

HSA2-400ES

HIGH IMPEDANCE (70/100V)

High Impedance Stereo Amplifier - Energy Star Certified



PRODUCT OVERVIEW

The HSA2-400ES is a stereo amplifier with low and high impedance powered outputs. A very high efficiency and its auto stand-by function provide this amplifier with a true green profile (Energy Star Certified). Supports low impedance loudspeaker loads down to 2,66 ohm.

KEY FEATURES

- 2 mono balanced inputs (XLR and Euroblock terminals)
- 2 x 400 W RMS output (4Ω and 70/ 100V line level)
- Euroblock output connectors
- 2 REMOTE volume ports (0-10VDC), compatible with Wpm series wall panels
- High efficiency, auto stand-by function and convection cooling (fanless, 100% silent)
- Butterworth, 3rd order high pass filter @ 50Hz
- Thermal protection
- Overload protection
- Anti-clip system
- Volume control knobs on front panel with protection cap, against undesired manipulation

APPLICATIONS

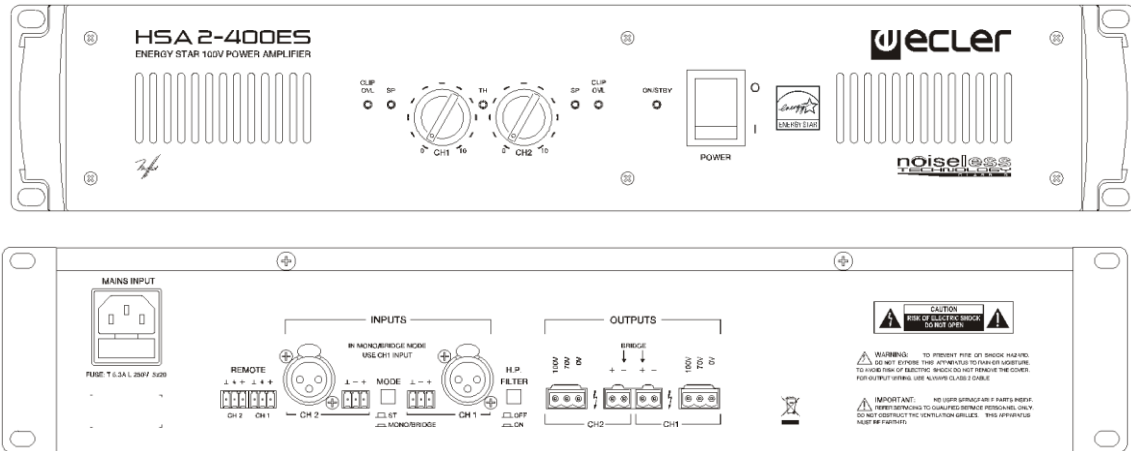
- Single or multi-zone BGM and paging systems with 100V line speakers, combined with the DAM, MIMO and SAM / eSAM series preamplifiers / processors

CERTIFICATIONS

- EN60065:2014
- EN55103-1:2009
- EN55103-2:2009
- 2006/95/EC
- 2004/108/CE
- Energy Star



MECHANICAL DIAGRAMS



TECHNICAL DATA

Power Output @ 1kHz 1% THD	100V output:
1 Channel @ 25Ω	410 WRMS
All Channels @ 25Ω	332WRMS
	Low Z output:
1 Channel @ 4Ω	390WRMS
1 Channel @ 8Ω	225WRMS
All Channels @ 4Ω	322WRMS
1 Channel @ 2.66 Ω	506WRMS
Frequency Response (-1dB, -3dB)	20Hz – 30kHz
Filter (High-Pass) 3rd order Butterworth	50Hz
THD+Noise @ 1 kHz Full Pwr.	<0.05%
Intermodulation Distortion 50Hz & 7kHz, 4:1	<0.06%
TIM 100	<0.04%
S+N/N 20Hz – 20kHz @ 1W/4Ω	>85dB
CMRR	>55dB
Damping Factor 1kHz @ 8Ω	>360
Channel Crosstalk @ 1 kHz	>55dB
Input Sensitivity/Impedance	0dBV/>20kΩ
Anticlip @ 2dBV input	<5% THD
Mains Voltage	See characteristics in the back of the unit
Power Consumption	
Pink Noise, 1/8 power @ 4Ω	129W/196VA
Pink Noise, 1/3 power @ 4Ω	308W
Idle	26W
STBY	0.4W
Efficiency (typical)	85%
STBY Time	≤120s
Dimensions (Handle excluded)	482.6x88x373mm
Weight	16.4kg

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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