



MAIN FEATURES

- ULTRA COMPACT DIMENSIONS
- RANGE >55m
- CONSTANT FREQUENCY RESPONSE AT ANY VOLUME LEVEL
- HIGH SPL APPLICATIONS
- BEST COMPONENTS ON THE MARKET
- ARRANGED FOR HANGING IN ARRAY

DESCRIPTION

The Loverbass H2 is a compact, lightweight full-horn loudspeaker optimized for mid- and high-frequency reproduction, featuring a revised crossover in its flanged horn. It offers unmatched efficiency-to-power-handling ratio, excellent acoustics, and versatility.

Key components include a 1.4-inch compression driver with a 3-inch titanium diaphragm (20,000 Gauss gap, superior transient response) mounted in a custom horn for phase-shift-free coupling and cylindrical output. The midrange uses a 12-inch driver with a 4-inch voice coil and wood-pulp-coated cellulose cone for resonance control.

It delivers constant SPL across bandwidth with high projection, no beaming, and exceptional intelligibility. Built-in 2400W RMS Class D amplification (four amps) features ultra-low-latency DSP with five limiters for protection, AKM converters for precise transients, and high damping for accuracy.

Accessories include a tilt board for stacking, skate board for handling, and 1500 kg-certified overhead suspension for arrays.

ACCESSORIES

LoverBAG H2



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

Single point



Breaking load
2250 daN

AUDIO

System type: 2-WAY HORN-LOADED LOUDSPEAKER
 Sound pressure¹: 144 dB peak SPL
 Frequency response²: 80 Hz - 18 kHz kHz (-6 dB) Half Space
 Dispersion³ (H x V): 40° x 60° (-6dB)
 Power handling⁴: 710 W aes / 2840 W Peak
 Sensitivity (2.83V/1m): MF: 106 dB - HF: 112 dB

AMPLIFIER

Amplifier type: 2-channel Class-D amplifier (Powersoft®)
 Total power output: 2 x 1400 W rms
 DSP functions: limiter, EQ presets, Delay (4 presets on board)

TRANSDUCERS

LF driver: 12" neodymium cone driver with 4.0" voice coil
 HF driver: 1.4" neodymium compression driver, 3.0" titanium dome
 Crossover frequency: 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: 664 x 521 x 594 mm (H x W x D)
 Net weight: 38 kg / 83 lbs

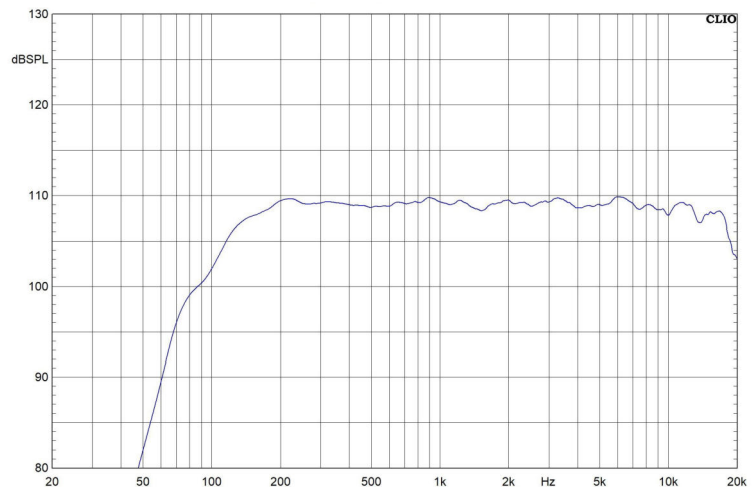
POWER REQUIREMENTS

Power supply: 100-240 VAC ±10%, 50-60 Hz (universal switching PSU)
 Power consumption⁵: 700 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 dips 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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