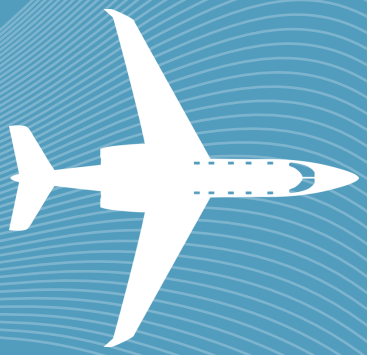
SKANDIA

Making Aircraft Quieter, Safer and More Comfortable

Skandia Soundproofing Solutions



Data Dictates Design

By combining engineering analysis with the most effective material available, Skandia delivers significant, qualified soundproofing results.

800/945-7135 • 815-393-4600 • Info@SkandiaInc.com

Aircraft Soundproofing Solutions

A Quiet Aircraft Means a Quiet Journey

The fastest way to judge the quality of an interior completion is by how quiet it is. For over 30 years, Skandia has been listening to what our customers want and then creating acoustics solutions that keep noise and vibration to a whisper. In fact, our sound-proofing solutions are the talk of the aviation industry. You just can't hear it.

Data Dictates Design

In soundproofing engineering, Skandia combines the latest technological advancements and innovations to reduce weight and maximize performance.

Utilizing state-of-the-art equipment, Skandia engineers perform sound frequency tests in order to establish an aircraft's unique acoustical signature while at cruise speed and altitude.

Customized Soundproofing Solutions

Everything you need customized in a single package
In-flight acoustical analysis of your cabin's sound levels to customize the best solution

The solutions starts with the finest materials

- Radiant panel certified thermal & acoustic materials
- Comprehensive selection of aircraft thermal/acoustic materials including insulation strip blankets, overframe blankets and carpet padding
- All Skandia soundproofing solutions meet the radiant panel flammability test for part 25 aircraft, 14 CFR 25.856(a)
- Complete soundproofing systems for more than 80 different aircraft

From a team you can trust

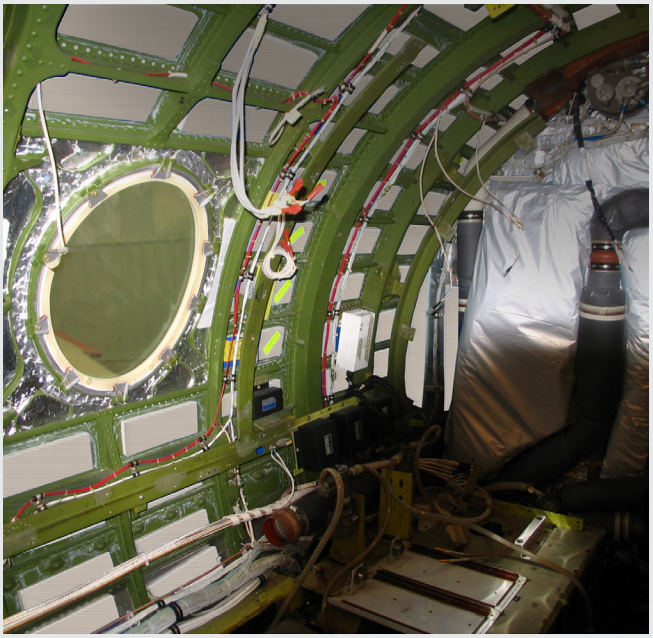
All divisions are supported by an in-house team of DERs and DARs that efficiently respond to our diverse customer base including major OEMs, completion and modification centers, as well as private aircraft owners and upholstery shops.

Don't take our word for it. Our final step in customizing a soundproofing package is to quantify the results with a second sound frequency analysis. The following graphs demonstrate quantified success generating major sound reduction results while adhering to cost, weight and other aircraft-specific parameters and considerations.

Silence starts with Skandia

Take advantage of Skandia's engineered approach and applications experience to meet your noise reduction and comfort goals.

Aircraft Soundproofing Solutions

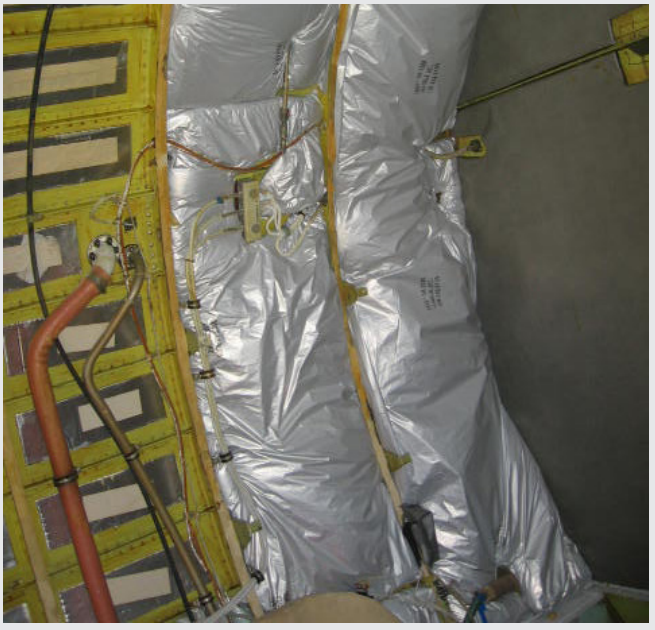


dB(A)

