

L-MS-01

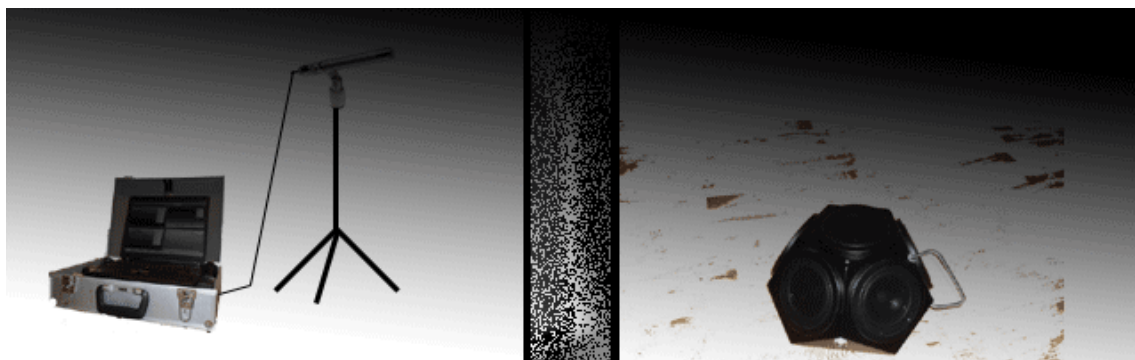
THE ACTIVE HEMI-DODECAHEDRON LOUDSPEAKER FOR BUILDING ACOUSTICS MEASUREMENTS

A high-performance loudspeaker for various types of acoustics measurements, including:

- Sound insulation (ISO 140-4 see Annex A, ASTM E-90 and E-336)
- Reverberation time (ISO 354, ISO 3382)



- Complies with ISO 140 and ISO 3382 directivity requirements
- Covers the building acoustics frequency range with centre frequencies from 50 Hz to 5 kHz
- Integrated 500 watts high-end power amplifier utilizing state-of-the-art digital pulse modulated technology
- Operates directly from 230 VAC mains (115 VAC 60 Hz on request)
- No need for external amplifier
- Six high-quality 150 mm (6 ") woofers
- Balanced XLR-type or single-ended BNC-type line-level input
- Heat-protection and soft-clip circuitry protects the unit from overload
- Weight approx. 12 kg.
- Rough carrying handle that does not interfere with the acoustic radiation pattern
- In conjunction with e.g. WinMLS and a quality microphone, this represents a complete system for a wide range of acoustical measurement tasks.

