



LEADING BY DESIGN

LSS1320

Loudspeaker System



IMAGE SOURCE: COMMONS.WIKIMEDIA.ORG/WIKI/FILE:LACO-S70-N160LA-040501-01.JPG

Designed and qualified to meet the operational roles of both current and future medium, super medium, and large helicopters.

Delivering fantastic sound quality and power output in a lighter, smaller, and less expensive package.

AEM's LSS1320 loudspeaker system delivers fantastic sound quality and power output in a smaller, less expensive package than comparable systems on the market today. We designed and qualified the LSS1320 system to meet the operational roles of both current and future medium, super medium, and heavy helicopters including the AW139, AW189, EC175, S-92, EC225, and UH-60.

LSC22 Series Loudspeaker Controllers

The LSC22 series is the latest controller for AEM's loudspeaker systems; it delivers the features and performance demanded by today's special-role aircraft operators. Eliminate cockpit noise by utilizing the front-mount auxiliary input to transmit recorded messages from an MP3 player or smartphone—no more interference from live-mic broadcasting! The convenient onboard digital storage means fast recording and playback of your messages, and a supplied radio input allows for radio rebroadcast operation. Configurable siren audio and an integrated 25W cabin PA amplifier round out the features of the LSC22. The LSC22 Series Controllers are available with optional NVG lighting.

LSA800 Series Power Amplifiers

Our latest high-power loudspeaker amplifier incorporates new-generation parts and automated electronic assembly, allowing for a reasonable price point that translates into reduced costs to the end-user. Compared to its predecessor, this lighter-weight amplifier processes and optimizes the audio signal to deliver the best output while consuming less DC power. AEM's incorporation of a 'smart power supply' modifies the amplifier output to meet the output load demand. Our high-end 'Class D' product is DO-160G and DO-214 qualified and is certified on several aircraft types.

LS300 and LS600 Series Speakers

AEM's LS300 and LS600 loudspeakers provide optimal conversion of electrical power (watts) to sound pressure (SPL) due to the use of powerful speaker drivers and a new, robust mechanical design. The new speakers provide amplified sound power output from a smaller mechanical footprint and are DO-160G qualified. A certified speaker mounting bracket is available to simplify the mechanical installation effort*.

*Meeker Aviation worked with AEM to adapt their speaker brackets (Meeker Part #AFM-SB-1-1C for the LS300-200 and #AFM-SB-1-1A for the LS600-200 speaker), enabling attachment to several 'payload mounts' which Meeker has certified on various airframes.

LSS1320 System Features

- Front-mount auxiliary input allows message transmission from an MP3 player or smartphone
- Convenient onboard digital storage for fast recording and playback
- Processes and optimizes the audio signal for the best audio output
- 1320W+ of effective peak audio output power
- DO-160G and DO-214 qualified
- Optional NVIS-compatible lighting
- Optional MIL-STD Speaker Connectors



LS600-200

LSC22 MECHANICAL SPECS	
HEIGHT	1.11"
WIDTH	5.74"
LENGTH	6.32"
WEIGHT	1.30 LB.

LSA800 MECHANICAL SPECS	
HEIGHT	5.51"
WIDTH	3.74"
LENGTH	9.86"
WEIGHT	6.30 LB. (MAX)

LS300 MECHANICAL SPECS	
HEIGHT	10.30"
WIDTH	6.60"
LENGTH	12.80"
WEIGHT	15.00 LB.

LS600 MECHANICAL SPECS	
HEIGHT	10.30"
WIDTH	13.20"
LENGTH	12.80"
WEIGHT	28.00 LB. (EACH)

For more details, please email newproducts@aem-corp.com and see Installation & Operation manuals on our website: aem-corp.com

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