The dB(A) rating scale measures the overall perception of loudness across the entire audible frequency range. This scale is weighted to diminish the value of lower frequencies and therefore, follows closely the frequency response of the human ear to sound.

dB(SIL)

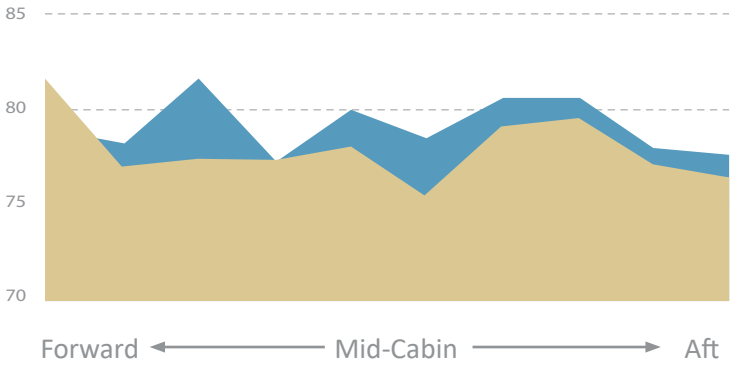
The dB(SIL) rating scale measures the difficulty of hearing speech, averaging the 1000, 2000 and 4000 Hertz frequencies. This scale is indicative of the sound levels that are perceived as most annoying to the human ear.



A 3 - 5 dB(SIL) reduction is equivalent to a 50% perceived reduction.

