

## PROJECT SOLUTIONS

### New wind tunnel test facility achieves NC-65 for complete aircraft de-icing system.

**PROBLEM:**

Without any noise control in place, the overall de-icing test system produced 110 dBA. The acoustical consultant recommended noise levels be reduced to NC-65.

**SOLUTION:**

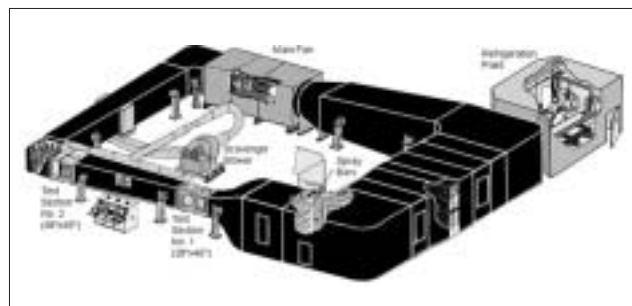
The 200 horsepower vane axial fan necessitated Vibro-Acoustics supply inlet and discharge axial cone (AC-I and AC-D) silencers incorporated into a fan enclosure. The system came complete with a large base and vibration isolation. The silencing system was also designed to withstand the 30 in.w.g. pressure produced by the system.

**PROBLEM:**

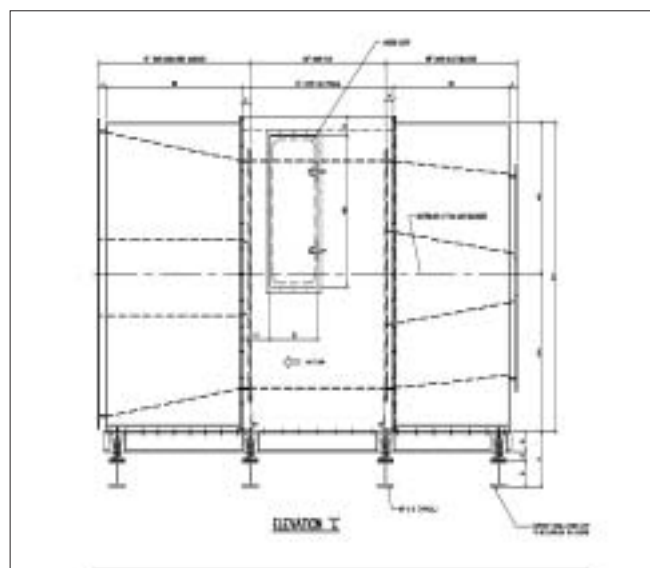
Delivery needed to meet a crane scheduled to hoist system in place before a holiday shut down.

**SOLUTION:**

Vibro-Acoustics project managed the design, approval, manufacture and delivery, to ensure the noise control products and support systems met the tight project schedule. During the production cycle, the customer's project engineering team made a quality inspection visit to the Vibro-Acoustics facility.



Vibro-Acoustics supplied the total noise control system for the aircraft de-icing test facility.



Complete package included a 10ga. Galv. continuously welded Cone Silencer System with removable panels, Structural Base, and Isolation.

[Total Weight: over 11,000lbs (not including fan)]