

*Music is the space between the notes.*

Claude Debussy



## **SAE 2HP Carbon Edition**

Power so prodigious that we can measure it in horsepower! The revolutionary SAE 2HP amplifier is capable of over 746 watts or 1 horsepower per fully differential "push / pull" channel @ 1kHz in it's 5RU chassis (rack-mounted or free standing).

The world-renowned engineers at SAE achieved an industry leading >128dB of signal to noise ratio because at SAE we want you to hear your recordings...not the amplifier.

The pure balanced, Class A/B SAE 2HP amplifier masterpiece is designed, engineered, and manufactured in America.

Audition the astonishing SAE 2HP ... the new ultra-high performance, exceptionally clean 2 channel audiophile power amplifier at your nearest SAE dealer and experience the silence between the notes.



[www.hear-sae.com](http://www.hear-sae.com)

# Specifications

**Analog Audio Inputs** One Balanced (XLR) jack per channel

**Input Impedance** 47 kOhms. Balanced for each phase

**Input Sensitivity** 2.82V RMS input for 600W into 8 ohms

**Gain** 27.8 dB

**Polarity** Balanced; Pin-2 = Positive, Pin-3 = Negative for Non-Inverting Output

**Speaker Outputs** WBT Low-Mass Binding posts 4 per channel; One 4-Pole Speakon connector per channel

**Modes /Process** Standby: Amplifier is ready to be turned on via front panel switch or remote trigger.

Overcurrent, D.C., and/or thermal protection: Amplifier will cycle.

Catastrophic D.C. or output stage failure: Amplifier will shut down.

## Power Output

Per Channel, All Channels Driven 8 ohms 4 ohms 2 ohms

20 Hz-20 kHz, < 0.01% THD 600 WRMS 1200 WRMS 1200 WRMS

1 kHz, 0.01% THD, (Watts) 746 WRMS 1350 WRMS 1350 WRMS

1 kHz, 0.01% THD, (HP) 1 HP 1 ¾ HP 1 ¾ HP

1 kHz, 1% THD 860 WRMS 1400 WRMS 2000 WRMS

CEA 2006 1 kHz Burst Power 1100 WRMS 2000 WRMS 3400 WRMS

## Distortion

THD + N, 20 Hz—20 kHz 0.01% 0.01% 0.01%

THD + N at 1 kHz

At Rated Power 0.005% 0.006% 0.008%

At 10W 0.0015% 0.003% 0.003%

## Intermodulation Distortion

(SMPTE or Twin-tone) Less than 0.01%

**Frequency Response** +0, -3dB, 5 Hz to 150 kHz, 8 Ω

**Damping factor** >600 at 100 Hz;

**Signal to noise ratio** 128 dB referenced to rated output (A-Weighted)

**Slew rate** >60V per microsecond

**Crosstalk** > 110 dB

**Power Requirements** 117V AC; 230V; 50/60 Hz

**Power Consumption** Less than 1W x 2 at Standby; 1800W maximum x 2

**Trigger Input** 3-24 VDC; Steady State

## Dimensions

**(W x H x D)** 19" x 8¾" x 20" add 1" for feet and 1½" for connectors; 483 mm x 222mm x 508 mm

Add 25.4mm for feet and 38mm for connectors.

**Weight** 98.5 lbs.; 44.8 kG