Beechcraft

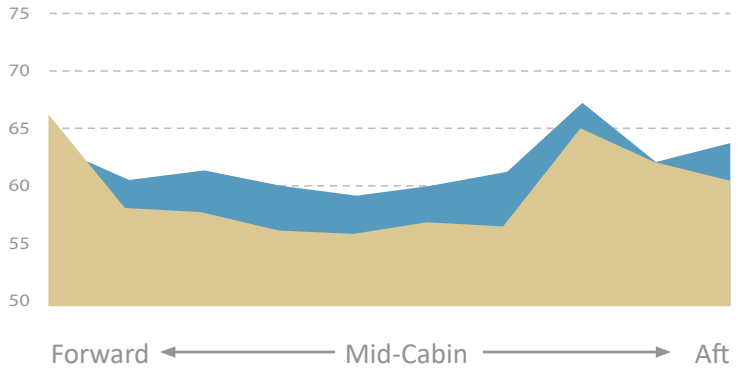
KING AIR 200-300 MODELS



dB(A) Reduction: 1.4

Original

Skandia System



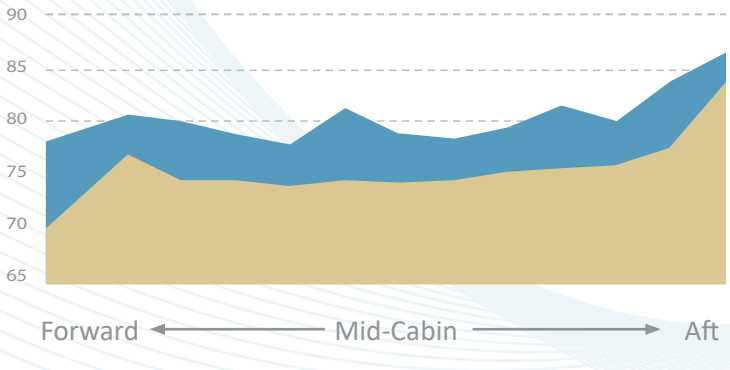
dB(SIL) Reduction: 2.4

Original

Skandia System

Bombardier

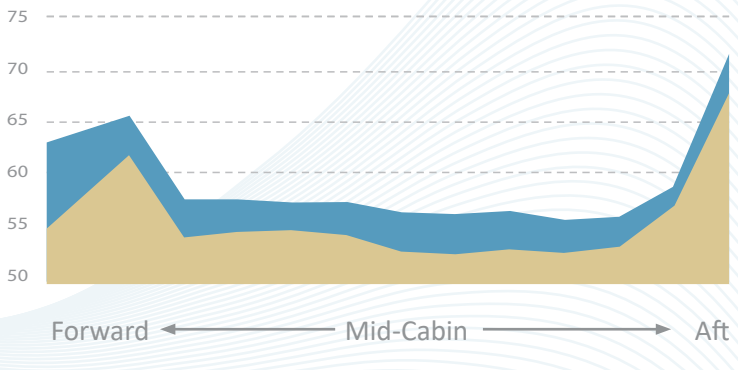
CHALLENGER 600 SERIES



dB(A) Reduction: 4.9

Original

Skandia System



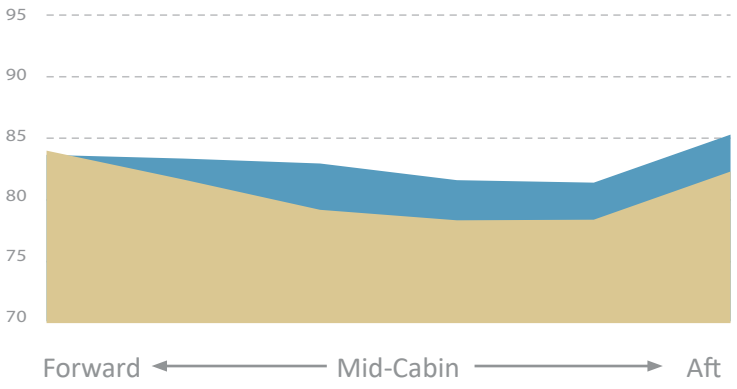
dB(SIL) Reduction: 3.1

Original

Skandia System

Bombardier

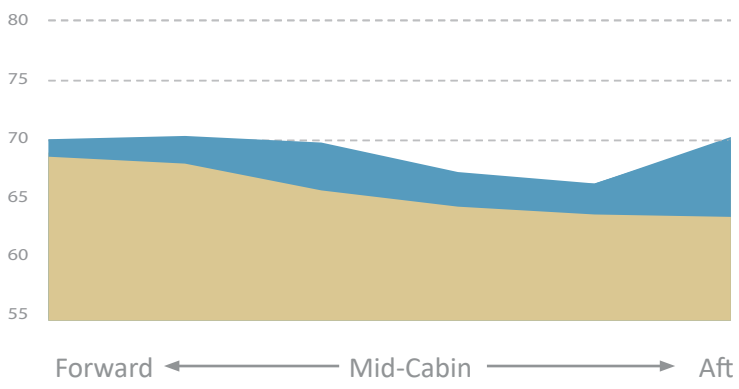
LEAR 35



dB(A) Reduction: 2.4

Original

Skandia System

