

# CAAS Audio Elysian Stereo 100 Specification

All specifications are subject to change at any time.

## Stereo Amplifier:

Gain (Stereo)	25.5dB (into 8ohms)
Gain (Mono-block)	31.5dB (into 8ohms)
Frequency Response:	0.8Hz to >300kHz (-3dB) DC Coupled 10Hz to 50kHz (-0.1dB)
Maximum Input	10V peak
Maximum Output	42V peak (Stereo per channel) 80V peak (Bridged Mono-block)
Rated Output (Stereo)	100W into 8ohms (1 <sup>st</sup> 5W Class A)
Rated Output (Stereo)	200W into 4ohms
Rated Output (Mono)	350W into 8ohms (1 <sup>st</sup> 5W Class A)
Peak Output Current	>50A (10ms cycle every 200ms)
Input Impedance (Stereo)	33kohms (single ended RCA) 66kohms (balanced XLR)
Input Impedance (Mono):	16kohms (single ended RCA) 33kohms (balanced XLR)
Output Impedance (Stereo)	0.1ohm
Output Impedance (Mono)	0.2ohm
Input Sensitivity (Stereo)	1.6V RMS (for 100W output into 8ohms)
Input Sensitivity (Mono)	1.5V RMS (for 350W output into 8ohms)
Speaker Impedance	Any (output power will vary)
Total Harmonic Distortion	<1% @1kHz (100W into 8ohms) <1% @1kHz (200W into 4ohms) <0.01% @1kHz (1W, 0dBW into 8ohms)
Transient Intermodulation	Too low to measure
Output SNR (A-WTD)	Better than 90dB (0dBW output, input grounded)
Slew rate	100V/us (No input filter, max output)
Output DC Offset	<10mV
Power Consumption	100W (Idle), 600W (max) <0.5W trigger high (amp power down mode)
Fuse Rating	T3.15A, 250V (slow blow)
Operating Temperature	45 degrees C to 55 degrees C 25 to 35 degrees C above ambient.
Thermal Cut-off Protection	70 degrees C (Reset at 55 degrees C)
Input Connectors	2 x Unbalanced gold plated RCA 2 x Balanced silver plated XLR
Output Terminals	4 x High current gold plated
CAAS Link Trigger	12V DC to turn off (0V for on)
Mains Transformers	1 x 500VA (toroidal) & 1 x 50VA (toroidal)
Dimensions	260mm (W), 340mm (D), 140mm (H)
Weight	15kg

CAAS Audio Ltd.  
July 2020