

Specifications

Power Output - Both channels driven (0.05% THD, 20Hz - 20kHz)

160 watts x 2 @ 8Ω RMS

240 watts x 2 @ 4Ω RMS

Power Output - Both channels driven (0.9% THD, 20Hz - 20kHz)

180 watts x 2 @ 8Ω RMS

270 watts x 2 @ 4Ω RMS

Current Capacity

45 amps peak per channel

Frequency Response

10 Hz - 100kHz, +0/-3 dB

20Hz - 20kHz, +0/-0.5 dB

Total Harmonic Distortion (THD)

< 0.01 %, average listening levels

< 0.05 %, 160 watts x 2 @ 8Ω

Interchannel Crosstalk

> 70dB at 20kHz

> 78dB at 1kHz

Signal to Noise Ratio - IHF A-weighted

Line in: - 103 dB (input shorted)

Digital in: - 106 dB

Amplifier Damping Factor

> 800 at 20Hz

Preamplifier Stage Input Sensitivity

300mV in for 1V at Preamp Output jacks

Total Preamp Stage Gain: 10dB

Max Output Unbalanced: 7V

Max Output Balanced: 9V

Power Amplifier Stage Sensitivity

1V at Bypass/Amp In for 28V at Speaker Out

Total Amp Stage Gain: 28dB

Phono Stage Sensitivity / Input Impedance

MM: 41dB / 47kΩ

MC: 54dB / 47kΩ or 100Ω

High & Low Pass Crossover Slope

12 dB per octave

Supported DAC Sampling Rates

USB: up to 384kHz / 32-bit PCM

DSD Native: DSD 64, DSD 128, DSD 256

DSD over PCM (DoP) at 384 kHz

Coax/Optical: up to 192 kHz / 24-bit PCM

Digital to Analog Converter

ESS Sabre³² Reference ES9018K2M

384kHz / 32-bit

USB 2.0 Controller

Savitech SA9227, 384 kHz / 32-bit

Headphone Amplifier

Texas Instruments TPA6120A

Output Impedance 10 ohms

XLR Pin Identification

1 = Ground (Shield)

2 = Positive

3 = Negative (Return)

Input Impedance

Unbalanced: 24 kΩ

Balanced: 100k Ω per leg

Preamplifier Output Impedance

Unbalanced: 100Ω

Balanced: 470Ω per leg

Dimensions

Width: 17-¹/₄" (437mm)

Depth: 16-¹/₄" (413mm)

Depth, with cables 17-¹/₄" (437mm)

Height, with feet: 5-⁷/₈" (150mm)

Height, without feet: 5-¹/₄" (133mm), 3U

Net Weight

33 lb. (15 kg)

Shipping Weight

45 lb. (20.4 kg)

Power Requirement

Standby: 0.5 watts

Idling power: 70 watts

Maximum: 750 watts

110-125 VAC 60Hz or 220-250 VAC 50Hz

AC mains voltage is set on rear panel

Specifications and features subject to change or improvement without notice.
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