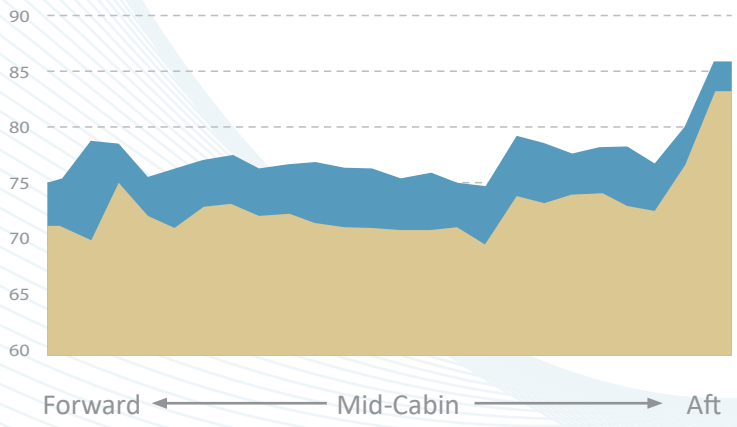


dB(SIL) Reduction: 3.3

Original

Skandia System

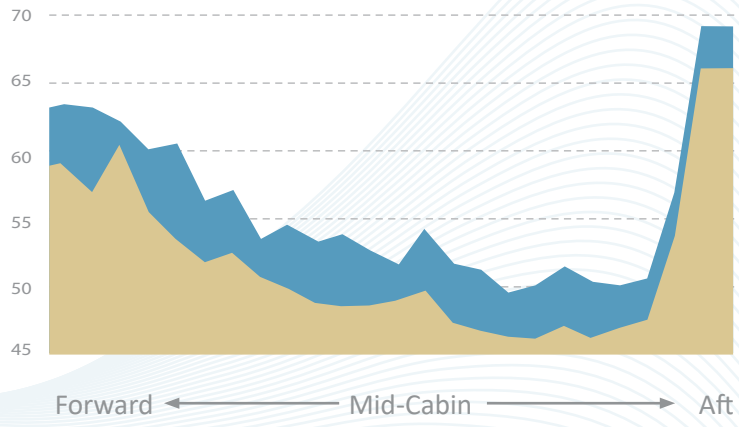
GLOBAL SERIES



dB(A) Reduction: 5.0

Original

Skandia System



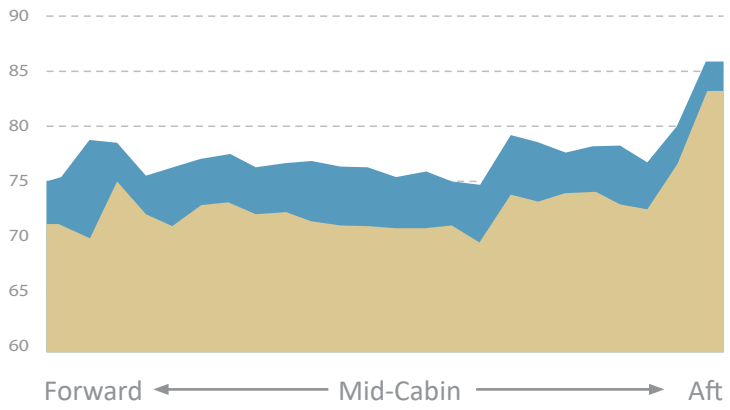
dB(SIL) Reduction: 3.5

Original

Skandia System

Cessna

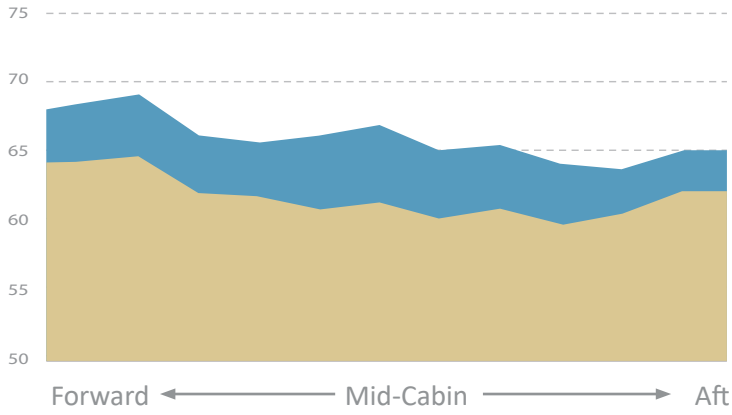
CITATION 650



dB(A) Reduction: **2.5**

Original

Skandia System



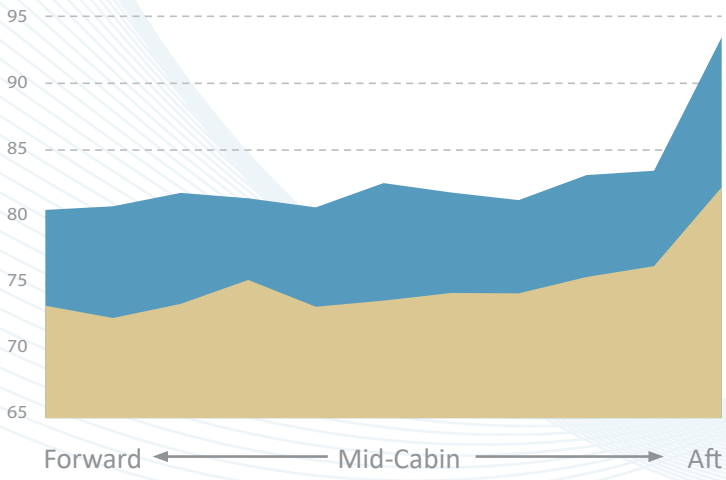
dB(SIL) Reduction: **4.3**

Original

Skandia System

Dassault

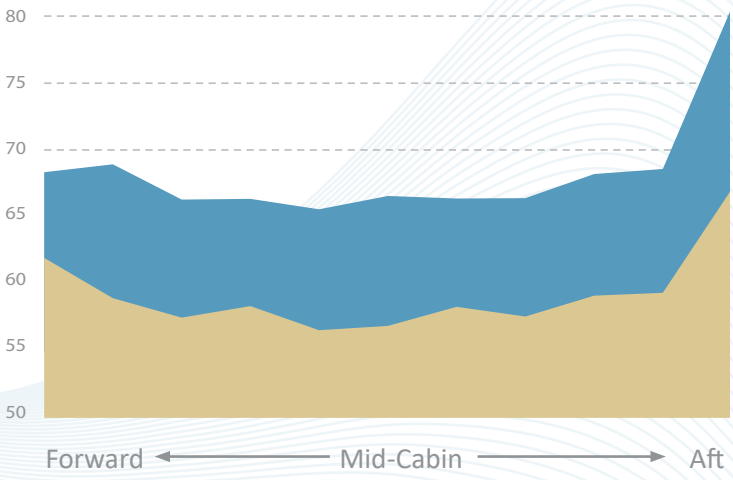
