

HSA300

HIGH IMPEDANCE

High Impedance Mono Amplifier



PRODUCT OVERVIEW

HSA300 is a single channel amplifier with direct 100 V line (high impedance) output. It's equipped with Ecler's proprietary SPM 100 Technology - Channel N, which allows for 100 V speaker lines connection without using 100 V line transformers, as this kind of amplifiers usually do. This fact has many advantages, being the main one the excellent audio quality, specially improved in the low-end frequencies when compared to classical 100V line amplifiers.

KEY FEATURES

- 1 mono balanced input
- 1 x 300 WRMS output (100V line level)
- Euroblock connectors
- SPM 100 amplification Technology - Channel N (no 100V output transformers used):
- Improved frequency response (specially at the low-end)
- Great efficiency
- Low weight
- Butterworth, 3rd order high pass filter @ 70Hz
- Thermal protection
- Overload protection
- Anti-clip system
- Volume control knobs on front panel with protection cap, against undesired manipulation

APPLICATIONS

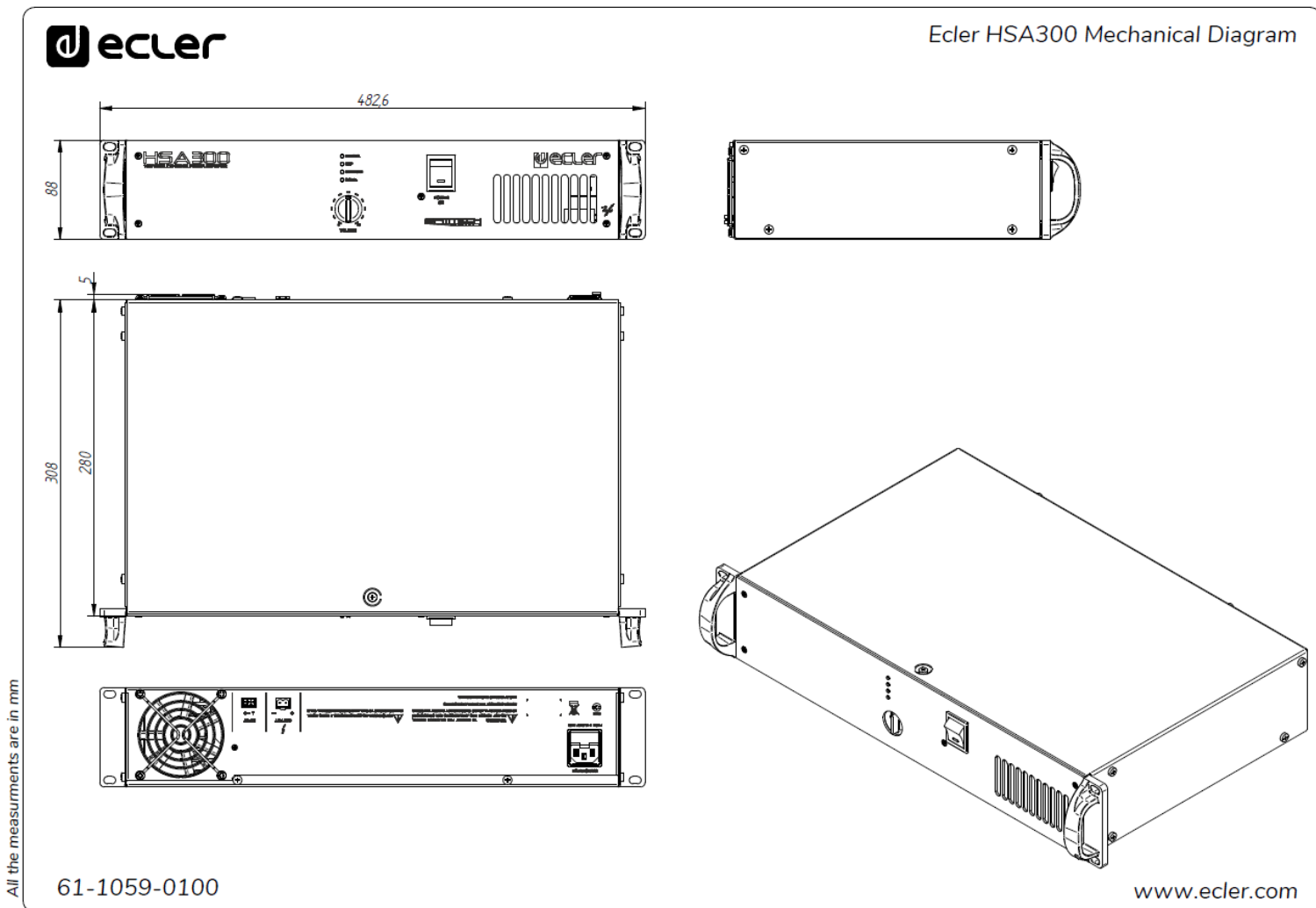
- Single or multi-zone BGM and paging systems with 100V line speakers, combined with the DAM, MIMO and SAM / eSAM series preamplifiers / processors

TECHNICAL SPECIFICATIONS

HSA300

Power Output	
RMS Power @ 10% THD	302 WRMS @ 100V line
RMS Power @ 1% THD	254 WRMS @ 100V line
Frequency response (-1dB, -3dB)	30Hz - 35kHz
Filter (High-Pass) 3rd order Butterworth	70Hz
THD+Noise @ 1kHz Full Power	<0.07%
SNR	>85dB
Damping factor 1kHz @ 8Ω	N/A
Input sensitivity / Impedance	0dBV/>20k
Anticlip @ 2ddBV input	N/A
Mains voltage	115V/230V. Voltage changed internally (NOT BY SWITCH)
Power consumption	
pink noise, 1/8 power	218VA @ 32Ω
pink noise, 1/3 power	319VA @ 32Ω
Physical	
Dimensions (WxHxD)	482.6 x 88 x 285 mm / 3.46 x 19 x 11.22 in
Weight	8.4 kg / 18.51 lb
Shipping Dimensions (WxHxD)	500 x 120 x 550 mm / 19.69 x 4.73 x 21.66 in.
Shipping Weight	10.4 kg / 22.93 lb

MECHANICAL DIAGRAM



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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