

HP10

Stereo Phono Amplifier



HP10 is a high performance stereo phono amplifier employing low noise solid-state semiconductor devices for signal amplification and a tube amplifier for output buffer. HP10 offers exceptional performance in terms of transparency, dynamic and extraordinary imaging capability at its price range.

The MC and MM input signals are handled by separate MC and MM phono amplifiers. They are independent amplifiers that have no common parts sharing between them. Therefore, this will ensure shortest signal path and no switch is used at the low level input signal.

Since MC and MM phono amplifiers are independent, each amplifier contains its own RIAA equalizer. We have chosen passive RIAA equalizer for HP10 because the elements of the equalizer have less coloration to the sound compared with active feedback RIAA equalizer.

A 6H30 tube buffer amplifier is used at the output. The 6H30 has very wide bandwidth, low distortion and low output impedance. It greatly enhances the sound of HP10 phono amplifier.

"A high performance stereo phono amplifier employing low noise solid-state semiconductor amplifiers and tube buffer amplifier."

Independent amplifier for MM and MC signal amplification

Passive RIAA equalization with deviation less than 0.3dB

Five matching impedances for MC cartridges and five matching impedances for MM cartridges

Three amplification gains for MC cartridges and three amplification gains for MM cartridges

Five low noise precision DC regulated power supplies



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PRODUCT DESIGN

A stereo MM/MC phono amplifier with passive RIAA equalizer employing low noise semiconductors for signal amplification and a 6H30 tube output buffer amplifier.

INPUT

One set for MM and one set for MC

OUTPUT

One set of unbalanced and one set of balanced output

MM GAIN

35, 40, 45dB for unbalanced output and additional 6dB for balanced output

MM INPUT IMPEDANCE

1k, 22k, 47k, 68k, 100k Ohm

MC GAIN

60, 65, 70dB for unbalanced output and additional 6dB for balanced output

MC INPUT IMPEDANCE

10, 33, 100, 250, 500 Ohm

RIAA DEVIATION

20 – 20,000Hz, ± 0.3 dB (for MM and MC)

SUBSONIC FILTER

-12dB/octave, 20Hz

DISTORTION

0.05%

OUTPUT IMPEDANCE

300 Ohm for unbalanced output
600 Ohm for balanced output

MINIMUM LOAD IMPEDANCE

10k Ohm

SIGNAL TO NOISE

70dB for MC, 85dB for MM

POWER CONSUMPTION

40W

DIMENSION

143 x 450 x 392mm (H x W x L)

NET WEIGHT

11.6kg /25.6 pounds

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(Specifications subject to change without prior notice.)



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