FALCON 20



dB(A) Reduction: **7.5**

Original

Skandia System



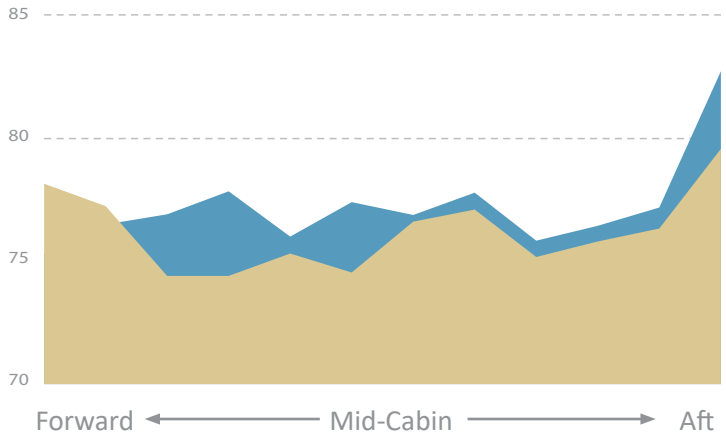
dB(SIL) Reduction: **9.0**

Original

Skandia System

Dassault

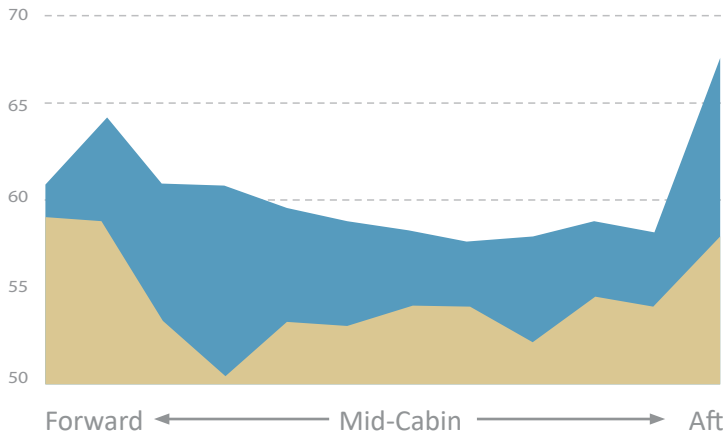
FALCON 50



dB(A) Reduction: 4.8

Original

Skandia System

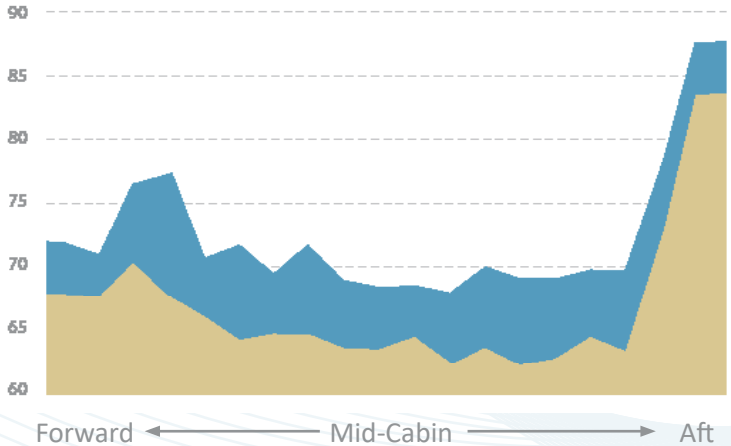


dB(SIL) Reduction: 4.8

Original

Skandia System

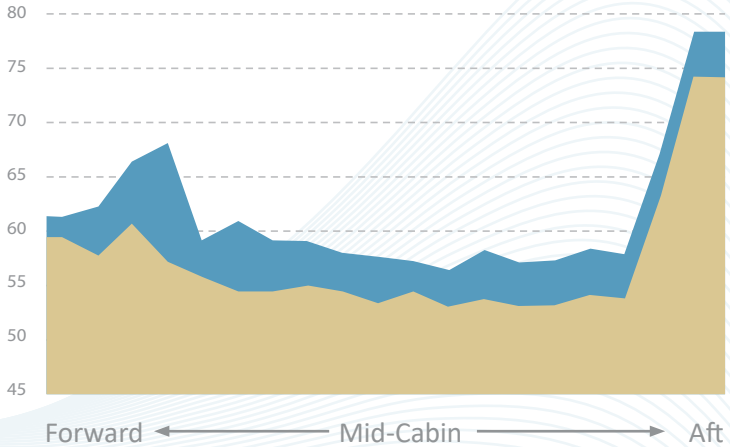
FALCON 900 SERIES



dB(A) Reduction: 5.7

Original

Skandia System



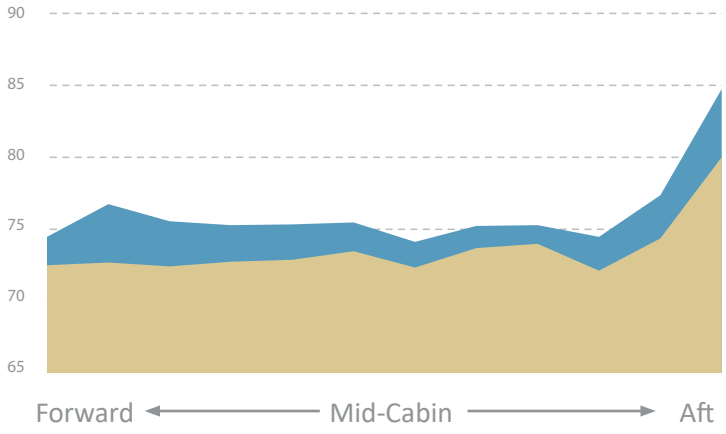
dB(SIL) Reduction: 4.4

Original

