



2023 NBAA-BACE - Booth N5213
Green Pledge Exhibitor

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PRESS RELEASE

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ALTO Aviation unveils a new product line of side-firing subwoofers for business aircraft.

ALTO Aviation, a leading aerospace supplier of certified cabin audio systems and cabin control equipment for Business Aircraft, has expanded the company's components portfolio by introducing at the 2023 NBAA-BACE Business Aviation Convention Exhibition in Las Vegas, NV a new line of subwoofers designed explicitly for medium-sized, large, and VVIP Business aircraft.

Currently available in two sizes, ASW-724 and ASW-524, the new line of subwoofers feature side-firing technology; this technology combines two types of radiated energy into one single discreet exit, fusing the acoustic front wave from the loudspeaker with the resonant back wave into a common high-velocity chamber; this allows the subwoofer to couple extended bass response directly into the listening room, avoiding putting bass energy into the cabinets or furniture that could result in inefficiencies and cabinet vibration.

ALTO side-firing subwoofers are suitable for all configurations of ALTO cabin audio systems, both for OEMs and aftermarket installations, designed for locations where a grille in front of a traditionally configured subwoofer could be obstructive.

ALTO has kept in mind ease of installation and uncompromised bass performance as a priority, so the components can be hidden, with low-impact, highly efficient coupling to the cabin, maximizing sound quality while minimizing distortion, providing outstanding output, efficiency, and sensitivity. The result is an increase in the bass and superior reproduction of the lower notes, lower bass roll-off, and low frequencies.

The enclosure combines the subwoofers' direct radiating energy with the bass-reflex port energy into a single minimal aperture on a narrow side of the enclosure, minimizing the cross-sectional

area needed to allow efficient transmission of energy from the subwoofer to the cabin listening space. The subwoofers can be mounted in monuments, under divans or beds, and many other hidden locations with only a discreet 1-inch slot, significantly improving the acoustic performance of the installation.

"We are thrilled to introduce our new line of fire-siding subwoofers at NBAA-BACE in Las Vegas. Like every product and solution in our portfolio, this new offering is the result of actively listening to our customers to develop products and solutions that become industry references. Teaming up with our OEM customers and authorized installers to ease installation, engineering with purpose, and with sustainability in mind is a commitment that we all embrace on the ALTO team. The performance of these woofers is truly unrivaled, and we know that this new line in our portfolio will make a remarkable difference in the listening experience," says Steve Scarlata, VP of Engineering and R&D at ALTO Aviation.

ALTO Aviation exhibits the new side-firing subwoofers at booth # N5213, also offering personalized demonstrations of ALTO MySound™, exclusive seat-centric audio technology, and a full display of the Cadence™ Cabin Management System for all business aircraft.

About ALTO Aviation

ALTO Aviation is an aerospace industry leading supplier of premium cabin audio systems and cabin management solutions with 25 years of experience in Business Aviation. Our team designs, manufactures, and distributes premium customized cabin audio systems and Cabin Management for all aircraft types in Business Aviation. Our solutions include ALTO Sound™ Digital Surround Sound, ALTO Soundstage™ Immersive 3D audio, VIP seat optimization, PA/Chime Systems, Bluetooth® audio, Cadence™ Cabin Management System, Cadence™ direct replacement Passenger Controls, and ALTO cabin control app. All our products are FAA TSO-C139 approved and are sold to most major OEMs and successfully installed by leading MRO companies worldwide. ALTO cabin systems engineers tune each cabin onsite for maximum optimization of each installation. Over 6,000 business jets fly with ALTO Aviation components. ALTO also manufactures precision sheet metal and machined parts for aerospace and multiple high-standard industries. For more information, please visit www.altoaviation.com or contact Cristina Scarlata at cscarlata@altoaviation.com

