74 | 0.87 | 1.00 | 1.13 | 1.26 | 1.39 | 1.52 | 1.66 | 1.79 | 1.92 | 2.05 | 2.18 | 2.31 | 2.44 | 2.57 |

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Central Ventilation Systems certifies that the Acoustical Louver Model XJ-D-24.44 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.
The AMCA Certified Ratings Seal applies to sound and air performance ratings only.

NVLAP® TESTING
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**Size Recommendation:**
Louver dimensions are based on the wall opening size.
**Single-section louver:** Overall louver size shall be 3mm undersized relative to the wall opening.
**Multi-section louver:** Overall louver size shall be 6mm undersized relative to the wall opening.

**Suggested Specification:**
Furnish and install acoustical louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall have 45° stationary "J" blades within an 24" (600mm) deep frame. Components shall be factory assembled. Oversized units shall be supplied in factory-assembled sections for field assembly by the installing contractor to achieve the required overall dimensions.
Acoustical louvers shall be model CVS XJ-D-24.44, Galvanized Iron construction as follows:
**FRAME:** 24" (600mm) deep, 18 ga (1.2mm) nominal wall thickness.
**BLADE:** Stationary "J" blades, 45° angle, 18 ga (1.2mm) nominal wall thickness.
**FINISH:** Select finish specification from CVS Finishes brochure.

| 24" J Blade Acoustical Louver Model XJ-D-24.44 | Cat Id: XJ-D-24.44 | Rev.No: 00 | Date: July 2026 | Page: 1/1 |
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1. As part of our continuous improvement program, we reserve the right to make further improvements without notice.

Submittal