Skandia System

Dassault

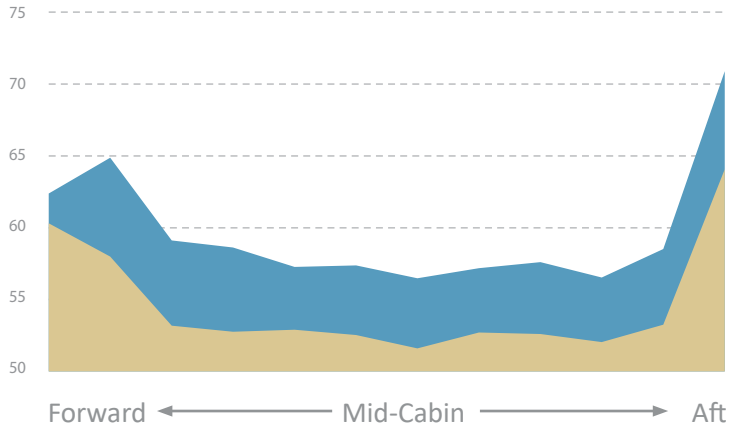
FALCON 2000



dB(A) Reduction: **2.1**

Original

Skandia System



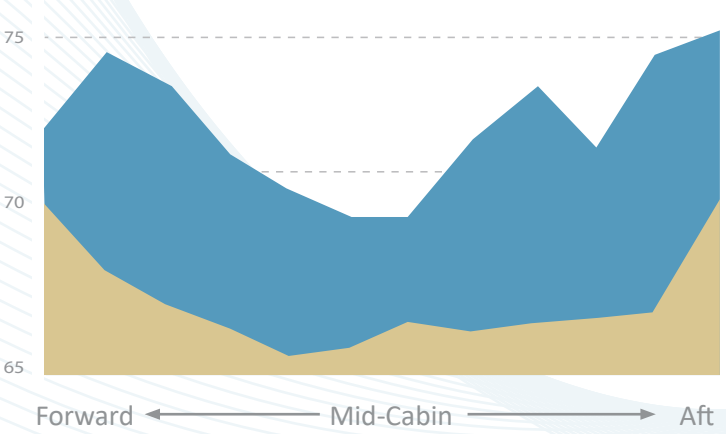
dB(SIL) Reduction: **5.0**

Original

Skandia System

Gulfstream

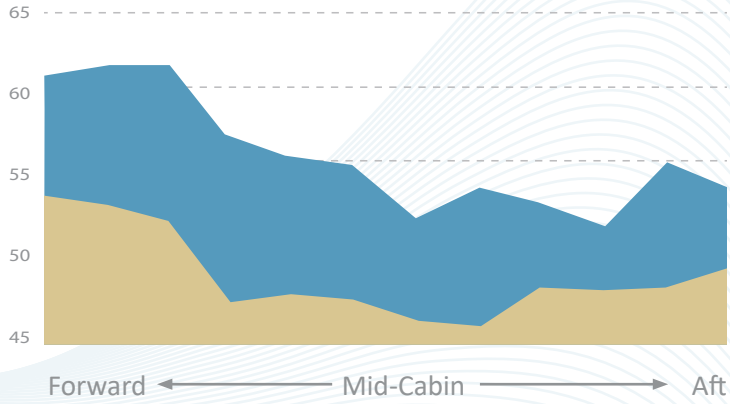
GIV



dB(A) Reduction: **5.0**

Original

Skandia System



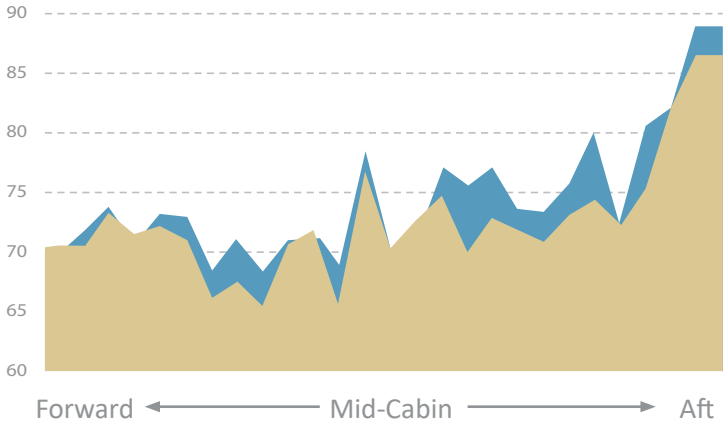
dB(SIL) Reduction: **8.7**

Original

Skandia System

Gulfstream

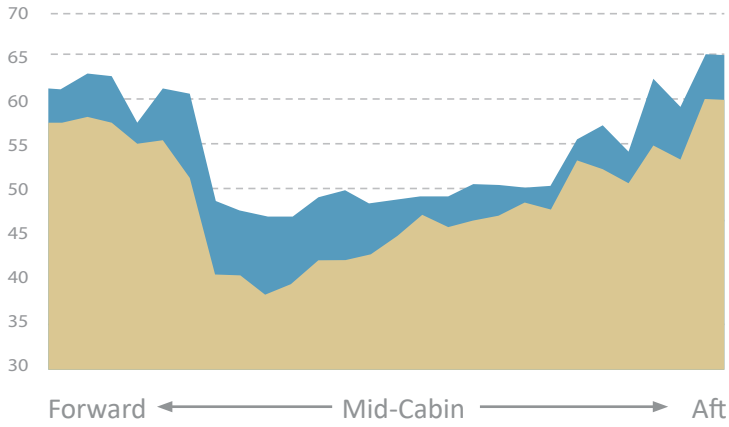
GULFSTREAM G550



dB(A) Reduction: **2.1**

Original