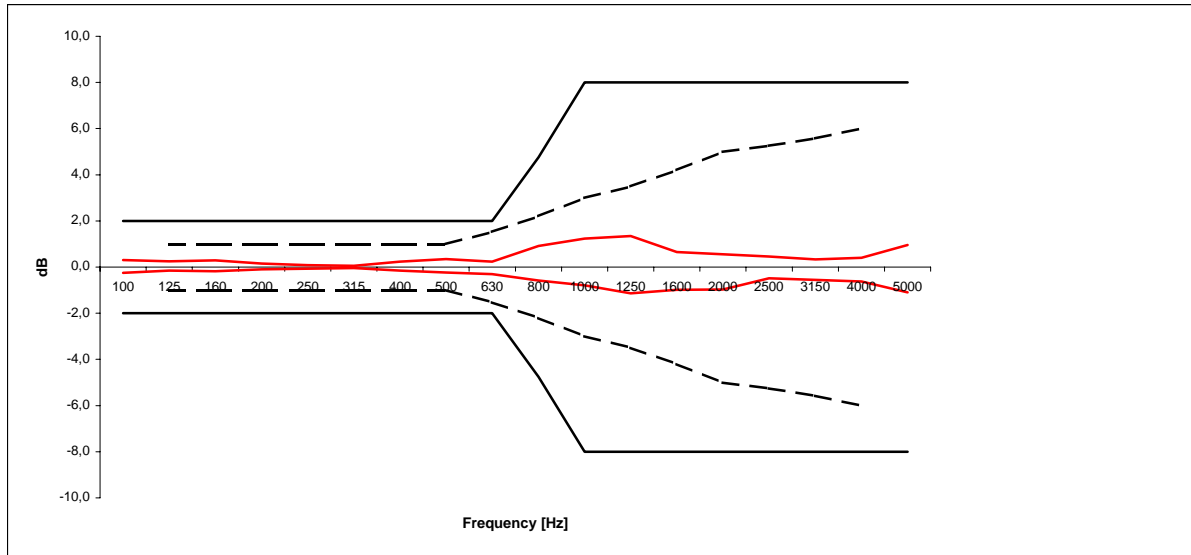


For more information contact:
Simon Carlsen, Lambda Akustikk
email: simonc@lambda-akustikk.no

PERFORMANCE PARAMETERS

DIRECTIVITY

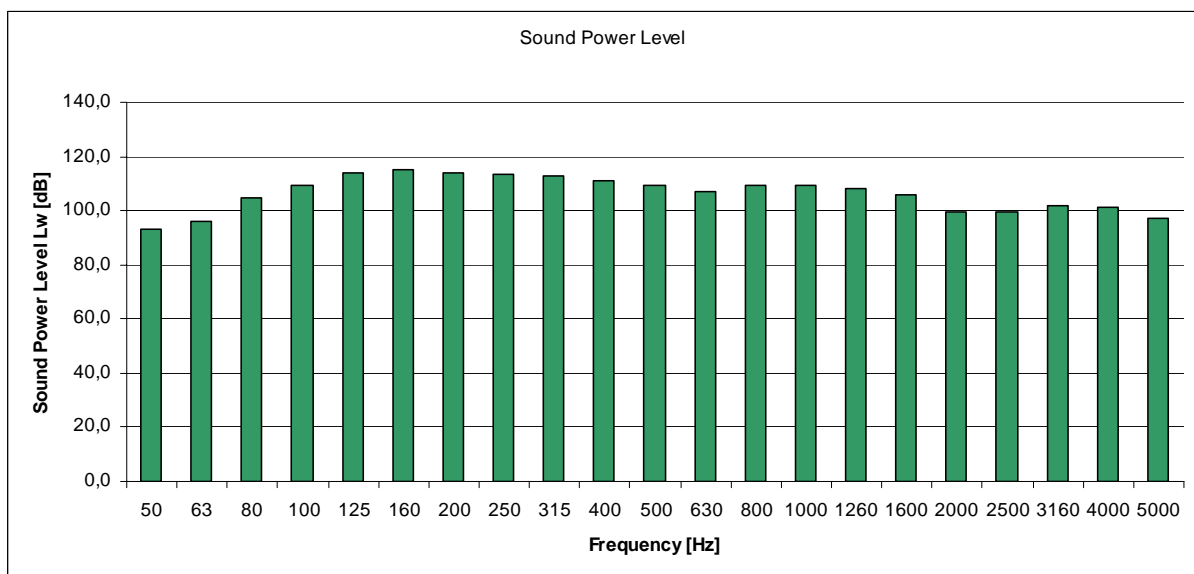
The L-MS-01 meets the directivity requirements of the international standards ISO 140 and ISO 3382 as shown in the figure below



Directivity pattern. Measured according to ISO 140 and ISO 3382. Red curves: Measured deviation from omni-directional radiation. Solid lines: ISO 140 limits. Dashed lines: ISO 3382 limits

SOUND POWER LEVEL

The L-MS-01 is capable of delivering a sound power level of **123 dB rel 1 pW** during a normal operating cycle. See figure below for power response in one-third octave bands



Sound power level. Measured in test chamber with hard reflecting floor and absorbing walls and ceiling. The loudspeaker was driven with pink noise