



MAIN FEATURES

- RANGE >55 m
- CONSTANT FREQUENCY RESPONSE AT ANY VOLUME LEVEL
- HIGH SPL APPLICATIONS
- BEST COMPONENTS ON THE MARKET TODAY
- LOW DISTORTION WITH HIGH INTELLIGIBILITY
- ARRANGED FOR HANGING IN ARRAY

DESCRIPTION

The Loverbass H3 is the market's most advanced speaker in technology, acoustic loading, and components, delivering constant SPL across frequencies with superior throw to large line arrays. It features a 1.4-inch compression driver with 3.0-inch titanium diaphragm at 20,000 Gauss for unmatched transient response, mounted in a Loverbass-designed horn that controls top-end phase shift and maintains cylindrical output when coupling speakers. The midrange uses a 12-inch driver with 4.0-inch voice coil, offering the highest efficiency/power ratio; its wood pulp-coated cellulose cone controls resonances. Advanced CAD FEA simulations enabled a 230 Hz cutoff with short horn length, avoiding bell effects for high intelligibility. The bass employs a 15-inch transducer with 4.0-inch carbon fiber voice coil, paired with patented Bi-Horn loading for low, constant impedance, increased amplifier output, reduced compression, and powerful, defined sound. It includes 4,000W RMS Class D amplification (four 1,000W amps: HF, midrange, and dual LF) with 600 VA consumption. Ultra-low latency DSP with five limiters (peak, RMS, frequency-dependent RMS, clip, temperature) protects the speaker; AKM converters provide fast transients and high damping for superior quality. Equipped with tilt board for stacking, skateboard for handling, and 1,500 kg-certified overhead suspension for arrays.

ACCESSORIES

LoverBAG H3



Offers superior protection during transportation, reducing the risk of damage.

Skateboard H3



1- Dynamic load capacity 450 kg
2- Ultra resistant embossed paint finish

Single point



Breaking load
2250 daN

AUDIO

System type: 3-WAY HORN-LOADED LOUDSPEAKER
 Sound pressure¹: 146 dB peak SPL
 Frequency response²: 65 Hz - 19 kHz (-6 dB) Half Space
 Dispersion³ (H x V): 40° x 60° (-6dB)
 Power handling⁴: 1710 W aes / 6840 W Peak
 Sensitivity (2.83V/1m): LF: 103 dB - MF: 106 dB - HF: 112 dB

AMPLIFIER

Amplifier type: 3-channel Class-D amplifier (Powersoft®)
 Total power output: 4000 W rms (LF: 2000 W + MF: 1000 W + HF: 1000 W)
 DSP functions: limiter, EQ presets, Delay (4 presets on board)

TRANSDUCERS

LF driver: 15" neodymium cone driver with 4" voice coil
 MF driver: 12" neodymium cone driver with 4" voice coil
 HF driver: 1.4" neodymium compression driver, 3.0" titanium dome
 Crossover frequency: 260 Hz / 1.4 kHz (24 dB/oct.)

CONNECTIONS

Signal: XLR F/M Balanced
 Network: RJ-45
 Power Socket: Neutrik® PowerCON input/output

ENCLOSURE

Cabinet material: 18 mm birch plywood, textured paint finish, RAL 9005
 Dimensions: 1050 x 521 x 680 mm (H x W x D)
 Net weight: 65 kg / 143 lbs

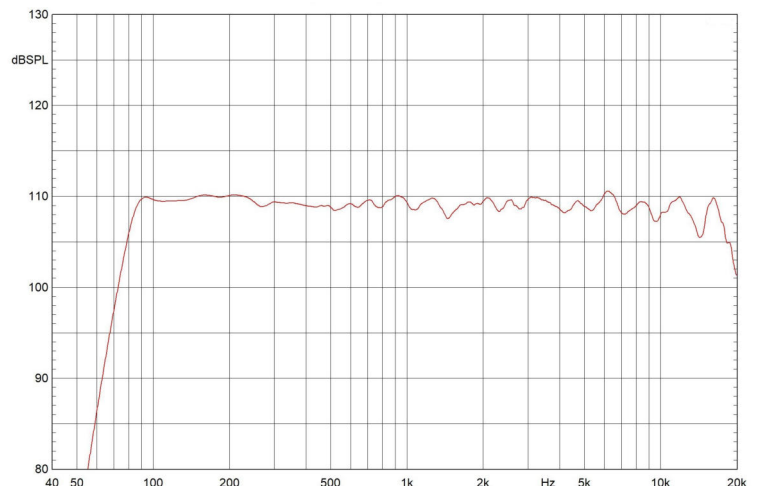
POWER REQUIREMENTS

Power supply: 100-240 VAC ±10%, 50-60 Hz (universal switching PSU)
 Power consumption⁵: 600 W

- 1 - Sound pressure: Peak SPL calculated by summing the acoustic intensity across the full spectrum.
 2 - Frequency response measured as the range within which the power-averaged SPL stays within the stated tolerance. Narrow-band clips are excluded.
 3 - Dispersion: defined by -6 dB points relative to the on-axis response.
 4 - Power handling: 2 hours test made with continuous pink noise signal within the range Fs -10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.
 5 - Power consumption: measured with filtered pink noise, 6 dB crest factor, into nominal load, according to AES2-2012 standard.



Frequency response on axis -20dBu at 1m



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