Skandia System



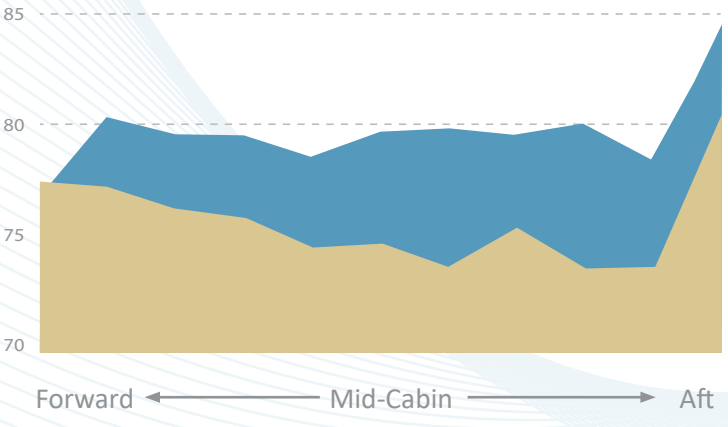
dB(SIL) Reduction: **4.3**

Original

Skandia System

Hawker

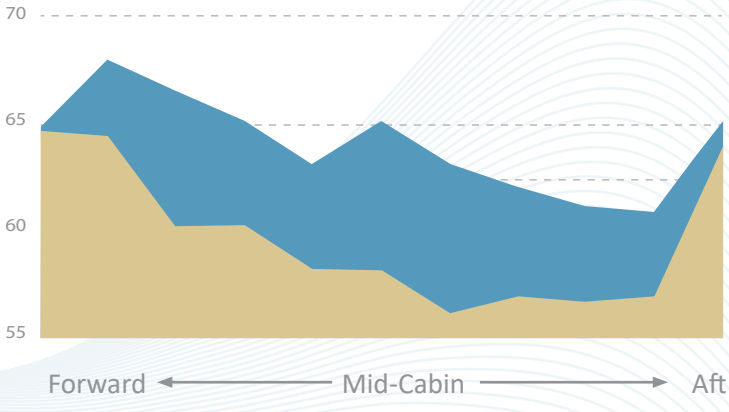
HAWKER 800



dB(A) Reduction: **4.8**

Original

Skandia System



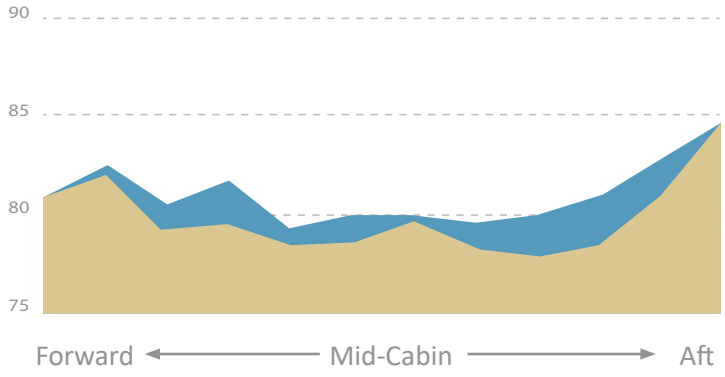
dB(SIL) Reduction: **5.5**

Original

Skandia System

Hawker

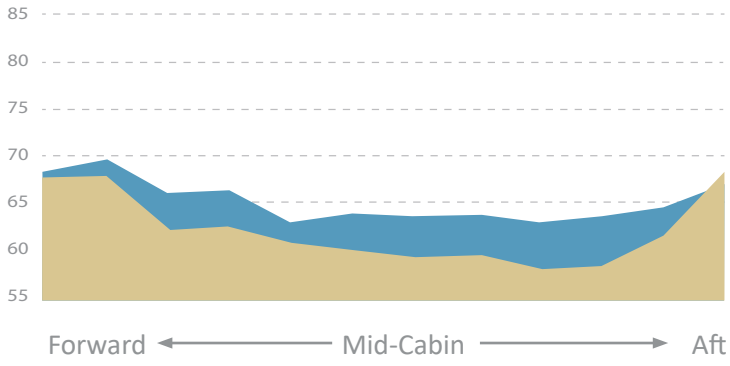
HAWKER 1000



dB(A) Reduction: 1.3

Original

Skandia System



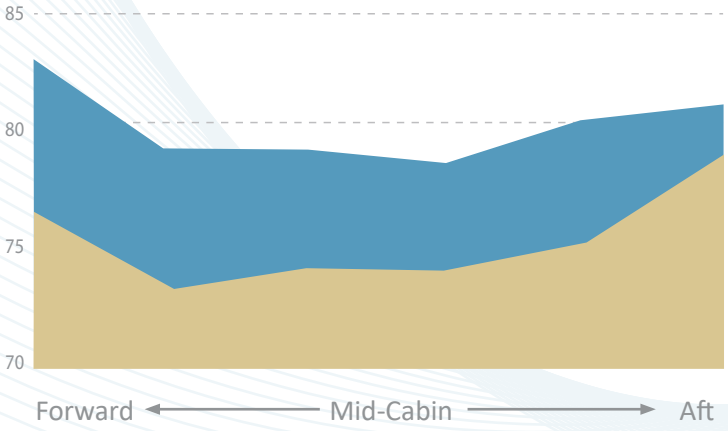
dB(SIL) Reduction: 2.8

Original

Skandia System

Israeli Aircraft

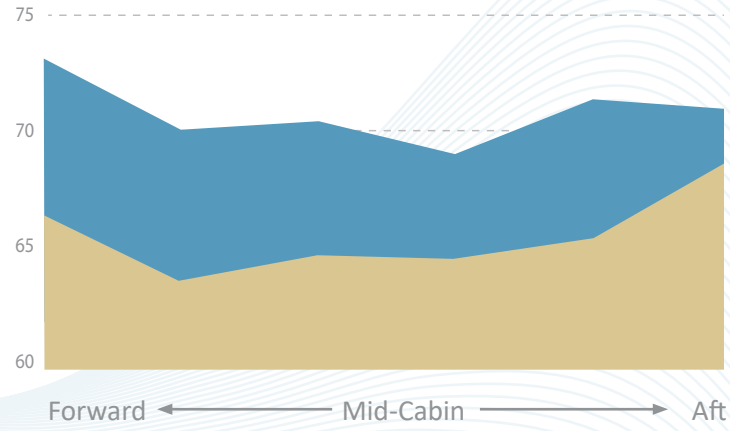
WESTWIND 1124



dB(A) Reduction: 4.5

Original

Skandia System



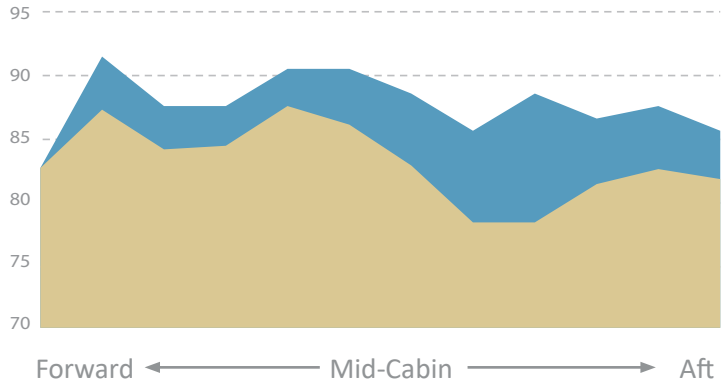
dB(SIL) Reduction: 5.1

Original

Skandia System

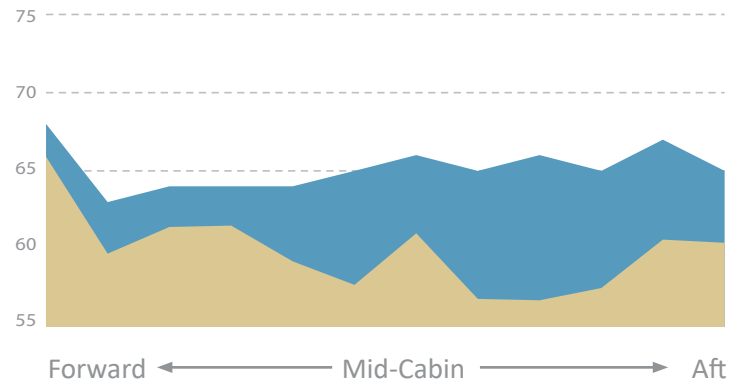
Mitsubishi

MU-2 LONG



dB(A) Reduction: 4.6

Original
Skandia System

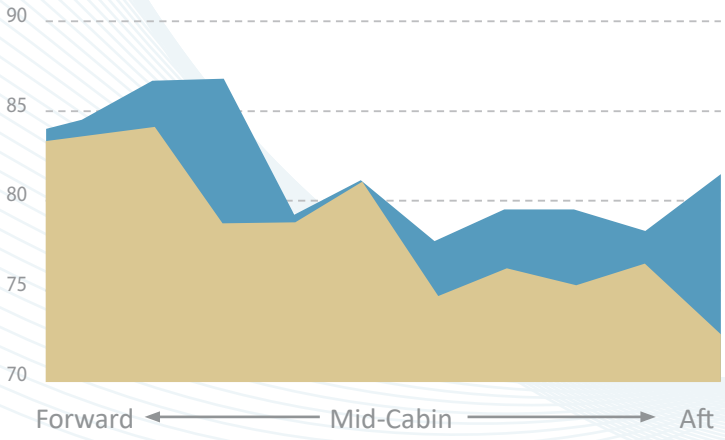


dB(SIL) Reduction: 5.5

Original
Skandia System

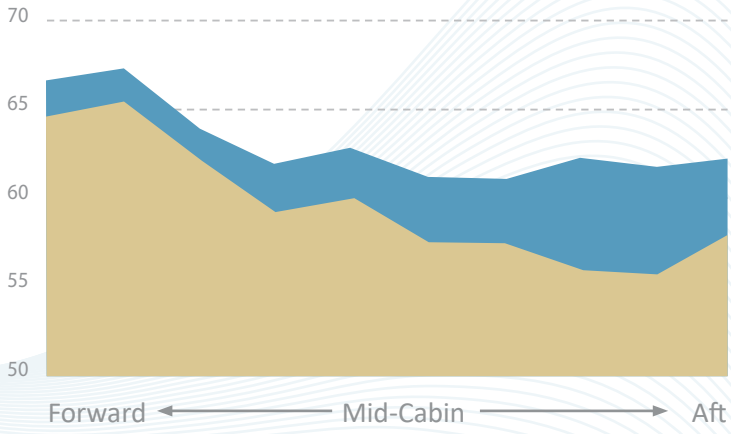
Pilatus

PILATUS PC-12



dB(A) Reduction: 2.6

Original
Skandia System



dB(SIL) Reduction: 3.3

Original
Skandia System